

Autores: Sarah J Trenfield, Atheer Awad, Christine M Madla, Grace B Hatton, Jack Firth, Alvaro Goyanes, Simon Gaisford & Abdul W Basit

Título: Shaping the future: recent advances of 3D printing in drug delivery and healthcare.

REF: Expert Opinion on Drug Delivery, 16, 1081-1094, (2019).

Editor/es:

ISBN:

Autores: Carmen Alvarez-Lorenzo and Angel Concheiro.

Título: Smart Drug Release from Medical Devices.

REF: The journal of pharmacology and experimental therapeutics, 370, 544-554, (2019).

Editor/es:

ISBN:

Autores: Fernando Alvarez-Rivera, Ana Paula Serro, Diana Silva, Angel Concheiro, Carmen Alvarez-Lorenzo.

Título: Hydrogels for diabetic eyes: Naltrexone loading, release profiles and cornea penetration.

REF: Materials Science and Engineering, 105, 110092-110101, (2019).

Editor/es:

ISBN:

Autores: Mathie Najberg, Muhammad Haji Mansor, Frank Boury, Carmen Alvarez-Lorenzo and Emmanuel Garcion.

Título: Reversing the Tumor Target: Establishment of a Tumor Trap.

REF: Frontiers in Pharmacology, 10, 887, (2019).

Editor/es:

ISBN:

Autores: Valerij Y. Grinberg, Tatiana V. Burova, Natalia V. Grinberg, Carmen Alvarez-Lorenzo, Alexei R. Khokhlov.

Título: Protein-like energetics of conformational transitions in a polyampholyte hydrogel.

REF: Polymer, 179, 121617-121628, (2019).

Editor/es:

ISBN:

Autores: Esmaeil Nezami-Alanagh, Ghasem-AliGarooosi , Mariana Landín & Pedro Pablo Gallego.

Título: Computer-based tools provide new insight into the key factors that cause physiological disorders of pistachio rootstocks cultured in vitro.

REF: Scientific Reports, 9, 9740-9755, (2019).

Editor/es:

ISBN:

Autores: Alonso-Hearn M, Magombedze G, Abendaño N, Landin M, Juste RA.

Título: Deciphering the virulence of Mycobacterium avium subsp. paratuberculosis isolates in animal macrophages using mathematical models.

REF: Journal of Theoretical Biology, 468, 82–91, (2019).

Editor/es:

ISBN:

Autores: Marcilio Cunha-Filho, Maíra T.Teixeira, Víctor Santos-Rosales, Livia L.Sa-Barreto, Ricardo N.Marreto, Manuel Martin-Pastor, Carlos A.García-González, Mariana Landin.

Título: The subdivision behavior of polymeric tablets.

REF: International Journal of Pharmaceutics, 568, 118554-118563, (2019).

Editor/es:

ISBN:

Autores: Alvaro Goyanes, Christine M. Madla, Aysha Umerji, Goretti Duran Piñeiro, Jose Maria Giraldez Montero, María Jesús Lamas Diaz, Miguel Gonzalez Barcia, Farhan Taherali, Paula Sánchez-Pintos, Maria-Luz Couce, Simon Gaisford, Abdul W. Basit.

Título: Automated therapy preparation of isoleucine formulations using 3D printing for the treatment of MSUD: First single-centre, prospective, crossover study in patients.

REF: International Journal of Pharmaceutics 567, 118497-118505, (2019).

Editor/es:

ISBN:

Autores: Alvaro Goyanes, Nour Allahham, Sarah J. Trenfield, Edmont Stoyanov, Simon Gaisford, Abdul W. Basit.

Título: Direct powder extrusion 3D printing: Fabrication of drug products using a novel single-step process.

REF: International Journal of Pharmaceutics 567, 118471-118478, (2019).

Editor/es:

ISBN:

Autores: Akel F. Kanaan, Madalina M. Barsan, Christopher M. A. Brett, Carmen Alvarez-Lorenzo, Angel Concheiro, Hermínio C. de Sousa, and Ana M.A. Dias.

Título: Sustainable Electro-Responsive Semi-Interpenetrating Starch/Ionic Liquid Copolymer Networks for the Controlled Sorption/Release of Biomolecules.

REF: ACS Sustainable Chem. Eng, 7, 10516-10532, (2109).

Editor/es:

ISBN:

Autores: Jaime Conceição, Xián Farto-Vaamonde, Alvaro Goyanes, Oluwatomide Adeoye, Angel Concheiro, Helena Cabral-Marques, José Manuel Sousa Lobo, Carmen Alvarez-Lorenzo.

Título: Hydroxypropyl- β -cyclodextrin-based fast dissolving carbamazepine printlets prepared by semisolid extrusion 3D printing.

REF: Carbohydrate Polymers, 221, 55–62, (2019).

Editor/es:

ISBN:

Autores: Pamela Robles-Martínez, Xiaoyan Xu, Sarah J. Trenfield, Atheer Awad, Alvaro Goyanes, Richard Telford, Abdul W. Basit, and Simon Gaisford.

Título: 3D Printing of a Multi-Layered Polypill Containing Six Drugs Using a Novel Stereolithographic Method.

REF: Pharmaceutics, 11 (6), 274-290, (2019).

Editor/es:

ISBN:

Autores: R. Rodríguez-Dorado, C. López-Iglesias, G. Auriemma, R.P. Aquino, C.A. García-González, P. del Gaudio.

Título: Design of aerogels, cryogels and xerogels of alginate: Effect of molecular weight, gelation conditions and drying method on particles micromeritics.

REF: Molecules, 24 (6), 1049-1061, (2019).

Editor/es:

ISBN:

Autores: C.A. García-González, T. Budtova, L. Durães, C. Erkey, P. Del Gaudio, P. Gurikov, M. Koebel, F. Liebner, M. Neagu, I. Smirnova.

Título: An opinion paper on aerogels for biomedical and environmental applications.

REF: Molecules, 24 (9), 1815-1830, (2019).

Editor/es:

ISBN:

Autores: Virna Margarita Martín Giménez, Patricia Díaz-Rodríguez, Raúl Lelio Sanz, María Vivero-Lopez, Angel Concheiro, Emiliano Diez, Natalia Prado, Diego Enrique Kassuha, Carmen Alvarez-Lorenzo, Walter Manucha.

Título: Anandamide-nanoformulation obtained by electrospraying for cardiovascular therapy.

REF: International Journal of Pharmaceutics, 566, 1–10, (2019).

Editor/es:

ISBN:

Autores: Ana M. Ares, Raquel Muiño, Alejandro Costoya, Rosa A. Lorenzo, Angel Concheiro, Antonia M. Carro, Carmen Alvarez-Lorenzo.

Título: Cyclodextrin-functionalized cellulose filter paper for selective capture of diclofenac.

REF: Carbohydrate Polymers, 220, 43–52, (2019).

Editor/es:

ISBN:

Autores: Xián Farto-Vaamonde, Giulia Auriemma, Rita Patrizia Aquino, Angel Concheiro, Carmen Alvarez-Lorenzo.

Título: Post-manufacture loading of filaments and 3D printed PLA scaffolds with prednisolone and dexamethasone for tissue regeneration applications.

REF: European Journal of Pharmaceutics and Biopharmaceutics, 141, 100–110, (2019).

Editor/es:

ISBN:

Autores: Nilza Ribeiro, Gonçalo C. Soares, Víctor Santos-Rosales, Angel Concheiro, Carmen Alvarez-Lorenzo, Carlos A. García-González, Ana L. Oliveira.

Título: A new era for sterilization based on supercritical CO₂ technology.

REF: J Biomed Mater Res, 1–30, (2019).

Editor/es:

ISBN:

Autores: Blanca Lorenzo-Veiga, Hakon Hrafn Sigurdsson, Thorsteinn Loftsson and Carmen Alvarez-Lorenzo.

Título: Cyclodextrin–Amphiphilic Copolymer Supramolecular Assemblies for the Ocular Delivery of Natamycin.

REF: Nanomaterials, 9 (5), 745, (2019).

Editor/es:

ISBN:

Autores: Maria Aurora Grimaudo, Silvia Pescina, Cristina Padula, Patrizia Santi, Angel Concheiro, Carmen Alvarez-Lorenzo, Sara Nicoli.

Título: Topical application of polymeric nanomicelles in ophthalmology: a review on research efforts for the noninvasive delivery of ocular therapeutics.

REF: Expert Opinon on Drug Delivery, 4 (16), 397-413, (2019).

Editor/es:

ISBN:

Autores: Alonso-Hearn, Gesham Magombedze, Naihara Abendaño, Mariana Landin, Ramón A. Juste.

Título: Deciphering the virulence of Mycobacterium avium subsp. paratuberculosis isolates in animal macrophages using mathematical models.

REF: Journal of Theoretical Biology, 468, 82-91, (2019).

Editor/es:

ISBN:

Autores: Atheer Awad, Fabrizio Fina, Sarah J. Trenfield, Pavanesh Patel, Alvaro Goyanes, Simon Gaisford and Abdul W. Basit.

Título: 3D Printed Pellets (Miniprintlets): A Novel, Multi-Drug, Controlled Release Platform Technology.

REF: Pharmaceutics, 11, 148-165, (2019).

Editor/es:

ISBN:

Autores: . Vargas-Osorio, A. Luzardo-Alvarez, Y. Piñeiro, C. Vazquez-Vazquez, J. L. Gomez-Amoza, J. Blanco-Mendez, F. J. Otero Espinar, J. Rivas.

Título: Three-Dimensional Hybrid Mesoporous Scaffolds for Simvastatin Sustained Delivery with in Vitro Cell Compatibility.

REF: ACS Omega 2019, 4, 5496?5508, (2019).

Editor/es:

ISBN:

Autores: Víctor Santos-Rosales, Inés Ardao, Carmen Alvarez-Lorenzo, Nilza Ribeiro, Ana L. Oliveira and Carlos A. García-González.

Título: Sterile and Dual-Porous Aerogels Scaffolds Obtained through a Multistep Supercritical CO₂-Based Approach.

REF: Molecules, 24, 871-888, (2019).

Editor/es:

ISBN:

Autores: Leticia Goimil, Víctor Santos-Rosales, Araceli Delgado, Carmen Évora, Ricardo Reyes, Antonio A. Lozano-Pérez, Salvador D. Aznar-Cervantes, Jose Luis Cenis, Jose Luis Gómez-Amoza, Angel Concheiro, Carmen Alvarez-Lorenzo, Carlos A. García-González.

Título: scCO₂-foamed silk fibroin aerogel/poly(?-caprolactone) scaffolds containing dexamethasone for bone regeneration.

REF: Journal of CO₂ Utilization, 31, 51-64, (2019).

Editor/es:

ISBN:

Autores: Sonia Cabana-Montenegro, Silvia Barbosa, Pablo Taboada, Angel Concheiro and Carmen Alvarez-Lorenzo.

Título: Syringeable Self-Organizing Gels that Trigger Gold Nanoparticle Formation for Localized Thermal Ablation.

REF: Pharmaceutics 11, 52-66, (2019).

Editor/es:

ISBN:

Autores: Geovanni González-Hernández, Victor H. Pino-Ramosa, Luisa Islas, Carmen Alvarez-Lorenzo, Angel

Concheiro, Emilio Bucio.

Título: Radiation-grafting of N-vinylcaprolactam and 2-hydroxyethyl methacrylate onto polypropylene films to obtain a thermo-responsive drug delivery system.

REF: Radiation Physics and Chemistry 157, 6–14, (2019).

Editor/es:

ISBN:

Autores: Felipe López-Saucedo, Guadalupe G. Flores-Rojas, Beatriz Magariños, Angel Concheiro, Carmen Alvarez-Lorenzo, Emilio Bucio.

Título: Radiation grafting of poly(methyl methacrylate) and poly(vinylimidazole) onto polytetrafluoroethylene films and silver immobilization for antimicrobial performance.

REF: Applied Surface Science 473, 951–959, (2019).

Editor/es:

ISBN:

Autores: Carmen Alvarez-Lorenzo, Soledad Anguiano-Igea, Angela Varela-García, María Vivero-Lopez, Angel Concheiro.

Título: Bioinspired hydrogels for drug-eluting contact lenses.

REF: Acta Biomaterialia 84, 49–62, (2019).

Editor/es:

ISBN:

Autores: Alejandro Costoya, Luis E. Velázquez Becerra, H. Iván Meléndez-Ortiz, Luis Díaz-Gómez, Celia Mayer, Ana Otero, Angel Concheiro, Emilio Bucio, Carmen Alvarez-Lorenzo.

Título: Immobilization of antimicrobial and anti-quorum sensing enzymes onto GMA-grafted poly(vinyl chloride) catheters.

REF: International Journal of Pharmaceutics 558, 72–81, (2019).

Editor/es:

ISBN:

Autores: C. López-Iglesias, J. Barros, F.J. Monteiro, C. Alvarez-Lorenzo, J.L. Gómez-Amoza, C.A. García-González.

Título: Vancomycin-loaded chitosan aerogel particles for chronic wound healing.

REF: Carbohydrate Polymers, 204, 223-231, (2019).

Editor/es:

ISBN:

Autores: C. López-Iglesias, A. Casielles, A. Altay, R. Bettini, C. Alvarez-Lorenzo, C.A. García-González.

Título: From the printer to the lungs: Inkjet-printed aerogel particles for pulmonary delivery.

REF: Chemical Engineering Journal, 357, 559-566, (2019).

Editor/es:

ISBN:

Autores: Angela Varela-Garcia, Angel Concheiro, Carmen Alvarez-Lorenzo.

Título: Soluplus micelles for acyclovir ocular delivery: Formulation and cornea and sclera permeability.

REF: International Journal of Pharmaceutics 552, 39–47, (2018).

Editor/es:

ISBN:

Autores: Elena Cutrín-Gómez, Soledad Anguiano-Igea, M. Begoña Delgado-Charro, José Luis Gómez-Amoza and Francisco J. Otero-Espinar.

Título: Effect of Penetration Enhancers on Drug Nail Permeability from Cyclodextrin/Poloxamer-Soluble Polypseudorotaxane-Based Nail Lacquers.

REF: Pharmaceutics, 10, 1-18, (2018).

Editor/es:

ISBN:

Autores: Magalhães M, Alvarez-Lorenzo C, Concheiro A, Figueiras A, Santos AC, Veiga F.

Título: RNAi-based therapeutics for lung cancer: biomarkers, microRNAs, and nanocarriers.

REF: Expert Opinion on Drug Delivery, 15, 965-982, (2018).

Editor/es:

ISBN:

Autores: Mariana Landín.

Título: Gep models for scaling up wet granulation processes in planetary mixers.

REF: Pharma Focus Asia Issue, 32, 24-28, (2018).

Editor/es:

ISBN:

Autores: Esmail Nezami-Alanagh, Ghasem-Ali Garoosi, Mariana Landín and Pedro Pablo Gallego.

Título: Combining DOE With Neurofuzzy Logic for Healthy Mineral Nutrition of Pistachio Rootstocks in vitro Culture.

REF: Frontiers in Plant Science, 9, 1474, (2018).

Editor/es:

ISBN:

Autores: P. Diaz-Rodrigueza, P. Garcia-Triñanes, M.M. Echezarreta López, A. Santoveña, M. Landin.

Título: Mineralized alginate hydrogels using marine carbonates for bone tissue engineering applications.

REF: Carbohydrate Polymers, 195, 235–242, (2018).

Editor/es:

ISBN:

Autores: C.A. García-González, C. López-Iglesias, A. Concheiro, C. Alvarez-Lorenzo.

Título: Biomedical Applications of Polysaccharide and Protein Based Aerogels.

Libro: Biobased Aerogels – Polysaccharide and Protein-based Materials, Green Chemistry.

Editor/es: Sabu Thomas, Laly A Pothan, Rubie Mavelil-Sam.

Pags.: 295-323

Ed.: Royal Society of Chemistry.

ISBN: 978-1-78262-765-4

Autores: Elena Cutrín-Gómez, Soledad Anguiano-Igea, M. Begoña Delgado-Charro, José Luis Gómez-Amoza and Francisco J. Otero-Espinar.

Título: Effect on Nail Structure and Transungual Permeability of the Ethanol and Poloxamer Ratio from Cyclodextrin-Soluble Polypseudorotaxanes Based Nail Lacquer.

REF: Pharmaceutics, 156, 10 (3), (2018).

Editor/es:

ISBN:

Autores: Stephânia Fleury Taveira, Angela Varela-Garcia, Bruno dos Santos Souza, Ricardo Neves Marreto, Manuel Martin-Pastor, Angel Concheiro, Carmen Alvarez-Lorenzo.

Título: Cyclodextrin-based poly(pseudo)rotaxanes for transdermal delivery of carvedilol

REF: Carbohydrate Polymers, 200, 278–288, (2018).

Editor/es:

ISBN:

Autores: Ana Espinosa, Alberto Curcio, Sonia Cabana, Guillaume Radtke, Matthieu Bugnet, Jelena Kolosnjaj-Tabi, Christine Pechoux, Carmen Alvarez-Lorenzo, Gianluigi A. Botton, Amanda K. A. Silva, Ali Abou-Hassan, and Claire Wilhelm.

Título: Intracellular Biodegradation of Ag Nanoparticles, Storage in Ferritin, and Protection by a Au Shell for Enhanced Photothermal Therapy.

REF: ACS Nano, 12, 6523?6535, (2018).

Editor/es:

ISBN:

Autores: L. Diaz-Gomez, A. Concheiro, C. Alvarez-Lorenzo.

Título: Functionalization of titanium implants with phase-transited lysozyme for gentle immobilization of antimicrobial lysozyme.

REF: Applied Surface Science 452, 32-42, (2018).

Editor/es:

ISBN:

Autores: M. Curcio, L. Mauro, G. Naimo, D. Amantea, G. Cirillo, L. Tavano, I. Casaburi, F. Pasquale Nicoletta, C. Alvarez-Lorenzo, F. Iemma.

Título: Facile synthesis of pH-responsive polymersomes based on lipidized PEG for intracellular co-delivery of curcumin and methotrexate.

REF: Colloids and Surfaces B: Biointerfaces 167, 568-576, (2018).

Editor/es:

ISBN:

Autores: E. Cutrín Gómez, S. Anguiano Igea, M.B Delgado-Charro, J.L Gómez Amoza, F.J. Otero Espinar.

Título: Microstructural alterations in the onychomycotic and psoriatic nail: Relevance in drug delivery.

REF: European Journal of Pharmaceutics and Biopharmaceutics 128, 48-56, (2018).

Editor/es:

ISBN:

Autores: I. Lodoso-Torrecilla, N.A.P. van Gestel, L. Diaz-Gomez, E. Grosfeld, K. Laperre, J.G.C. Wolke, B.T. Smith, J.J. Arts, A.G. Mikos, J.A. Jansen, S. Hofmann, J.J.P. van den Beucken.

Título: Multimodal pore formation in calcium phosphate cements.

REF: Journal of Biomedical Materials Research. 106A, 500-509, (2018).

Editor/es:

ISBN:

Autores: F. Acevedo, J. Hermosilla, C. Sanhuez, B. Mora-Lagos, I. Fuentes, M. Rubilar, A. Concheiro, C. Alvarez-Lorenzo.

Título: Gallic acid loaded PEO-core/zein-shell nanofibers for chemopreventive action on gallbladder cancer cells.

REF: European Journal of Pharmaceutical Sciences 119, 49-61, (2018).

Editor/es:

ISBN:

Autores: V.H. Pino-Ramos, G.G. Flores-Rojas, C. Alvarez-Lorenzo, A. Concheiro, E. Bucio.

Título: Graft copolymerization by ionization radiation, characterization, and enzymatic activity of temperature-responsive SR-g-PNVCL loaded with lysozyme.

REF: Reactive and Functional Polymers, 126, 74-82, (2018).

Editor/es:

ISBN:

Autores: F. López-Saucedo, G.G. Flores-Rojas, J. López-Saucedo, B. Magariños, C. Alvarez-Lorenzo, A. Concheiro, E. Bucio.

Título: Antimicrobial silver-loaded polypropylene sutures modified by radiationgrafting.

REF: European Polymer Journal 100, 290-297, (2018).

Editor/es:

ISBN:

Autores: E. Cutrín Gómez, S. Anguiano Igea, J.L Gómez Amoza, F. J. Otero Espinar.

Título: Evaluation of the promoting effect of soluble cyclodextrins in drug nail penetration.

REF: European Journal of Pharmaceutical Sciences 117, 270–278, (2018).

Editor/es:

ISBN:

Autores: R. Zamora-Sequeira, I. Ardao, R. Starbird, C. A. García-González.

Título: Conductive nanostructured materials based on poly-(3,4- ethylenedioxythiophene) (PEDOT) and starch/?-carrageenan for biomedical applications.

REF: Carbohydrate Polymers 189, 304–312, (2018).

Editor/es:

ISBN:

Autores: E. Segredo-Morales, M. Martin-Pastor, A. Salas, C. E?vora, A. Concheiro, C. Alvarez-Lorenzo, A. Delgado.

Título: Mobility of Water and Polymer Species and Rheological Properties of Supramolecular Polypseudorotaxane Gels Suitable for Bone Regeneration.

REF: Bioconjugate Chem. 29, 503?516, (2018).

Editor/es:

ISBN:

Autores: M.A. Grimaudo, S. Pescina, C. Padula, P. Santi, A. Concheiro, C. Alvarez-Lorenzo, S. Nicoli.

Título: Poloxamer 407/TPGS Mixed Micelles as Promising Carriers for Cyclosporine Ocular Delivery.

REF: Mol. Pharmaceutics 15, 571?584, (2018).

Editor/es:

ISBN:

Autores: C.A. García-Gonzalez, J. Barros, A. Rey-Rico, P. Redondo, J.L. Gomez-Amoza, A. Concheiro, C. Alvarez-Lorenzo, F.J. Monteiro.

Título: Antimicrobial Properties and Osteogenicity of Vancomycin-Loaded Synthetic Scaffolds Obtained by Supercritical Foaming.

REF: ACS Appl. Mater. Interfaces 10, 3349?3360, (2018).

Editor/es:

ISBN:

Autores: R. Rodríguez-Dorado, M. Landín , A. Altaid, P. Russo , R.P. Aquino, P. Del Gaudio.

Título: A novel method for the production of core-shell microparticles by inverse gelation optimized with artificial intelligent tools.

REF: International Journal of Pharmaceutics 538, 97–104, (2018).

Editor/es:

ISBN:

Autores: M.H. Mansor, M. Najberg, A. Contini, C. Alvarez-Lorenzo, E. Garcion, C. Jérôme, F. Boury.

Título: Development of a non-toxic and non-denaturing formulation process for encapsulation of SDF-1? into PLGA/PEG-PLGA nanoparticles to achieve sustained release.

REF: European Journal of Pharmaceutics and Biopharmaceutics 125, 38–50, (2018).

Editor/es:

ISBN:

Autores: L. Goimil, P. Jaeger, I. Ardao, J,L Gómez-Amoza, A. Concheiro, C. Alvarez-Lorenzo, C.A.García-González.

Título: Preparation and stability of dexamethasone-loaded polymeric scaffolds for bone regeneration processed by compressed CO2 foaming.

REF: Journal of CO2 Utilization, 89-98, (2018).

Editor/es:

ISBN:

Autores: Miguel O. Jara, Johanna Catalan-Figueroa, Mariana Landin, Javier O. Morales

Título: Finding key nanoprecipitation variables for achieving uniform polymeric nanoparticles using neurofuzzy logic technology

REF: Drug delivery and translational research, Diciembre 2017. <https://doi.org/10.1007/s13346-017-0446-8>

Editor/es:

ISBN:

Autores: F. López-Saucedo, G.G. Flores-Rojas, E. Bucio, C. Alvarez-Lorenzo, A. Concheiro, O. González-Antonio,

Título: Achieving antimicrobial activity through poly(N-methylvinylimidazolium) iodide brushes on binary-grafted polypropylene suture threads

REF: MRS Communications 7, (938–946), (2017).

Editor/es:

ISBN:

Autores: Manuel Ayuso, Pablo Ramil-Rego, Mariana Landin, Pedro P. Gallego, M. Esther Barreal

Título: Computer-Assisted Recovery of Threatened Plants: Keys for Breaking Seed Dormancy of *Eryngium viviparum*

REF: Frontiers in Plant Science. 12 diciembre 2017. doi: 10.3389/fpls.2017.02092.

Editor/es:

ISBN:

Autores: Diaz-Rodriguez, Patricia; Landin, Mariana.

Título: Biomorphic Ceramics for Drug Delivery in Bone Tissue Regeneration

REF: Current Pharmaceutical Design. 23, 3507-3514, (2017).

Editor/es:

ISBN:

Autores: Abbadessa, Anna; Landín, Mariana; Blenke, Erik Oude; Hennink, Wim E; Vermonden Tina.

Título: Two-component thermosensitive hydrogels: Phase separation affecting rheological behavior

REF: European Polymer Journal, 92, 13-26, (2017).

Editor/es:

ISBN:

Autores: Alonso-Hearn, Marta; Abendaño, Naiara; Ruvira, Maria A; Aznar, Rosa; Landin, Mariana; Juste, Ramon A

Título: Mycobacterium avium subsp. paratuberculosis (Map) Fatty Acids Profile Is Strain-Dependent and Changes Upon Host Macrophages Infection

REF: Frontiers in cellular and infection microbiology 7, 89, (2017).

Editor/es:

ISBN:

Autores: Nezami-Alanagh, Esmaeil; Garoosi, Ghasem-Ali; Maleki, Sara; Landín, Mariana; Gallego, Pedro Pablo

Título: Predicting optimal in vitro culture medium for Pistacia vera micropropagation using neural networks models.

REF: Plant Cell, Tissue and Organ Culture 129, 19-33, (2017).

Editor/es:

ISBN:

Autores: Echezarreta-López, María Magdalena; de Miguel, Trinidad; Quintero, Félix; Pou, Juan; Landín, Mariana

Título: Fabrication of Zn-Sr-doped laser-spinning glass nanofibers with antibacterial properties.

REF: Journal of Biomaterials Applications 31, 6, 819-831, (2017).

Editor/es:

ISBN:

Autores: Landin Mariana.

Título: Artificial intelligence tools for scaling up of high shear wet granulation process, Journal of pharmaceutical sciences.

REF: Journal of Pharmaceutical Sciences, 106, 273-277, (2017).

Editor/es:

ISBN:

Autores: Siegel, R. A.; Alvarez-Lorenzo, C.

Título: Stimuli-sensitive hydrogels.

REF: Drug Delivery and Targeting; Fundamentals, Applications and Future Directions.

Libro: Drug Delivery and Targeting; Fundamentals, Applications and Future Directions

Editor/es: A. M. Hillery, K. Park Ed

ISBN: 978-1482217711

Autores: Ana Rey-Rico, Jagadeesh K Venkatesan, Gertrud Schmitt, Angel Concheiro, Henning Madry, Carmen Alvarez-Lorenzo, Magali Cucchiari

Título: rAA V-mediated overexpression of TGF- β via vector delivery in polymeric micelles stimulates the biological and reparative activities of human articular chondrocytes in vitro and in a human osteochondral defect model

REF: International Journal of Nanomedicine 12, 6985–6996, (2017).

Editor/es:

ISBN:

Autores: F. Ungaro, O. Catanzano, I. d'Angelo, L. Diaz-Gomez, A. Concheiro, A. Miro, C. Alvarez-Lorenzo, F. Quaglia

Título: Microparticle-embedded fibroin/alginate beads for prolonged local release of simvastatin hydroxyacid to mesenchymal stem cells.

REF: Carbohydrate Polymers, 175, 645-653 (2017).

Editor/es:

ISBN:

Autores: G. G. Flores-Rojas, V.H. Pino-Ramos, F. López-Saucedo, A. Concheiro, C. Alvarez-Lorenzo, E. Bucio.

Título: Improved covalent immobilization of lysozyme on silicone rubber-films grafted with poly(ethylene glycol dimethacrylate-co-glycidylmethacrylate).

REF: European Polymer Journal, 95, 27-40 (2017).

Editor/es:

ISBN:

Autores: A. Santoveña, C. Monzón, C. Alvarez-Lorenzo, C. del Rosario, A. Delgado, C. Evora, A. Concheiro, M. Llabrés, J.B. Fariña.

Título: Structure-performance relationships of temperature-responsive PLGA-PEG-PLGA gels for sustained release of BMP-2.

REF: Journal of Pharmaceutical Sciences 106, 3353-3362, (2017).

Editor/es:

ISBN:

Autores: Rey-Rico, H. Babicz, H. Madry, A. Concheiro, C. Alvarez-Lorenzo, M. Cucchiari.

Título: Supramolecular polypseudorotaxane gels for controlled delivery of rAAV vectors in human mesenchymal stem cells for regenerative medicine.

REF: International Journal of Pharmaceutics, 531, 492-503, (2017).

Editor/es:

ISBN:

Autores: P.C. Caracciolo, M.I. Rial-Hermida, F. Montini-Ballarín, G.A. Abraham, A. Concheiro, C. Alvarez-Lorenzo.

Título: Surface-modified bioresorbable electrospun scaffolds for improving hemocompatibility of vascular grafts.

REF: Materials Science & Engineering C, 75, 1115-1127 (2017).

Editor/es:

ISBN:

Autores: Luis Diaz-Gomez, Carlos A. García-González, Jiamian Wang, Fang Yang, Salvador Aznar-Cervantes, Jose Luis Cenis, Ricardo Reyes, Araceli Delgado, Carmen Évora, Angel Concheiro, Carmen Alvarez-Lorenzo

Título: Biodegradable PCL/fibroin/hydroxyapatite porous scaffolds prepared by supercritical foaming for bone regeneration

REF: International Journal of Pharmaceutics, 513, 115-125 (2017).

Editor/es:

ISBN:

Autores: Manuela Curcio, Luis Diaz-Gomez, Giuseppe Cirillo, Angel Concheiro, Francesca Iemma, Carmen Alvarez-Lorenzo

Título: pH/redox dual-sensitive dextran nanogels for enhanced intracellular drug delivery

REF: European Journal of Pharmaceutics and Biopharmaceutics 117, 324-332 (2017).

Editor/es:

ISBN:

Autores: F. López-Saucedo, C. Alvarez-Lorenzo, A. Concheiro, E. Bucio

Título: Radiation-grafting of vinyl monomers separately onto polypropylene monofilament sutures

REF: Radiation Physics and Chemistry, 132, 1-7 (2017).

Editor/es:

ISBN:

Autores: E. Bucio, V.H. Pino-Ramos, C. Alvarez-Lorenzo, A. Concheiro.

Título: One-step grafting of temperature-and pH-sensitive (N-vinylcaprolactam-co-4-vinylpyridine) onto silicone rubber for drug delivery.

REF: Designed Monomers and Polymers, 20, 33-41 (2017).

Editor/es:

ISBN:

Autores: A. Garcia Marquez, T. Hidalgo, H. Lana, D. Cunha, M.J. Blanco-Prieto, C. Alvarez-Lorenzo, C. Boissière, C. Sanchez, C. Serre, P. Horcajada

Título: Biocompatible Polymer-Metal-Organic framework composite patches for the cutaneous administration of cosmetic molecules.

REF: Journal of Materials Chemistry B, 4, 7031-7040 (2016)

Editor/es:

ISBN:

Autores: A. Costoya, F. M. Ballarin, J. Llovo, A. Concheiro, G.A. Abraham, C. Alvarez-Lorenzo

Título: HMDSO-plasma coated electrospun fibers of poly(cyclodextrin)s for antifungal dressings

REF: International Journal of Pharmaceutics, 513, 518-527 (2016)

Editor/es:

ISBN:

Autores: H. Magaña, K. Palomino, J.M. Cornejo-Bravo, L. Díaz-Gómez, A. Concheiro, E. Zavala-Lagunes, C. Alvarez-Lorenzo, E. Bucio.

Título: Polymeric prodrug-functionalized polypropylene films for sustained release of salicylic acid

REF: International Journal of Pharmaceutics, 511, 579-585 (2016)

Editor/es:

ISBN:

Autores: A. Rey-Rico, J. Frisch, J. Venkatesan, G. Schmitt, I. Rial-Hermida, P. Taboada, A. Concheiro, H. Madry, C. Alvarez-Lorenzo, M. Cucchiari

Título: PEO-PPO-PEO carriers for rAAV-mediated transduction of human articular chondrocytes in vitro and in a human osteochondral defect model

REF: ACS Applied Materials & Interfaces, 8, 20600-20613 (2016)

Editor/es:

ISBN:

Autores: L. Diaz-Gomez, F. Yang, J.A. Jansen, A. Concheiro, C. Alvarez-Lorenzo, C.A. García-González.

Título: Low viscosity-PLGA scaffolds by compressed CO2 foaming for growth factors delivery

REF: RSC Advances, 6, 70510-70519 (2016)

Editor/es:

ISBN:

Autores: P. Otero-Pazos, A. Rodríguez-Bernaldo de Quirós, R. Sendón, B. Blanco-Fernandez, S. Blanco-Dorado, C. Alvarez-Lorenzo, A. Concheiro, I. Angulo, P. Paseiro-Losada

Título: Preparation of antioxidant active films based on chitosan: Kinetics release of a-tocopherol into food simulants

REF: Journal of Food Science and Technology, 53, 2817-2826 (2016)

Editor/es:

ISBN:

Autores: A.C. Lima, C. Alvarez-Lorenzo, J.F. Mano

Título: Design Advances in Particulate Systems for Biomedical Applications

REF: Advanced Healthcare Materials, 5, 1687-1723 (2016)

Editor/es:

ISBN:

Autores: R. Rodríguez-Dorado, A.M. Carro, I. Chianella, K. Karim, A. Concheiro, R.A. Lorenzo, S. Piletsky, C. Alvarez-Lorenzo

Título: Oxytetracycline recovery from aqueous media using computationally designed molecularly imprinted polymers

REF: Analytical and Bioanalytical Chemistry, 408, 6845-6856 (2016)

Editor/es:

ISBN:

Autores: C. González-Chomón, M. Silva, A. Concheiro, C. Alvarez-Lorenzo

Título: Biomimetic contact lenses eluting olopatadine for allergic conjunctivitis

REF: Acta Biomaterialia (doi: 10.1016/j.actbio.2016.05.032) (2016)

Editor/es:

ISBN:

Autores: Y. Guadarrama-Zempoalteca, L. Díaz-Gómez, H.I. Meléndez-Ortiz, A. Concheiro, C. Alvarez-Lorenzo, E. Bucio

Título: Lysozyme immobilization onto PVC catheters grafted with NVCL and HEMA for reduction of bacterial adhesion

REF: Radiation Physics and Chemistry, 129, 1-8 (2016)

Editor/es:

ISBN:

Autores: I. Fuentes, B. Blanco-Fernandez, N. Alvarado, A. Leiva, D. Radic, C. Alvarez-Lorenzo, A. Concheiro.

Título: Encapsulation of antioxidant gallate derivatives in biocompatible poly(e-caprolactone)-b-Pluronic-b-poly(e-

caprolactone) micelles

REF: Langmuir, 32, 3331-3339 (2016) (DOI: 10.1021/acs.langmuir.5b04748)

Editor/es:

ISBN:

Autores: F. Alvarez-Rivera, D. Fernandez-Villanueva, A. Concheiro, C. Alvarez-Lorenzo

Título: α -Lipoic acid in Soluplus® polymeric nanomicelles for ocular treatment of diabetes-associated corneal diseases

REF: Journal of Pharmaceutical Sciences, doi: 10.1016/j.xphs.2016.03.006 (2016)

Editor/es:

ISBN:

Autores: C. Alvarez-Lorenzo, C.A. Garcia-Gonzalez, E. Bucio, A. Concheiro

Título: Stimuli-responsive polymers for antimicrobial therapy: drug targeting, contact-killing surfaces and competitive release

REF: Expert Opinion on Drug Delivery DOI: 10.1080/17425247.2016.1178719 (2016)

Editor/es:

ISBN:

Autores: G. Brackman, M.J. Garcia-Fernandez, J. Lenoir, L. De Meyer, J.P. Remon, T. De Beer, A. Concheiro, C. Alvarez-Lorenzo, T. Coenye

Título: Dressings loaded with cyclodextrin-hamamelitannin complexes increase staphylococcus aureus susceptibility towards antibiotics both in single as well as in mixed biofilm communities

REF: Macromolecular Bioscience 16, 859-869 (2016) doi: 10.1002/mabi.201500437

Editor/es:

ISBN:

Autores: C. Alvarez-Lorenzo, A. Concheiro

Título: Formas farmacéuticas y sistemas de entrega de fármacos

Libro: Fundamentos del medicamento, Madrid: Consejo General de Colegios Oficiales de Farmacéuticos

Editor/es: Consejo General de Colegios Oficiales de Farmacéuticos

Pags.: 141-162

Ed.: Consejo General de Colegios Oficiales de Farmacéuticos. Madrid, 2016

ISBN:

Autores: M. Maryšková, I. Ardao, C.A. García-González, L. Martinová, J. Rotková, A. Ševc?

Título: Polyamide 6/chitosan nanofibers as support for the immobilization of Trametes versicolor laccase for the elimination of endocrine disrupting chemicals

REF: Enzyme and Microbial Technology 89, 31-38 (2016)

Editor/es:

ISBN:

Autores: F. de Cicco, P. Russo, E. Reverchon, C.A. García-González, R.P. Aquino, P. Del Gaudio

Título: Prilling and Supercritical drying: a Successful Duo to Produce Core-Shell Polysaccharide Aerogel Beads for Wound Healing

REF: Carbohydrate Polymers 147, 482-489 (2016)

Editor/es:

ISBN:

Autores: X. Marcos, S. Pérez-Casas, J. Llovo, A. Concheiro, C. Alvarez-Lorenzo

Título: Poloxamer-hydroxyethyl cellulose- β -cyclodextrin supramolecular gels for sustained release of griseofulvin

REF: International Journal of Pharmaceutics 500, 11-19 (2016)

Editor/es:

ISBN:

Autores: P. Brown, L. Bromberg, M.I. Rial-Hermida, M. Wasbrough, A.T. Hatton, C. Alvarez-Lorenzo

Título: Magnetic surfactants and polymers with gadolinium counterions for protein separations

REF: Langmuir 32, 699-705 (2016)

Editor/es:

ISBN:

Autores: L. Diaz-Gomez, A. Concheiro, C. Alvarez-Lorenzo, C.A. García-González.

Título: Growth factors delivery from hybrid PCL-starch scaffolds processed using supercritical fluid technology

REF: Carbohydrate Polymers 142, 282-292 (2016)

Editor/es:

ISBN:

Autores: H.I. Meléndez-Ortiz, C. Alvarez-Lorenzo, A. Concheiro, V.M. Jiménez-Páez, E. Bucio.

Título: Modification of medical grade PVC with N-vinylimidazole to obtain bactericidal surface

REF: Radiation Physics and Chemistry 119, 37-43 (2016)

Editor/es:

ISBN:

Autores: Loftsson, T.; Moya-Ortega, M.; Alvarez-Lorenzo, C.; Concheiro, A.

Título: Pharmacokinetics of cyclodextrins and drugs after oral and parenteral administration of drug/cyclodextrin complexes.

REF: Journal of Pharmacy and Pharmacology 68, 544-555 (2016).

Editor/es:

ISBN:

Autores: Flores, S.E., Rial-Hermida, M.I., Ramirez, J.C.; Pazos, A.; Concheiro, A.; Alvarez-Lorenzo, C.; Peralta, R.D.

Título: Microemulsions for Colorectal Cancer Treatments. General Considerations and Formulation of Methotrexate.

REF: Mini reviews in medicinal chemistry 16, 498-508 (2016).

Editor/es:

ISBN:

Autores: Benito-Peña, E.; González-Vallejo, V.; Rico-Yuste, A.; Barbosa-Pereira, L.; Cruz, L.M.; Bilbao, A., Alvarez-Lorenzo, C.; Moreno-Bondi, M.C.

Título: Molecularly imprinted hydrogels as functional active packaging materials.

REF: Food Chemistry 190, 487–494 (2016).

Editor/es:

ISBN:

Autores: V. Mangas-Sanjuan; J. Gutiérrez-Nieto; M. Echezarreta-López; I. González-Álvarez; M. González-Álvarez; V.-G. Casabó; M. Bermejo; M. Landin

Título: Intestinal Permeability of γ -Lapachone and Its Cyclodextrin Complexes and Physical Mixtures

REF: European Journal of Drug Metabolism and Pharmacokinetics, Nov 2015, 1-12

Editor/es:

ISBN:

Autores: M Curcio, B. Blanco-Fernandez, L. Diaz-Gomez, A. Concheiro, C. Alvarez-Lorenzo

Título: Hydrophobically modified keratin vesicles for GSH-responsive intracellular drug release

REF: Bioconjugate Chemistry, 29, 1900-1907 (2015)

Editor/es:

ISBN:

Autores: Costa, P.F. ; Puga, A.M. ; Diaz-Gómez, L.; Concheiro, A.; Busch, D.H. ; Alvarez-Lorenzo, C.

Título: Additive manufacturing of scaffolds with dexamethasone controlled release for enhanced bone regeneration.

REF: International Journal of Pharmaceutics 496, 541–550(2015).

Editor/es:

ISBN:

Autores: Malakooti, N. ; Alexander, C.; Alvarez-Lorenzo, C.

Título: Imprinted contact lenses for sustained release of polymyxin B and related antimicrobial peptides.

REF: Journal of Pharmaceutical Sciences 104, 3386-3394 (2015).

Editor/es:

ISBN:

Autores: Simões, S.M.; Veiga, F.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: In situ administration: simvastatin in bone regeneration.

Libro: Simvastatin Delivery: Challenges and Opportunities.

Editor/es: Alberto A. C. C. Pais, João J. S. Sousa, Carla Vitorino

Pags.: 93-120

Ed.: Nova Science, USA.

ISBN: 978-1-63482-193-3

Autores: J.F. Rosa dos Santos, J.J. Torres-Labandeira, C. Alvarez-Lorenzo, A. Concheiro.

Título: Hidrogeles de ciclodextrinas para administración de fármacos.

Libro: Biomateriales Aplicados al Diseño de Sistemas Terapéuticos Avanzados.

Editor/es: A. Sosnik, M. Braga y H. de Sousa

Pags.: 27-65

Ed.: Universidad de Coimbra

ISBN:

Autores: C. Alvarez-Lorenzo, A. Concheiro, A. Sosnik.

Título: Micelas poliméricas para encapsulación, vectorización y cesión de fármacos.

Libro: Biomateriales Aplicados al Diseño de Sistemas Terapéuticos Avanzados.

Editor/es: A. Sosnik, M. Braga y H. de Sousa

Pags.: 183-217

Ed.: Universidad de Coimbra

ISBN:

Autores: Díaz-Gomez, L.; Montini Ballarin, F.; Abraham, G.A.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Random and aligned PLLA:PRGFelectrospun scaffolds for regenerative medicine.

REF: Journal of Applied Polymer Science 132, 41372 (2015).

Editor/es:

ISBN:

Autores: Díaz-Rodríguez, P., Rey-Rico A., Madry, H., Landin, M., Cucchiari, M.

Título: Effective genetic modification and differentiation of hMSCs upon controlled release of rAAV vectors using alginate/poloxamer composite systems.

REF: International Journal of Pharmaceutics 496, 614–626 (2015).

Editor/es:

ISBN:

Autores: Diaz-Rodriguez, P.; Gomez-Amoza, J.L.; Landin, M.

Título: The synergistic effect of VEGF and biomorphic silicon carbides topography on in vivo angiogenesis and human bone marrow derived mesenchymal stem cell differentiation.

REF: Biomedical Materials 10 (4), 045017 (2015).

Editor/es:

ISBN:

Autores: Goyanes, A.; Wang, J.; Buanz, A.; Martinez-Pacheco, R.; Telford, R.; Gaisford, S.; Basit, A.W.

Título: 3D Printing of Medicines: Engineering Novel Oral Devices with Unique Design and Drug Release Characteristics.

REF: Molecular Pharmaceutics (2015).

Editor/es:

ISBN:

Autores: Landin, M.

Título: Introducción al uso de sistemas de inteligencia artificial para modelizar comprender y optimizar formulaciones farmacéuticas.

Libro: Biomateriales Aplicados al Diseño de Sistemas Terapéuticos Avanzados Nanofibras electrohiladas para usos terapéuticos. Módulo II: Tecnologías aplicadas al diseño y producción de sistemas terapéuticos.

Editor/es: A. Sosnik, M. Braga, H. de Sousa

Ed.: Universidad de Coimbra

ISBN:

Autores: Díaz-Gómez, L.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Polymers in Drug Delivery: Fundamentals.

Libro: Advanced Polymers in Medicine.

Editor/es: Puoci, F.

Pags.: 319-339

Ed.: Springer

ISBN: 978-3-319-12477-3

Autores: Simões, S.M.N.; Figueiras, A.R; Veiga, F.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Polymeric micelles for oral drug administration enabling locoregional and systemic treatments.

REF: Expert Opinion on Drug Delivery 12, 297-318 (2015).

Editor/es:

ISBN:

Autores: Rey-Rico, A.; Venkatesan, J.K.; Frisch, J.; Rial-Hermida, I.; Schmitt, G.; Concheiro, A.; Madry, H.; Alvarez-Lorenzo, C.; Cucchiari, M.

Título: PEO–PPO–PEO micelles as effective rAAV mediated gene delivery systems to target human mesenchymal stem cells without altering their differentiation potency.

REF: Acta Biomaterialia 27, 42–52 (2015).

Editor/es:

ISBN:

Autores: Bahadur, A.; Cabana-Montenegro, S.;b , Aswal, V.K.; Lage, E.V.; Sandez-Macho, I.; Concheiro, A.; Alvarez-Lorenzo, C.; Bahadur, P.

Título: NaCl-triggered self-assembly of hydrophilic poloxamine block copolymers.

REF: International Journal of Pharmaceutics 494, 453–462 (2015).

Editor/es:

ISBN:

Autores: del Rosario,C.; Rodríguez-Évora, M.; Reyes, R.; Simões, S.; Concheiro, A.; Évora, C.; Alvarez-Lorenzo, C.; Delgado, A.

Título: Bone critical defect repair with poloxamine–cyclodextrin supramolecular gels.

REF: International Journal of Pharmaceutics 495, 463–473 (2015).

Editor/es:

ISBN:

Autores: Curcio, M.;Blanco-Fernández, B.; Costoya, A.; Concheiro, A.; Puoci, F.; Alvarez-Lorenzo, C.

Título: Glucose cryoprotectant affects glutathione-responsive antitumor drug release from polysaccharide nanoparticles.

REF: European Journal of Pharmaceutics and Biopharmaceutics 93, 281–292 (2015).

Editor/es:

ISBN:

Autores: Lorenzo, R.A.; Carro, A.M.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Stimuli-responsive materials in analytical separation.

REF: Analytical and Bioanalytical Chemistry 407, 4927–4948 (2015).

Editor/es:

ISBN:

Autores: Sandez-Macho, I.; Casas, M.; Lage, E.V.; Rial-Hermida, M.I.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Interaction of poloxamine block copolymers with lipid membranes: role of copolymer structure and membrane cholesterol content.

REF: Colloids and Surfaces B: Biointerfaces 133, 270–277 (2015).

Editor/es:

ISBN:

Autores: García-González, C.A.; Díaz-Gómez, L.A.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Patent Survey on Current Applications of Supercritical Fluid Technology in Regenerative Medicine.

REF: Recent Patents on Nanomedicine 5, 48-58 (2015).

Editor/es:

ISBN:

Autores: Rial-Hermida, M. I.; Alvarez-Lorenzo, C.; Concheiro, A.

Título: Administración oral de fármacos citostáticos en el tratamiento del Cáncer Colorrectal.

Libro: Abordaje multidisciplinar de cáncer colorrectal.

Editor/es: Alejandro Pazos, José Luis Ulla, Manuel Valladares

Pags.: 299-313

Ed.: Andavira editora S.L., Santiago de Compostela, Spain.

ISBN: 978-84-8408-795-3

Autores: Costa, A.M.S.; Alatorre-Meda, M.; Alvarez-Lorenzo, C.; Mano, J.F.

Título: Superhydrophobic Surfaces as a Tool for the Fabrication of Hierarchical Spherical Polymeric Carriers.

REF: Small 11, 3648–3652 (2015).

Editor/es:

ISBN:

Autores: García-González, C.A.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Processing of Materials for Regenerative Medicine Using Supercritical Fluid Technology.

REF: Bioconjugate Chemistry 26, 1159–1171 (2015).

Editor/es:

ISBN:

Autores: Simoes, S.M.N.; Rey-Rico, A.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Supramolecular cyclodextrin-based drug nanocarriers.

REF: Chemical Communications 51, 6275-6289 (2015).

Editor/es:

ISBN:

Autores: Islas, L.; Alvarez-Lorenzo, C.; Magariños, B.; Concheiro, A.; del Castillo, L.F.; Burillo, G.

Título: Singly and binary grafted poly(vinyl chloride) urinary catheters that elute ciprofloxacin and prevent bacteria adhesion.

REF: International Journal of Pharmaceutics 488, 20–28 (2015).

Editor/es:

ISBN:

Autores: Magaña, H.; Palomino, K.; Cornejo-Bravo, J.M.; Alvarez- Lorenzo, C.; Concheiro, A.; Bucio, E.

Título: Radiation-grafting of acrylamide onto silicone rubber films for diclofenac delivery.

REF: Radiation Physics and Chemistry 107, 164–170 (2015).

Editor/es:

ISBN:

Autores: de Matos, M. B.C.; Puga, A.M.; Alvarez-Lorenzo, C.; Concheiro, A.; Braga, M. E.M.; de Sousa, H. C.

Título: Osteogenic poly(ϵ -caprolactone)/poloxamine homogeneous blends prepared by supercritical foaming.

REF: International Journal of Pharmaceutics 479, 11–22 (2015).

Editor/es:

ISBN:

Autores: Neto, A. I.; Correia, C. R.; Oliveira, M. B.; Rial-Hermida, M. I.; Alvarez-Lorenzo, C.; Reis, R. L.; Mano, J. F.

Título: A novel hanging spherical drop system for the generation of cellular spheroids and high throughput combinatorial drug screening.

REF: Biomaterials Science 3, 581-585 (2015).

Editor/es:

ISBN:

Autores: Misa-Agustiño, M.J.; Leiro-Vidal, J.M.; Gomez-Amoza, J.L.; Jorge-Mora, M.T.; Jorge-Barreiro, F.J.; Salas-Sánchez, A.A.; Ares-Pena, F.J.; López-Martín, E.

Título: EMF radiation at 2450 MHz triggers changes in the morphology and expression of heat shock proteins and glucocorticoid receptors in rat thymus.

REF: Life Sciences 127, 1–11 (2015).

Editor/es:

ISBN:

Autores: Lima, A.C.; Mano, J.F.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Fast and Mild Strategy, Using Superhydrophobic Surfaces, to Produce Collagen/Platelet Lysate Gel Beads for Skin Regeneration.

REF: Stem Cell Reviews and Reports 11, 161–179 (2015).

Editor/es:

ISBN:

Autores: Landin, M.; Perez, J.

Título: Class attendance and academic achievement of pharmacy students in a European University.

REF: Currents in Pharmacy Teaching and Learning 7, 78–83 (2015).

Editor/es:

ISBN:

Autores: Díaz-Rodríguez, P., Landin, M.

Título: Controlled release of indomethacin from alginate-ploxamer--ploxamer--silicon carbide composites decrease in-vitro inflammation.

REF: International Journal of Pharmaceutics 480, 92-100 (2015).

Editor/es:

ISBN:

Autores: Melendez-Ortiz, H.I., Alvarez-Lorenzo, C.; Concheiro, A.; Bucio, E.

Título: Grafting of N-vinyl caprolactam and methacrylic acid onto silicone rubber films for drug-eluting products.

REF: Journal of Applied Polymer 132, 41855 (1-11) (2015).

Editor/es:

ISBN:

Autores: Meléndez-Ortiz, H. I.; Alvarez-Lorenzo, C.; Burillo, G.; Magariños, B.; Concheiro, A.; Bucio, E.

Título: Radiation-grafting of N-vinylimidazole onto silicone rubber for antimicrobial properties.

REF: Radiation Physics and Chemistry 110, 59–66 (2015).

Editor/es:

ISBN:

Autores: García-González, C.A., Jin, M., Gerth, J. , Alvarez-Lorenzo, C.; Smirnova, I.

Título: Polysaccharide-based aerogel microspheres for oral drug delivery.

REF: Carbohydrate Polymers 117, 797–806 (2015).

Editor/es:

ISBN:

Autores: Ravina-Eirin, E.; Gomez-Amoza, JL.; Martinez-Pacheco, R.

Título: Drug dispersion degree and drug dissolution rate in Hybrane S1200-based instant-release matricial particles prepared by hot melt extrusion.

REF: Drug Development and Industrial Pharmacy 41, 1000-1005 (2015).

Editor/es:

ISBN:

Autores: Blanco-Fernandez, B.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Stimuli-sensitive nanostructured systems for biomedical applications.

Libro: Frontiers in Nanobiomedical Research. Vol. 3 Handbook of Nanobiomedical Research.Fundamentals, Applications and Recent Developments.

Editor/es: Vladimir Torchillin

Pags.: 309-348

Ed.: World Scientific Publishing and Imperial College Press

ISBN: 978-981-4520-64-5

Autores: M.A. Luna-Straffon, A. Contreras-García, G. Brackman, T. Coenye, A. Concheiro, C. Alvarez-Lorenzo, E. Bucio

Título: Wound debridement and antibiofilm properties of gamma-ray DMAEMA-grafted onto cotton gauzes.

REF: Cellulose 21, 3767-3779 (2014).

Editor/es:

ISBN:

Autores: Barbosa, S.; Topete, A.; Alatorre-Meda, M.; Villar-Alvarez, E.M.; Pardo, A.; Alvarez-Lorenzo, C.; Concheiro, A.; Taboada, P.; Mosquera, V.

Título: Targeted Combinatorial Therapy Using Gold Nanostars as Theranostic Platforms.

REF: The Journal of Physical Chemistry C 118, 26313-26323 (2014).

Editor/es:

ISBN:

Autores: Lopez-Cebral R, Romero-Caamaño V, Seijo B, Alvarez-Lorenzo, Martín-Pastor M, Concheiro A, Landin M., Sanchez A.

Título: Spermidine Cross-Linked Hydrogels as a Controlled Release Biomimetic Approach for Cloxacillin.

REF: Molecular Pharmaceutics 11, 2358-2371 (2014).

Editor/es:

ISBN:

Autores: P. Taboada, S. Barbosa, A. Concheiro, C. Alvarez-Lorenzo.

Título: Polymeric micelles.

Libro: Soft Nanoparticles for Biomedical Applications.

Editor/es: J. Callejas-Fernández, J. Estelrich, M. Quesada-Pérez, J. Forcada

Pags.: 157-215

Ed.: Royal Society of Chemistry.

ISBN: 9781849738118

Autores: T. Segura, A.M. Puga, G. Burillo, J. Llovo, G. Brackman, T. Coenye, A. Concheiro, C. Alvarez-Lorenzo.

Título: Materials with fungi-bioinspired surface for efficient binding and fungi-sensitive release of antifungal agents.

REF: Biomacromolecules 15, 1860-1870 (2014).

Editor/es:

ISBN:

Autores: Alanagh, E.N.; Garoosi, G.; Haddad, R.; Maleki, S.; Landín, M.; Gallego, P.P.

Título: Design of tissue culture media for efficient Prunus rootstock micropropagation using artificial intelligence models.

REF: Plant Cell, Tissue and Organ Culture (PCTOC) 117 (3), 349-359 (2014).

Editor/es:

ISBN:

Autores: Kazazi-Hyseni F, Landin M, Lathuile A, Veldhuis GJ, Rahimian S, Hennink WE, Kok RJ, van Nostrum CF.

Título: Computer Modeling Assisted Design of Monodisperse PLGA Microspheres with Controlled Porosity Affords Zero Order Release of an Encapsulated Macromolecule for 3 Months.

REF: Pharmaceutical Research 31 (10), 2844-2856 (2014).

Editor/es:

ISBN:

Autores: M. Rodríguez-Évora, R. Reyes, C. Alvarez-Lorenzo, A. Concheiro, A. Delgado, C. Évora.

Título: Bone regeneration induced by an in situ gel-forming poloxamine, bone morphogenetic protein-2 system.

REF: Journal of Biomedical Nanotechnology 10, 959-969 (2014).

Editor/es:

ISBN:

Autores: Echezarreta-López, M.M.; De Miguel, T.; Quintero, F.; Pou, J.; Landin, M.

Título: Antibacterial properties of laser spinning glass nanofibers.

REF: International Journal of Pharmaceutics 477, 113–121 (2014).

Editor/es:

ISBN:

Autores: Vazquez-Gonzalez, B.; Melendez-Ortiz, H.I.; D'az-Gomez, L.; Alvarez-Lorenzo, C.; Concheiro, A.; Bucio, E.

Título: Silicone Rubber Modified with Methacrylic Acid to Host Antiseptic Drugs.

REF: Macromolecular Materials and Engineering 299, 1240–1250 (2014).

Editor/es:

ISBN:

Autores: Rial-Hermida, M.I.; Oliveira, N.M.; Concheiro, A.; C. Alvarez-Lorenzo, C.; Mano, J.F.

Título: Bioinspired superamphiphobic surfaces as a tool for polymer- and solvent independent preparation of drug-loaded spherical particles.

REF: Acta Biomaterialia 10, 4314-4322 (2014).

Editor/es:

ISBN:

Autores: Simões, S.M.N.; Veiga, F.; Ribeiro, A.C.F.; Figueiras, A.R.; Taboada, P.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Supramolecular gels of poly- α -cyclodextrin and PEO-based copolymers for controlled drug release.

REF: European Journal of Pharmaceutics and Biopharmaceutics 87, 579–588 (2014).

Editor/es:

ISBN:

Autores: Lima, A.C.; Puga, A. M.; Mano, J. F.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Free and copolymerized β -cyclodextrins regulate the performance of dexamethasone-loaded dextran microspheres for bone regeneration.

REF: Journal of Materials Chemistry B 2, 4943–4956 (2014).

Editor/es:

ISBN:

Autores: Oliveira, M.B.; Neto, A.I.; Correia, C. R.; Rial-Hermida, M.I.; Alvarez-Lorenzo, C.; Mano, J.F.

Título: Superhydrophobic Chips for Cell Spheroids High-Throughput Generation and Drug Screening.

REF: ACS Applied Materials & Interfaces 6, 9488–9495 (2014).

Editor/es:

ISBN:

Autores: Díaz-Rodríguez, P.; González, P.; Serra, J.; Landin, M.

Título: Key parameters in blood-surface interactions of 3D bioinspired ceramic materials.

REF: Materials Science and Engineering C 41, 232–239 (2014).

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C.; Concheiro, A.

Título: Smart drug delivery systems: from fundamentals to the clinic.

REF: Chemical Communications 50, 7743-7765 (2014).

Editor/es:

ISBN:

Autores: Diaz-Gomez, L.; Alvarez-Lorenzo, C.; Concheiro, A.; Silva, M.; Dominguez, F.; Sheikh, F.A.; Cantu, T.; Desai, R.; Garcia, V.L.; Macossay, J.

Título: Biodegradable electrospun nanofibers coated with platelet-rich plasma for cell adhesion and proliferation.

REF: Materials Science and Engineering C 40, 180–188 (2014).

Editor/es:

ISBN:

Autores: Grinberg, V.Y.; Burova, T. V.; Grinberg, N. V.; Dubovik, A.S.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Binding Affinity of Thermoresponsive Polyelectrolyte Hydrogels for Charged Amphiphilic Ligands. A DSC Approach.

REF: Langmuir 30, 4165-4171 (2014).

Editor/es:

ISBN:

Autores: Gago, J.; Martínez-Nuñez, L.; Landin, M.; Flexas, J.; Gallego, P.P.

Título: Modeling the Effects of Light and Sucrose on In Vitro Propagated Plants: A Multiscale System Analysis Using Artificial Intelligence Technology.

REF: Modeling Plant Acclimation Using Neurofuzzy Logic 9, e85989, 1-11 (2014).

Editor/es:

ISBN:

Autores: Muñoz-Muñoz, F.; Bucio, E.; Magarinos, B.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Temperature- and pH-Sensitive IPNs Grafted onto Polyurethane by Gamma Radiation for Antimicrobial Drug-Eluting Insertable Devices.

REF: Journal of Applied Polymer Science 131, 39992 (2014).

Editor/es:

ISBN:

Autores: Melendez-Ortiz, H.I.; Díaz-Rodríguez, P.; Alvarez-Lorenzo, P.; Concheiro, A.; Bucio, E.

Título: Binary Graft Modification of Polypropylene for Anti-Inflammatory Drug-Device Combo Products.

REF: Journal of Pharmaceutical Sciences 103, 1269-1277 (2014).

Editor/es:

ISBN:

Autores: Ramírez-Jiménez, A.; Alvarez-Lorenzo, C.; Concheiro, A.; Bucio, E.

Título: Temperature responsiveness and biocompatibility of DEGMA/OEGMA radiation-grafted onto PP and LDPE films.

REF: Radiation Physics and Chemistry 99, 53-61 (2014).

Editor/es:

ISBN:

Autores: Simões, S.M.N.; Veiga, F.; Torres-Labandeira, J.J.; Ribeiro, A.C.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Syringeable Self-Assembled Cyclodextrin Gels for Drug Delivery.

REF: Current Topics in Medicinal Chemistry 14, 494-509 (2014).

Editor/es:

ISBN:

Autores: Raviña-Eirín, E.; Sanchez-Rodríguez, B.; Gómez-Amoza, J.L.; Martínez-Pacheco, R.

Título: Evaluation of the hyperbranched polymer Hybrane H1500 for production of matricial controlled-release particles by hot-melt extrusion.

REF: International Journal of Pharmaceutics 461, 469– 477 (2014).

Editor/es:

ISBN:

Autores: García-Vargasa, M.; González-Chomón, C.; Magariños, B.; Concheiro, A.; Alvarez-Lorenzo, C.; Bucio, E.

Título: Acrylic polymer-grafted polypropylene sutures for covalent immobilization or reversible adsorption of vancomycin.

REF: International Journal of Pharmaceutics 461, 286– 295 (2014).

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C., Concheiro, A.

Título: Molecular Imprinting: A Historical Perspective.

Libro: Handbook of Molecularly Imprinted Polymers.

Editor/es: Alvarez-Lorenzo, C., Concheiro, A.

Pags.: 1-22

Ed.: Smithers Rapra Technology Ltd. Shawbury, Shrewsbury, Shropshire, UK.

ISBN: 978-1-84735-959-9 (HARDBACK), 978-1-84735-960-5 (SOFTBACK), 978-1-84735-961-2 (EBOOK)

Autores: Alvarez-Lorenzo, C.; Gonzalez-Chomon, C.; Concheiro, A.

Título: Molecularly imprinted hydrogels for affinity-controlled and stimuli-responsive drug delivery.

Libro: Smart Materials for Drug Delivery: volume 2.

Editor/es: C. Alvarez-Lorenzo, A. Concheiro

Pags.: 228-260

Ed.: The Royal Society of Chemistry, Cambridge, UK.

ISBN: 978-1-84973-878-1.

Autores: Alvarez-Lorenzo, C.; Concheiro, A.

Título: Molecularly Imprinted Polymers as Components of Drug Delivery Systems.

Libro: Handbook of Molecularly Imprinted Polymers

Editor/es: Alvarez-Lorenzo, C. (editor), Concheiro, A. (editor)

Pags.: 309-359

Ed.: Smithers Rapra Technology Ltd. Shawbury, Shrewsbury, Shropshire, UK.

ISBN: 978-1-84735-959-9 (HARDBACK), 978-1-84735-960-5 (SOFTBACK), 978-1-84735-961-2 (EBOOK)

Autores: Matos, M.B.C. de; Piedade, A.P.; Alvarez-Lorenzo, C.; Concheiro, A.; Braga, M.E.M.; Sousa, H.C. de.

Título: Dexamethasone-loaded poly(ϵ -caprolactone)/silica nanoparticles composites prepared by supercritical CO₂ foaming/mixing and deposition.

REF: International Journal of Pharmaceutics 456, 269-281 (2013).

Editor/es:

ISBN:

Autores: Cambón, A.; Brea, J.; Loza, M.I.; Alvarez-Lorenzo, C.; Concheiro, A.; Barbosa, S.; Taboada, P.; Mosquera, V.

Título: Cytocompatibility and P-glycoprotein inhibition of block copolymers: structure-activity relationship.

REF: Molecular Pharmaceutics 10, 3232-3241 (2013).

Editor/es:

ISBN:

Autores: Nabavi, S. F.; Sobarzo-Sánchez, E.; Nabavi, S.M.; Sureda, A.; Moghaddam, A.H.

Título: Bi-3-Azaoxisoaporphine Derivatives have Antidepressive Properties in a Murine Model of Post Stroke-Depressive Like Behavior .

REF: Current Neurovascular Research 10, 164-171(2013).

Editor/es:

ISBN:

Autores: Goyanes, A.; Martinez-Pacheco, R.

Título: New co-processed MCC-based excipient for fast release of low solubility drugs from pellets prepared by extrusion-spheronization.

REF: Drug Development and Industrial Pharmacy 41, 362-368 (2013).

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C.; Concheiro, A.

Título: Bioinspired drug delivery systems.

REF: Current Opinion in Biotechnology 24, 1167–1173 (2013).

Editor/es:

ISBN:

Autores: Echezarreta-Lopez, M.M.; Landin, M.

Título: Using machine learning for improving knowledge on antibacterial effect of bioactive glass.

REF: International Journal of Pharmaceutics 453, 641– 647 (2013).

Editor/es:

ISBN:

Autores: Raviña-Eirin, E.; Gomez-Amoza, J.L.; Martinez-Pacheco, R.

Título: Utility of the hyperbranched polymer Hybrane S1200 for production of instant-release particles by hot melt extrusion.

REF: Drug Development and Industrial Pharmacy 39, 1107-1112 (2013).

Editor/es:

ISBN:

Autores: Diaz-Rodriguez, P.; Perez-Estevez, A.; Seoane, R.; Gonzalez, P.; Serra, J.; Landin, M.

Título: Suitability of Biomorphic Silicon Carbide Ceramics as Drug Delivery Systems against Bacterial Biofilms.

REF: ISRN Pharmaceutics, Article ID 104529, 1-8 (2013).

Editor/es:

ISBN:

Autores: Gonzalez-Chomon, C.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Soft contact lenses for controlled ocular delivery: 50 years in the making.

REF: Therapeutic Delivery 4, 1141–1161 (2013).

Editor/es:

ISBN:

Autores: Cunha-Filho, M.S.S.; Martinez-Pacheco, R.; Landin, M.

Título: Effect of storage conditions on the stability of β -lapachone in solid state and in solution.

REF: Journal of Pharmacy and Pharmacology 65, 798–806 (2013).

Editor/es:

ISBN:

Autores: Petit, A.; Müller, B.; Meijboom, R.; Bruin, P.; Manakker, F.; Versluijs- Helder, M.; Leede, L.G.J.; Doornbos, A.; Landin, M.; Hennink, W.E.; Vermonden, T.

Título: Effect of polymer composition on rheological and degradation properties of temperature-responsive gelling systems composed of acyl-capped PCLA-PEG-PCLA.

REF: Biomacromolecules 14, 3172?3182 (2013).

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C.; Blanco-Fernandez, B.; Puga, A.M.; Concheiro, A.

Título: Crosslinked ionic polysaccharides for stimuli-sensitive drug delivery.

REF: Advanced Drug Delivery Reviews 65, 1148–1171 (2013).

Editor/es:

ISBN:

Autores: Concheiro, A.; Alvarez-Lorenzo, C.

Título: Chemically cross-linked and grafted cyclodextrin hydrogels: From nanostructures to drug-eluting medical devices.

REF: Advanced Drug Delivery Reviews 65, 1188–1203 (2013).

Editor/es:

ISBN:

Autores: Landin, M.; Rowe, R.C.

Título: Artificial neural networks technology to model, understand and optimize drug formulations.

Libro: Formulation Tools for Pharmaceutical Development. Woodhead Publishing Series in Biomedicine: Number 44.

Editor/es: Johnny Edward Aguilar

Pags.: 7-37

Ed.: Woodhead Publishing Limited, Cambridge, UK.

ISBN: 9781907568992

Autores: Seoane, S.; Díaz-Rodríguez, P.; Sendon-Lago, J.; Gallego, R.; Pérez-Fernández, R.; Landin, M.

Título: Administration of the optimized β -Lapachone–poloxamer–cyclodextrin ternary system induces apoptosis, DNA damage and reduces tumor growth in a human breast adenocarcinoma xenograft mouse model.

REF: European Journal of Pharmaceutics and Biopharmaceutics 84, 497–504 (2013).

Editor/es:

ISBN:

Autores: García-Fernández, M.J.; Tabary, N.; Martel, B.; Cazaux, F.; Oliva, A.; Taboada, P.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Poly-(cyclo)dextrins as ethoxzolamide carriers in ophthalmic solutions and in contact lenses.

REF: Carbohydrate Polymers 98, 1343–1352 (2013).

Editor/es:

ISBN:

Autores: Garcia, L.; Burillo, G.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Immobilization of liposomes on temperature-responsive polymer networks crosslinked with poly-L-lysine and grafted onto polypropylene.

REF: Designed Monomers and Polymers 16, 241-249 (2013).

Editor/es:

ISBN:

Autores: Carmen Alvarez-Lorenzo, Angel Concheiro.

Título: Drug/medical device combination products with stimuli-responsive eluting surface.

Libro: Smart Materials for Drug Delivery.

Editor/es: C. Alvarez-Lorenzo, A. Concheiro.

Pags.: 313-348

Ed.: The Royal Society of Chemistry, UK (2013).

ISBN: 9781849735520

Autores: Alvarez-Lorenzo, C.; Gonzalez-Chomon, C.; Concheiro, A.

Título: Molecularly imprinted hydrogels for affinity-controlled and stimuli-responsive drug delivery.

Libro: Smart Materials for Drug Delivery.

Editor/es: C. Alvarez-Lorenzo, A. Concheiro.

Pags.: 228-260

Ed.: The Royal Society of Chemistry, UK (2013).

ISBN: 9781849735520

Autores: Alatorre-Meda, M.; Alvarez-Lorenzo, C.; Concheiro, A.; Taboada, P.

Título: UV and Near-IR Triggered Release from Polymeric Micelles and Nanoparticles.

Libro: Smart Materials for Drug Delivery.

Editor/es: C. Alvarez-Lorenzo, A. Concheiro.

Pags.: 304-348

Ed.: The Royal Society of Chemistry, UK (2013).

ISBN: 9781849735520

Autores: C. Alvarez-Lorenzo, C; Concheiro, A.

Título: From drug dosage forms to intelligent drug delivery systems: a change of paradigm.

Libro: Smart Materials for Drug Delivery.

Editor/es: Alvarez-Lorenzo, A. Concheiro.

Pags.: 1-13

Ed.: Royal Society of Chemistry, UK (2013).

ISBN: 9781849735520

Autores: Alvarez-Lorenzo, C.; Concheiro, A.

Título: Cribado biofarmacéutico en el descubrimiento de fármacos y estudios de preformulación.

Libro: Tratado de Biofarmacia y Farmacocinética. Vol. II.

Editor/es: Doménech Berrozpe, J., Martínez Lanao, J., Peraire Guitart, C.

Pags.: 477-510

Ed.: (2013).

ISBN:

Autores: Alvarez-Lorenzo, C.; Yañez-Gomez, F.; Concheiro, A.

Título: Modular biomimetic drug delivery systems.

Libro: Polymeric Biomaterials. Vol. 2 (3rd edition)

Editor/es: Severian Dumitriu, Valentin Popa

Pags.: 85-122

Ed.: Taylor & Francis, USA (2013).

ISBN: 1420094726

Autores: Simoes, S.M.N.; Veiga, F.; Torres-Labandeira, J.J.; Ribeiro, A.C.F.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Poloxamine–Cyclodextrin–Simvastatin Supramolecular Systems Promote Osteoblast Differentiation of Mesenchymal Stem Cells.

REF: Macromolecular Bioscience 13, 723–734 (2013).

Editor/es:

ISBN:

Autores: Puga, A.M.; Lima, A.C.; Mano, J.F.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Pectin-coated chitosan microgels crosslinked on superhydrophobic surfaces for 5-fluorouracil encapsulation.

REF: Carbohydrate Polymers 98, 331–340 (2013).

Editor/es:

ISBN:

Autores: Cambón, A.; Rey-Rico, A.; Barbosa, S.; Soltero, J.F.A.; Yeates, S.G.; Brea, J.; Loza, M.I.; Alvarez-Lorenzo, C.; Concheiro, A.; Taboada, P.; Mosquera, V.

Título: Poly(styrene oxide)-poly(ethylene oxide) block copolymers: From “classical” chemotherapeutic nanocarriers to active cell-response inducers.

REF: Journal of Controlled Release 167, 68–75 (2013).

Editor/es:

ISBN:

Autores: Garcia-Fernandez, M.J.; Brackman, G.; Coenye, T.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Antiseptic cyclodextrin-functionalized hydrogels and gauzes for loading and delivery of benzalkonium chloride.

REF: Biofouling 29, 261-271 (2013).

Editor/es:

ISBN:

Autores: Blanco-Fernandez, B.; Rial-Hermida, M.I.; Alvarez-Lorenzo, C.; Concheiro, A.

Título: Edible Chitosan/Acetylated Monoglyceride Films for Prolonged Release of Vitamin E and Antioxidant Activity.

REF: Journal of Applied Polymer Science 129, 626-635 (2013).

Editor/es:

ISBN:

Autores: Dias, A.M.A.; Rey-Rico, A.; Oliveira, R.A.; Marceneiro, S.; Alvarez-Lorenzo, C.; Concheiro, A.; Júnior, R.N.C.; Braga, M.E.M.; de Sousa, H.C.

Título: Wound dressings loaded with an anti-inflammatory jucá (*Libidibia ferrea*) extract using supercritical carbon dioxide technology.

REF: The Journal of Supercritical Fluids 74, 34– 45 (2013).

Editor/es:

ISBN:

Autores: Ribeiro, A.; Sandez-Macho, I.; Casas, M.; Alvarez-Perez, S.; Alvarez-Lorenzo, C.; Concheiro, A.

Título: Poloxamine micellar solubilization of α -tocopherol for topical ocular treatment.

REF: Colloids and Surfaces B: Biointerfaces 103, 550–557 (2013).

Editor/es:

ISBN:

Autores: Cambon, A.; Rey-Rico, A.; Mistry, D.; Brea, J.; Loza, M.I.; Attwood, D.; Barbosa, S.; Alvarez-Lorenzo, C.; Concheiro, A.; Taboada, P.; Mosquera, V.

Título: Doxorubicin-loaded micelles of reverse poly(butylene oxide)–poly(ethylene oxide)–poly(butylene oxide) block copolymers as efficient “active” chemotherapeutic agents.

REF: International Journal of Pharmaceutics 445, 47– 57 (2013).

Editor/es:

ISBN:

Autores: Moya-Ortega, M.D.; Alves, T.F.G.; Alvarez-Lorenzo, C.; Concheiro, A.; Stefánsson, E.; Thorsteinsdóttir, M.; Loftsson, T.

Título: Dexamethasone eye drops containing β -cyclodextrin-based nanogels.

REF: International Journal of Pharmaceutics 441, 507–515 (2013).

Editor/es:

ISBN:

Autores: Goyanes, A.; Souto, C.; Martínez-Pacheco, R.

Título: Chitosan-kaolin coprecipitate as disintegrant in microcrystalline cellulose based pellets elaborated by extrusion-spheronization.

REF: Pharmaceutical Development and Technology 18, 137–145 (2013).

Editor/es:

ISBN:

Autores: Lima, A.C.; Custodio, C.A.; Alvarez-Lorenzo, C.; Mano, J.F.

Título: Biomimetic Methodology to Produce Polymeric Multilayered Particles for Biotechnological and Biomedical Applications.

REF: Small 9, 2487–2492 (2013).

Editor/es:

ISBN:

Autores: Brasa Arias B.; Landin M.

Título: El trabajo de las mujeres voluntarias en el Laboratorio de Farmacia Militar de Santiago de Compostela (1936-1939).

Libro: As mulleres na historia de Galicia. Actas do I Encontro Interdisciplinar de Historia de Xénero.

Editor/es: García Fernández M., Cernadas Martínez S., Ballesteros Fernández A.

Pags.: 1-14

Ed.: Andavira Editora S.L, Santiago de Compostela, Spain

ISBN: 978-84-8408-647-5

Autores: Alvarez-Lorenzo, C.

Título: La naturaleza como modelo en el desarrollo de medicamentos. Procedimientos bioinspirados y sistemas biomiméticos.

Editor/es:

Pags.: 48

Ed.: Universidad de Santiago de Compostela

ISBN: Depósito legal C376-2012

Autores: Garcia-Sabina, A.; Gonzalez-Lopez, M.; Martinez Pacheco, R.

Título: ¿Por qué un manual de interacciones de warfarina y acenocumarol? Metodología para la elaboración de la guía: selección, descripción y evaluación de las interacciones AVK con fármacos y con productos naturales.

Libro: Interacciones de los antagonistas de la vitamina K. Manual para profesionales.

Editor/es: Garcia-Sabina, A.; Martinez Pacheco, R.

Pags.: 8-10

Ed.: Medilogic Publicaciones

ISBN: 978-84-936524-0-1

Autores: Alvarez-Lorenzo, C.; Concheiro, A.

Título: Ocular Drug Delivery from Nanostructured Contact Lenses.

Libro: Nanostructured Biomaterials for Overcoming Biological Barriers.

Editor/es: Maria Jose Alonso , Noemi S. Csaba

Pags.: 205-236

Ed.: The Royal Society of Chemistry, UK (2012).
ISBN: 978-1-84973-363-2

Autores: Lallana, E.; Ferreri, T.; Carroccio, S.C.; Puga, A.M.; Tirelli, N.

Título: End-group rearrangements in poly(propylene sulfide) matrix-assisted laser desorption/ionization time-of-flight analysis. Experimental evidence and possible mechanisms.

REF: Rapid Communications Mass Spectrometry 26, 2158–2164 (2012).

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C.; Puga, A.M.; Concheiro, A.

Título: Nanostructures and Nanostructured Networks for Smart Drug Delivery.

Libro: Biomimetic Approaches for Biomaterials Development.

Editor/es: Mano, J.F.

Pags.: 417-458

Ed.: Weinheim, Germany (2012).

ISBN: 978-3-527-32916-8

Autores: Molina, E.; Sobarzo-Sánchez, E.; Speck-Planche, A.; Matos, M.J.; Uriarte, E.; Santana, L.; Yañez, M.; Orallo, F.

Título: Monoamino Oxidase A: an interesting pharmacological target for the development of multi-target QSAR.

REF: Mini-Reviews in Medicinal Chemistry 12, 947-958 (2012).

Editor/es:

ISBN:

Autores: Soares-Sobrinho, J.L.; Santos, F.L.A.; Lyra, M.A.M.; Alves, L.D.S.; Rolim, L.A.; Lima, A.A.N.; Nunes, L.C.C.; Soares, M.F.R.; Rolim-Neto, P.J.; Torres-Labandeira, J.J.

Título: Benzimidazole drug delivery by binary and multicomponent inclusion complexes using cyclodextrins and polymers.

REF: Carbohydrate Polymers 89, 323-330 (2012).

Editor/es:

ISBN:

Autores: Sobarzo-Sanchez, E.; Gonzalez Soto, P.; Valdes Rivera, C.; Sanchez, G.; Hidalgo, M.E.

Título: Applied Biological and Physicochemical Activity of Isoquinoline Alkaloids: Oxoisoporphine and Boldine.

REF: Molecules 17, 10958-10970 (2012).

Editor/es:

ISBN:

Autores: Gonzalez-Chomon, C.; Braga, M.E.M.; de Sousa, H.C.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Antifouling foldable acrylic IOLs loaded with norfloxacin by aqueous soaking and by supercritical carbon dioxide technology.

REF: European Journal of Pharmaceutics and Biopharmaceutics 82, 383–391 (2012).

Editor/es:

ISBN:

Autores: Cunha-Filho, M.S.S.S.; Martinez-Pacheco, R.; Landin, M.

Título: Fast dissolving β -lapachone particles and tablets: an approach using surface adsorption technique.

REF: Drug Development and Industrial Pharmacy 38, 866–871 (2012).

Editor/es:

ISBN:

Autores: Moya-Ortega, M.D.; Alvarez-Lorenzo, C.; Sigurdsson, H.H.; Concheiro, A.; Loftsson, T.

Título: Cross-linked hydroxypropyl- β -cyclodextrin and β -cyclodextrin nanogels for drug delivery: Physicochemical and loading/release properties

REF: Carbohydrate Polymers 87, 2344– 2351 (2012)

Editor/es:

ISBN:

Autores: Ramirez-Jimenez, A.; Alvarez-Lorenzo, C.; Concheiro, A.; Bucio, E.

Título: Radiation-grafting of 2-hydroxyethylmethacrylate and oligo (ethylene glycol) methyl ether methacrylate onto polypropylene films by one step method

REF: Radiation Physics and Chemistry 81, 27–32 (2012)

Editor/es:

ISBN:

Autores: Simoes, S.M.N.; Veiga, F.; Torres-Labandeira, J.J.; Ribeiro, A.C.F.; Sandez-Macho, M.I.; Concheiro, A.

Título: Syringeable Pluronic- β -cyclodextrin supramolecular gels for sustained delivery of vancomycin

REF: European Journal of Pharmaceutics and Biopharmaceutics 80, 103–112 (2012)

Editor/es:

ISBN:

Autores: García Sabina, A.; González López, M.; Martínez Pacheco, R.

Título: Seguridad del haba tonka

REF: Gaceta Sanitaria 26, 193–194 (2012)

Editor/es:

ISBN:

Autores: Nogueiras-Nieto, L.; Sobarzo-Sanchez, E.; Gomez-Amoza, J.L.; Otero-Espinar, F.J.

Título: Competitive displacement of drugs from cyclodextrin inclusion complex by polypseudorotaxane formation with poloxamer: Implications in drug solubilization and delivery

REF: European Journal of Pharmaceutics and Biopharmaceutics 80, 585–595 (2012)

Editor/es:

ISBN:

Autores: Muñoz-Muñoz, F.; Ruiz, J.C.; Alvarez-Lorenzo, C.; Concheiro, A.; Bucio, E.

Título: Temperature- and pH-sensitive interpenetrating polymer networks grafted on PP: Cross-linking irradiation dose as a critical variable for the performance as vancomycin-eluting systems

REF: Radiation Physics and Chemistry 81, 531–540 (2012)

Editor/es:

ISBN:

Autores: Ribeiro, A.; Veiga, F.; Santos, D.; Torres-Labandeira, J.J.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Hydrophilic acrylic hydrogels with built-in or pendant cyclodextrins for delivery of anti-glaucoma drugs

REF: Carbohydrate Polymers 88, 977– 985 (2012)

Editor/es:

ISBN:

Autores: Puga, A. M.; Rey-Rico, A.; Magariños, B.; Alvarez-Lorenzo, C.; Concheiro, A.

Título: Hot melt poly- ϵ -caprolactone/poloxamine implantable matrices for sustained delivery of ciprofloxacin

REF: Acta Biomaterialia 8, 1507–1518 (2012)

Editor/es:

ISBN:

Autores: Cunha-Filho, M.S.S.; Alvarez-Lorenzo, C.; Martinez-Pacheco, R.; Landin, M.

Título: Temperature-Sensitive Gels for Intratumoral Delivery of ϵ -Lapachone: Effect of Cyclodextrins and Ethanol

REF: Scientific World Journal, Volume 2012, Article ID 126723, 8 pags. (2012)

Editor/es:

ISBN:

Autores: Diaz-Rodriguez, P.; Landin, M.

Título: Smart design of intratumoral thermosensitive ϵ -lapachone hydrogels by Artificial Neural Networks

REF: International Journal of Pharmaceutics 433, 112-118 (2012)

Editor/es:

ISBN:

Autores: Ribeiro, A.; Sosnik, A.; Chiappetta, D.A.; Veiga, F.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Single and mixed poloxamine micelles as nanocarriers for solubilization and sustained release of ethoxzolamide for topical glaucoma therapy

REF: Journal of the Royal Society Interface 9, 2059-2069 (2012)

Editor/es:

ISBN:

Autores: Garcia-Fernandez, M.J.; Martinez-Calvo, L.; Ruiz, J.C.; Wertheimer, M. R.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Loading and Release of Drugs from Oxygen-rich Plasma Polymer Coatings

REF: Plasma Processes and Polymer 9, 540-549 (2012)

Editor/es:

ISBN:

Autores: Landin, M.; Rowe, R.C.; York, P.

Título: Establishing and analysing the design space in the development of direct compression formulations by gene expression programming

REF: International Journal of Pharmaceutics 434, 35-42 (2012)

Editor/es:

ISBN:

Autores: Moya-Ortega, M.D.; Alvarez-Lorenzo, C.; Concheiro, A.; Loftsson, T.

Título: Cyclodextrin-based nanogels for pharmaceutical and biomedical applications

REF: International Journal of Pharmaceutics 428, 152-163 (2012)

Editor/es:

ISBN:

Autores: P Pérez-Piñeiro, J. Gago, M. Landin y P.P. Gallego

Título: Agrobacterium-Mediated Transformation of Wheat: General Overview and New Approaches to Model and Identify the Key Factors Involved

Libro: Transgenic Plants - Advances and Limitations.

Editor/es: Yelda Özden Çiftçi

Pags.: 3-26

Ed.: InTech Open Access Publisher, Rijeka-Croatia (2012)

ISBN: 978-953-51-0181-9

Autores: Garcia-Sabina, A.; Gulin-Davila, J.; Sempere-Serrano, P.; González-Juanatey, C.; Martinez-Pacheco, R.

Título: Consideraciones específicas en la prescripción e intercambio terapéutico de estatinas

REF: Farmacia Hospitalaria 36, 97-108 (2012)

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C., Moya-Ortega, M.D., Loftsson, T., Concheiro, A., Torres-Labandeira, J.J.

Título: Cyclodextrin-based hydrogels.

Libro: Cyclodextrins in Pharmaceuticals, Cosmetics and Biomedicine: Current and Future Industrial Applications

Editor/es: Bilensoy, E.

Pags.: 297-321

Ed.: John Wiley & Sons, USA.

ISBN: 9780470474228

Autores: Bucio, E.; Contreras-García, A.; Meléndez-Ortiz, H.I.; Muñoz-Muñoz, F.D.; Alvarez-Lorenzo, C.; Concheiro A.

Título: Smart polymers for biomedical applications and graft synthesis by g-rays.

Libro: Smart Polymeric Materials for Biomedical Applications

Editor/es: Li, S.; Tiwari, A.; Prabakaran, M.; Aryal, S.

Pags.: 277-306

Ed.: Novapublishers. Wisconsin, USA.

ISBN: 9781608761920

Autores: Alvarez-Lorenzo, C.; Sosnik, A.; Concheiro, A.

Título: PEO-PPO block copolymers for passive micellar targeting and overcoming multidrug resistance in cancer therapy

REF: Current Drug Targets 12, 1112-1130 (2011)

Editor/es:

ISBN:

Autores: Yañez, F.; Martikainen, L.; Braga, M.E.; Alvarez-Lorenzo, C.; Concheiro, A.; Duarte, C.M.; Gil, M.H.; de Sousa, H.C.

Título: Supercritical fluid-assisted preparation of imprinted contact lenses for drug delivery

REF: Acta Biomaterialia 7, 1019-1030 (2011)

Editor/es:

ISBN:

Autores: Contreras-García, A.; Alvarez-Lorenzo, C.; Taboada, C.; Concheiro, A.; Bucio, E.

Título: Stimuli-responsive networks grafted onto polypropylene for the sustained delivery of NSAIDs

REF: Acta Biomaterialia 7, 996-1008 (2011)

Editor/es:

ISBN:

Autores: Contreras-García, A.; Bucio, E.; Brackmanc, G.; Coenyec, T.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Biofilm inhibition and drug-eluting properties of novel DMAEMA-modified polyethylene and silicone rubber surfaces

REF: Biofouling 27, 123–135 (2011)

Editor/es:

ISBN:

Autores: Rey-Rico, A.; Silva, M.; Couceiro, J.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Osteogenic efficiency of in situ gelling poloxamine systems with and without bone morphogenetic protein-2

REF: European Cells and Materials 21, 317-340 (2011)

Editor/es:

ISBN:

Autores: Diaz-Rodriguez, P.; Landin, M.; Rey-Rico, A.; Couceiro, J.; Coenye, T.; Gonzalez, P.; Serra, J.; Lopez-Alvarez, M.; Leon, B.

Título: Bio-inspired porous SiC ceramics loaded with vancomycin for preventing MRSA infections

REF: Journal of Materials Science: Materials in Medicine 22, 339-347 (2011)

Editor/es:

ISBN:

Autores: Gallego, P.P.; Gago, J.; Landin, M.

Título: Artificial Neural Networks Technology to Model and Predict Plant Biology Process.

Libro: Artificial Neural Networks - Methodological Advances and Biomedical Applications

Editor/es: Suzyki, K.

Pags.: 197- 216

Ed.: InTech Open Access Publisher, Croatia (2011).

ISBN:

Autores: Brasa Arias, B.; Landin Perez, M.

Título: Séjours d'études de professeurs et d'élèves de la Faculté de pharmacie de Saint-Jacques-de-Compostelle (Espagne) à Paris (1900-1936)

REF: Revue d'Histoire de la Pharmacie 371, 319-336 (2011)

Editor/es:

ISBN:

Autores: Gonzalez-Chomon, C.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Drug-Eluting Intraocular Lenses

REF: Materials 4, 1927-1940 (2011)

Editor/es:

ISBN:

Autores: Goyanes, A.; Souto, C.; Martínez-Pacheco, R.

Título: A comparison of chitosan-silica and sodium starch glycolate as disintegrants for spheronized extruded microcrystalline cellulose pellets

REF: Drug Development and Industrial Pharmacy 37, 825-831 (2011)

Editor/es:

ISBN:

Autores: Cunha-Filho, M.S.S.; Estevez-Braun, A.; Perez-Sacau, E.; Echezarreta-Lopez, M.M.; Martinez-Pacheco, R.; Landin, M.

Título: Light effect on the stability of γ -lapachone in solution: pathways and kinetics of degradation

REF: Journal of Pharmacy and Pharmacology 63, 1156-1160 (2011)

Editor/es:

ISBN:

Autores: Gago, J.; Perez-Tornero, O.; Landin, M; Burgos, L.; Gallego, P.P.

Título: Improving knowledge of plant tissue culture and media formulation by neurofuzzy logic: A practical case of data mining using apricot databases

REF: Journal of Plant Physiology 168, 1858-1865 (2011)

Editor/es:

ISBN:

Autores: Brasa Arias, B.; Landin Perez, M.

Título: El trabajo de las mujeres voluntarias en el Laboratorio de Farmacia Militar de Santiago de Compostela (1936-1939)

REF: Sanidad Militar 67 (suplemento 1), 131-134 (2011)

Editor/es:

ISBN:

Autores: Garcia-Sabina, A.; Rabuñal Rey, R.; Martinez-Pacheco, R.

Título: Revisión sobre el uso de medicamentos en condiciones no incluidas en su ficha técnica

REF: Farmacia Hospitalaria 35, 264-277 (2011)

Editor/es:

ISBN:

Autores: Lorenzo, R.A.; Carro, A.M.; Alvarez-Lorenzo, C.; Concheiro, A.

Título: To Remove or Not to Remove? The Challenge of Extracting the Template to Make the Cavities Available in Molecularly Imprinted Polymers (MIPs)

REF: International Journal of Molecular Sciences 12, 4327-4347 (2011)

Editor/es:

ISBN:

Autores: Lima, A.C.; Song, W.; Blanco-Fernandez, B.; Alvarez-Lorenzo, C.; Mano, J.F.

Título: Synthesis of Temperature-Responsive Dextran-MA/PNIPAAm Particles for Controlled Drug Delivery Using Superhydrophobic Surfaces

REF: Pharmaceutical Research, 1294-1305 (2011)

Editor/es:

ISBN:

Autores: Blanco-Fernandez, B.; Lopez-Viota, M.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Synergistic performance of cyclodextrin-agar hydrogels for ciprofloxacin delivery and antimicrobial effect

REF: Carbohydrate Polymers 85, 765-774 (2011).

Editor/es:

ISBN:

Autores: Contreras-Garcia, A.; Bucio, E.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Surface functionalization of polypropylene devices with hemocompatible DMAAm and NIPAAm grafts for norfloxacin sustained release

REF: Journal of Bioactive and Compatible Polymers 26, 405-419 (2011)

Editor/es:

ISBN:

Autores: Lago, M.A.; Grinberg, V.Y.; Burova, T.V.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Ionic and Polyampholyte N-Isopropylacrylamide-Based Hydrogels Prepared in the Presence of Imprinting Ligands: Stimuli-Responsiveness and Adsorption/Release Properties

REF: Journal of Functional Biomaterials 2, 373-390 (2011)

Editor/es:

ISBN:

Autores: Gonzalez-Díaz, H.; Prado-Prado, F.; Sobarzo-Sanchez, E.; Haddad, M.; Maurel Chevalley, S.; Valentin, A.; Quetin-Leclercq, J.; Dea-Ayuela, M.A.; Gomez-Muños, M.T.; Munteanu, C.R.; Torres-Labandeira, J.J.; García-Mera, X.; Tapia, R.A.; Ubeira, F.M.

Título: NL MIND-BEST: a web server for ligands & proteins discovery; theoretic-experimental study of proteins of Giardia lamblia and new compounds active against Plasmodium falciparum

REF: Journal of Theoretical Biology 276, 229-249 (2011)

Editor/es:

ISBN:

Autores: Folch-Cano, C.; Olea-Azar, C.; Sobarzo-Sánchez, E.; Alvarez-Lorenzo, C.; Concheiro, A.; Otero, F.; Jullian, C.

Título: Inclusion complex of 4-hydroxycoumarin with cyclodextrins and its characterization in aqueous solution

REF: Journal of Solution Chemistry 40, 1835-1846 (2011)

Editor/es:

ISBN:

Autores: García Sabina, A.; González López, M.; Martínez Pacheco, R.

Título: Haba tonka, gin tonic, Sintrom y cocina creativa: a des-proposito de un caso

REF: Gaceta Sanitaria 25, 342–344 (2011)

Editor/es:

ISBN:

Autores: Ribeiro, A.; Veiga, F.; Santos, D.; Torres-Labandeira, J.J.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Receptor-based biomimetic NVP/DMA contact lenses for loading/eluting carbonic anhydrase inhibitors

REF: Journal of Membrane Science 383, 60– 69 (2011)

Editor/es:

ISBN:

Autores: Ribeiro, A.; Veiga, F.; Santos, D.; Torres-Labandeira, J.J.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Bioinspired imprinted PHEMA-Hydrogels for ocular delivery of carbonic anhydrase inhibitor drugs

REF: Biomacromolecules 12, 701–709 (2011)

Editor/es:

ISBN:

Autores: Burova, T. V.; Grinberg, N. V.; Kalinina, E. V.; Ivanov, R. V.; Lozinsky, V. I.; Alvarez-Lorenzo, C.; Grinberg, V.Y.

Título: Thermoresponsive Copolymer Cryogel Possessing Molecular Memory: Synthesis, Energetics of Collapse and Interaction with Ligands

REF: Macromolecular Chemistry and Physics 212, 72-80 (2011)

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C

Título: Stimuli-Sensitive Materials for Drug Delivery

REF: Azom.com. The A to Z of Materials, Article ID 5895 (2011)

Editor/es:

ISBN:

Autores: Soares-Sobrinho, J.L. ; Soares, M.F.D.; Rolim-Neto, P.J.; Torres-Labandeira, J.J.

Título: Physicochemical study of solid-state benznidazole-cyclodextrin complexes

REF: Journal of Thermal Analysis and Calorimetry 106, 319–325 (2011)

Editor/es:

ISBN:

Autores: Nogueiras-Nieto L., Gomez-Amoza J.L., Delgado-Charro M.B., Otero-Espinar F.J.

Título: Hydration and N-acetyl-l-cysteine alter the microstructure of human nail and bovine hoof: Implications for drug delivery

REF: Journal of Controlled Release 156, 337-344 (2011)

Editor/es:

ISBN:

Autores: Goyanes, A.; Souto, C.; Martínez-Pacheco, R.

Título: Co-processed MCC-Eudrogit® E excipients for extrusion-spheronization

REF: European Journal of Pharmaceutics and Biopharmaceutics 79, 658-663 (2011)

Editor/es:

ISBN:

Autores: Prado-Prado, F.; García-Mera, X.; Escobar, M.; Sobarzo-Sánchez, E.; Yañez, M.; Ubeira, F.M.; Muiño Pose, L.; Riera-Fernandez, P.; González-Díaz, H.

Título: 2D MI-DRAGON: a new predictor for protein-ligands interactions and theoretic-experimental studies of US FDA drug-target network, oxoisoaporphine inhibitors for MAO-A and Human parasite proteins

REF: European Journal of Medicinal Chemistry 46, 5838-5851 (2011)

Editor/es:

ISBN:

Autores: Soares-Sobrinho, J.L.; Santos, F.L.A.; Lyra, M.A.M.; Alves, L.D.S.; Rolim, L.A.; Lima, A.A.N.; Nunes, L.C.C.; Soares, M.F.R.; Rolim-Neto, P.J.; Torres-Labandeira, J.J.

Título: Benznidazole drug delivery by binary and multicomponent inclusion complexes using cyclodextrins and polymers

REF: Carbohydrate Polymers 89, 323-330 (2011)

Editor/es:

ISBN:

Autores: Gonzalez-Lopez, J.; Sandez-Macho, I.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Poloxamines and Poloxamers as Polymeric Micellar Carriers for Simvastatin: Interactions at the Air-Water Interface and in Bulk Solution

REF: The Journal of Physical Chemistry C 114, 1181-1189 (2010)

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C.; Rey-Rico, A.; Sosnik, A.; Taboada, P.; Concheiro, A.

Título: Poloxamine-based nanomaterials for drug delivery

REF: Frontiers in Bioscience E2, 424-440 (2010)

Editor/es:

ISBN:

Autores: Goy-Lopez, S.; Taboada, P.; Cambon, A.; Juarez, J.; Alvarez-Lorenzo, C.; Concheiro, A. ; Mosquera, V.

Título: Modulation of size and shape of Au nanoparticles using amino-X-shaped poly(ethylene oxide)-poly(propylene oxide) block copolymers

REF: Journal of Physical Chemistry B 114, 66-76 (2010)

Editor/es:

ISBN:

Autores: Landin, M.; Echezarreta, M.M.

Título: Galactomannans: Old and New Pharmaceutical Excipients

Libro: Polysaccharides: Development, Properties and Applications

Editor/es:

Pags.: 477-501

Ed.: Tiwari, A. (Ed.). Nova Science Publishers Inc., New York (2010)

ISBN:

Autores: Nava-Ortiz, C.A.B.; Burillo, G.; Concheiro, A.; Bucio, E.; Matthijs, N.; Nelis, H.; Coenye, T. ; Alvarez-Lorenzo, C.

Título: Cyclodextrin-functionalized biomaterials loaded with miconazole prevent Candida albicans biofilm formation in vitro

REF: Acta Biomaterialia 6, 1398-1404 (2010)

Editor/es:

ISBN:

Autores: Gago, J.; Martinez-Nuñez, L.; Landin, M.; Gallego, P.P.

Título: Artificial neural networks as alternative to the statistical traditional methodology in plant research

REF: Journal of Plant Physiology 167, 23-27 (2010)

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C.; Bucio, E.; Burillo, G.; Concheiro, A.

Título: Medical devices modified at the surface by γ -ray grafting for drug loading and delivery

REF: Expert Opinion on Drug Delivery 7, 173-185 (2010)

Editor/es:

ISBN:

Autores: Gomez-Carracedo, A.; Martinez-Pacheco, R.; Concheiro, A.; Gomez-Amoza, J.L.

Título: Modelling of porosity and waterfronts in cellulosic pellets for understanding drug release behavior

REF: International Journal of Pharmaceutics 388, 101-106 (2010)

Editor/es:

ISBN:

Autores: Contreras-García, A.; Alvarez-Lorenzo, C.; Concheiro, A.; Bucio, E.

Título: PP films grafted with N-isopropylacrylamide and N-(3-aminopropyl) methacrylamide by g radiation: synthesis and characterization

REF: Radiation Physics and Chemistry 79, 615-621 (2010)

Editor/es:

ISBN:

Autores: Gago, J.; Landin, M.; Gallego, P.P.

Título: Strengths of artificial neural networks in modelling complex plant processes

REF: Plant Signaling & Behavior 5:6, 1-3 (2010)

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C.; Rey-Rico, A.; Brea, J.; Loza, M.I.; Concheiro, A.; Sosnik, A.

Título: Inhibition of P-glycoprotein pumps by PEO-PPO amphiphiles: Branched versus linear derivatives

REF: Nanomedicine- Future Medicine 5, 1371-1383 (2010)

Editor/es:

ISBN:

Autores: Yañez, F.; Gomez-Amoza, J.L.; Magariños, B.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Hydrogels porosity and bacteria penetration: where is the pore size threshold?

REF: Journal of Membrane Science 365, 248-255 (2010)

Editor/es:

ISBN:

Autores: Yañez, F.; Chianella, I.; Piletsky, S.A.; Concheiro, A. ; Alvarez-Lorenzo, C.

Título: Computational modeling and molecular imprinting for the development of acrylic polymers with high affinity for bile salts

REF: Analytica Chimica Acta 659, 178-185 (2010)

Editor/es:

ISBN:

Autores: Moya-Ortega, M.D.; Alvarez-Lorenzo, C.; Sigurdsson, H.H.; Concheiro, A.; Loftsson, T.

Título: β -Cyclodextrin hydrogels and semi-interpenetrating networks for sustained delivery of dexamethasone

REF: Carbohydrate Polymers 80, 900–907 (2010)

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C.; Concheiro, A.

Título: Polymeric micelles as drug stabilizers: the camptothecin and simvastatin cases

REF: Journal of Drug Delivery Science and Technology 20, 249-257 (2010)

Editor/es:

ISBN:

Autores: Otero-Espinar, F.; Torres-Labandeira, J.J.; Alvarez-Lorenzo, C.; Blanco-Méndez, J.

Título: Cyclodextrins in drug delivery systems

REF: Journal of Drug Delivery Science and Technology 20, 289-301 (2010)

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C.; Yañez, F.; Concheiro, A.

Título: Ocular drug delivery from molecularly-imprinted contact lenses

REF: Journal of Drug Delivery Science and Technology 20, 237-248 (2010)

Editor/es:

ISBN:

Autores: Bromberg, I.; Chang, E.P.; Alvarez-Lorenzo, C.; Magariños, B.; Concheiro, A.; Hatton, T.A.

Título: Binding of Functionalized Paramagnetic Nanoparticles to Bacterial Lipopolysaccharides And DNA

REF: Langmuir 26, 8829-8835 (2010)

Editor/es:

ISBN:

Autores: Gago, J.; Landin, M.; Gallego, P.P.

Título: Artificial neural networks modeling the in vitro rhizogenesis and acclimatization of Vitis vinifera L

REF: Journal of Plant Physiology 167, 1226-1231 (2010)

Editor/es:

ISBN:

Autores: Chiappetta, D.A.; Alvarez-Lorenzo, C.; Rey-Rico, A.; Taboada, P.; Concheiro, A.; Sosnik, A.

Título: N-alkylation of poloxamines modulates micellar assembly and encapsulation and release of the antiretroviral efavirenz

REF: European Journal of Pharmaceutics and Biopharmaceutics 76, 24-37 (2010)

Editor/es:

ISBN:

Autores: Contreras-García, A.; Bucio, E.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Polypropylene grafted with NIPAAm and APMA for creating hemocompatible surfaces that load/elute nalidixic acid

REF: Reactive & Functional Polymers 70, 836–842 (2010)

Editor/es:

ISBN:

Autores: Casas, J. S.; Castaño, M.V.; Sanchez, A.; Sordo, J.; Torres, M.D.; Couce, M.D.; Gato, A.; Alvarez-Lorenzo, C.; Camiña, M.F.; Castellano, E.E.

Título: Interactions of Diorganolead(IV) with 3-(2-Thienyl)-2-sulfanylpropenoic Acid and/or Thiamine: Chemical and in Vitro and in Vivo Toxicological Results

REF: Inorganic Chemistry 49, 2173–2181 (2010)

Editor/es:

ISBN:

Autores: Rosa dos Santos, J.F.; Torres-Labandeira, J.J.; Matthijs, N.; Coenye, T.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Functionalization of acrylic hydrogels with α -, β - or γ -cyclodextrin modulates protein adsorption and antifungal delivery

REF: Acta Biomaterialia 6, 3919–3926 (2010)

Editor/es:

ISBN:

Autores: Goyanes A, Souto C, Martínez-Pacheco R.

Título: Control of drug release by incorporation of sorbitol or mannitol in microcrystalline-cellulose-based pellets prepared by extrusion-spheronization

REF: Pharmaceutical Development and Technology 15, 626-635 (2010)

Editor/es:

ISBN:

Autores: Alonso, L.; Martinez-Pacheco, R.; Gomez-Amoza, J.L.

Título: SEM image analysis as a tool for the surface characterization of pharmaceutical pellets obtained by extrusion-spheronization

Libro: Microscopy: Science, Technology, Applications and Education

Editor/es:

Pags.: 293-298

Ed.: Mendez-Vilas, A.; Diaz, J. (Eds.). Formatex Research Center, Spain (2010)

ISBN:

Autores: Gomez-Amoza, J.L.; Martinez-Pacheco, R.

Título: Influence of microstructure on drug release from extrusion-spheronization pellets

REF: Journal of Drug Delivery Science and Technology 20, 319-325 (2010)

Editor/es:

ISBN:

Autores: Gago, J.; Landin, M.; Gallego, P.P.

Título: A neurofuzzy logic approach for modeling plant processes: A practical case of in vitro direct rooting and acclimatization of *Vitis vinifera* L.

REF: Plant Science 179, 241–249 (2010)

Editor/es:

ISBN:

Autores: Brasa Arias, B.; Sanmartín Míguez, S.; Landín, M.

Título: Contribución de la Facultad de Farmacia de Santiago de Compostela al desarrollo de la investigación científica española en el primer tercio del siglo XX (1900-1936)

REF: Asclepio. Revista de Historia de la Medicina y de la Ciencia 62, 93-118 (2010)

Editor/es:

ISBN:

Autores: Costa, V.P.; Braga, M.E.M.; Duarte, C.M.M.; Alvarez-Lorenzo, C.; Concheiro, A.; Gil, M.H.; de Sousa, H.C.

Título: Anti-glaucoma drug-loaded contact lenses prepared using supercritical solvent impregnation

REF: Journal of Supercritical Fluids 53, 165-173 (2010)

Editor/es:

ISBN:

Autores: Otero Espinar, F. J.; Alvarez Lorenzo, C.

Título: Adaptation of Biopharmaceutics and Pharmacokinetics to the EHEA in the new grade of Pharmacy at the University of Santiago de Compostela

REF: ARS Pharmaceutica 51 (supplement 2), 498-504 (2010)

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C.; Otero-Espinar, F.

Título: The students set their own exam: an opportunity for learning to learn

REF: ARS Pharmaceutica 51 (supplement 2), 494-497 (2010)

Editor/es:

ISBN:

Autores: Lopez-Montero, E.; Rosa dos Santos, J.F.; Torres-Labandeira, J.J.; Concheiro, A.; Alvarez-Lorenzo, C.

Título: Sertaconazole-Loaded Cyclodextrin–Polysaccharide Hydrogels as Antifungal Devices

REF: The Open Drug Delivery Journal 3, 1-9 (2009)

Editor/es:

ISBN:

Autores: Rosa dos Santos, J.F.; Alvarez-Lorenzo, C.; Silva, M.; Balsa, L.; Couceiro, J.; Torres-Labandeira, J.J.; Concheiro, A.

Título: Soft contact lenses functionalized with pendant cyclodextrins for controlled drug delivery

REF: Biomaterials 30, 1348-1355 (2009)

Editor/es:

ISBN:

Autores: Muñoz-Muñoz, F.; Ruiz, J.C.; Alvarez-Lorenzo, C.; Concheiro, A.; Bucio, E.

Título: Novel interpenetrating smart polymer networks grafted onto polypropylene by gamma radiation for loading and delivery of vancomycin

REF: European Polymer Journal 45, 1859-1867 (2009)

Editor/es:

ISBN:

Autores: Nava-Ortiz, C.A.B; Burillo, G.; Bucio, E.; Álvarez-Lorenzo, C.

Título: Modification of polyethylene films by radiation grafting of glycidyl methacrylate and immobilization of β -cyclodextrin

REF: Radiation Physics and Chemistry 78, 19-24 (2009)

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C.; Bromberg, L.; Concheiro, A.

Título: Light-sensitive intelligent drug delivery systems

REF: Photochemistry and Photobiology 85, 848-860 (2009)

Editor/es:

ISBN:

Autores: Nogueiras-Nieto, L., Alvarez-Lorenzo, C., Sandez-Macho, I., Concheiro, A., Otero-Espinar, F.J.

Título: Hydrosoluble cyclodextrin/poloxamer polypseudorotaxanes at air/water interface, bulk solution and gel state

REF: The Journal of Physical Chemistry B 113, 2773-2782 (2009)

Editor/es:

ISBN:

Autores: Gomez-Carracedo, A.; Alvarez-Lorenzo, C.; Coca, R.; Martinez-Pacheco, R.; Concheiro, A.; Gomez-Amoza, J.L.

Título: Fractal analysis of SEM images and mercury intrusion porosimetry data for the microstructural characterization of microcrystalline cellulose-based pellets

REF: Acta Materialia 57, 295-303 (2009)

Editor/es:

ISBN:

Autores: Bromberg, L.; Raduyk, S.; Hatton, T.A.; Concheiro, A.; Rodriguez-Valencia, C.; Silva, M.; Alvarez-Lorenzo, C.

Título: Guanidinylated polyethyleneimine-polyoxyethylene-polyoxypropylene conjugates as gene transfection agents

REF: Bioconjugate Chemistry 20, 1044-1053 (2009)

Editor/es:

ISBN:

Autores: Landin, M.; Rowe, R.C.; York, P.

Título: Advantages of neurofuzzy logic against conventional experimental design and statistical analysis in studying and developing direct compression formulations

REF: European Journal of Pharmaceutical Sciences 38, 325-331 (2009)

Editor/es:

ISBN:

Autores: Nava-Ortiz, C.A.B.; Alvarez-Lorenzo, C.; Bucio, E.; Concheiro, A.; Burillo, G.

Título: Cyclodextrin-functionalized polyethylene and polypropylene as biocompatible materials for diclofenac delivery

REF: International Journal of Pharmaceutics 382, 183-191 (2009)

Editor/es:

ISBN:

Autores: Santoveña, A.; Alvarez-Lorenzo, C.; Concheiro, A.; Llabrés, M.; Concheiro, A.; Fariña, J.

Título: hGH release from directly compressed hGH-PLGA biodegradable implantable tablets: Influence of physicochemical factors

REF: European Polymer Journal 45, 2830-2838 (2009)

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C., Rosa dos Santos, J.F., Sosnik, A., Torres-Labandeira, J.J., Concheiro, A.

Título: Hydrogels with cyclodextrins as highly versatile drug delivery systems

Libro: Hydrogels: Properties, Preparation and Applications

Editor/es:

Pags.: 61-102

Ed.: Stein, D.B. (Ed.). Novapublishers, U.S.A. (2009)

ISBN:

Autores: Martinez-Pacheco, R.

Título: Nanocristales

Libro: Nanotecnología farmacéutica: Realidades y Posibilidades Farmacoterapéuticas

Editor/es:

Pags.: 201-221

Ed.: Vila-Jato, J.L. (Ed.). Real Academia de Farmacia, Madrid (2009)

ISBN:

Autores: Alvarez-Lorenzo, C., Concheiro, A., Sosnik, A.

Título: Poly(ethylene oxide)-poly(propylene oxide) block copolymer micelles and gels in drug delivery: State-of-the-art and future perspectives

Libro: Hydrogels: Properties, Preparation and Applications

Editor/es:

Pags.: 449-484

Ed.: Stein, D.B. (Ed.). Novapublishers, U.S.A. (2009)

ISBN:

Autores: Cunha-Filho, M.S.S.S.; Gonçalves, C.A.T.; Santos Soares, P.R.; Sa-Barreto, L. C.; Martinez-Pacheco, R.; Landin, M.

Título: Validation of analytical method and development of dissolution test for the antineoplastic β -lapachone

REF: Latin American Journal of Pharmacy 28, 805-811 (2009)

Editor/es:

ISBN:

Autores: Pereira de Souza, T.; Gomez-Amoza, J. L.; Martínez-Pacheco, R.; Petrovick, P. R.

Título: Development of granules from Phyllanthus niruri spray-dried extract

REF: Brazilian Journal of Pharmaceutical Sciences 45, 669-675 (2009)

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C., Chuang, J., Concheiro, A., Grosberg, A. Yu

Título: Imprinting using smart polymers

Libro: Smart polymers: Applications in Biotechnology and Biomedicine (2nd Edition)

Editor/es:

Pags.: 211-245.

Ed.: Galaev, I., Mattiason, B. (Ed.) CRC Boca Raton (2008)

ISBN:

Autores: Soares-Sobrinho, J. L.; Cunha-Filho, M. S. S.; Rolim Neto, P. J.; Torres-Labandeira, J. J.; Dacunha-Marinho, B.

Título: Benznidazole

REF: Acta Crystallographica Section E E64, o634.

Editor/es:

ISBN:

Autores: Cunha-Filho, M.S.S.; Martínez-Pacheco, R.; Landín, M.

Título: Dissolution rate enhancement of the novel antitumoral γ -lapachone by solvent change precipitation of microparticles

REF: European Journal of Pharmaceutics and Biopharmaceutics 69, 871-877 (2008).

Editor/es:

ISBN:

Autores: Mayo-Pedrosa, M.; Cachafeiro-Andrade, N.; Álvarez-Lorenzo, C.; Martínez-Pacheco, R.; Concheiro, A.

Título: In Situ Photopolymerization-Coated Pellets for pH-Dependent Drug Delivery

REF: European Polymer Journal 44, 2629-2638 (2008).

Editor/es:

ISBN:

Autores: Gómez-Carracedo, A.; Souto, C; Martínez-Pacheco, R.; Concheiro, A; Gómez-Amoza, J. L.

Título: Incidence of drying on microstructure and drug release profiles from tablets of MCC-lactose-Carbopol and MCC-dicalcium phosphate-Carbopol pellets

REF: European Journal of Pharmaceutics and Biopharmaceutics 69, 675-685 (2008).

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C., Concheiro, A.

Título: Intelligent drug delivery systems: polymeric micelles and hydrogels.

REF: Mini-Reviews in Medicinal Chemistry 8, 1065-1074 (2008).

Editor/es:

ISBN:

Autores: Álvarez-Mancenido, F.; Landín, M.; Lacik, I.; Martínez-Pacheco, R.

Título: Konjac glucomannan and konjac glucomannan/xanthan gum mixtures as excipients for controlled drug delivery systems. Diffusion of small drugs

REF: International Journal of Pharmaceutics 349, 11-18 (2008).

Editor/es:

ISBN:

Autores: Álvarez-Mancenido, F.; Landín, M.; Martínez-Pacheco, R.

Título: Konjac glucomannan/xanthan gum enzyme sensitive binary mixtures for colonic drug delivery

REF: European Journal of Pharmaceutics and Biopharmaceutics 69, 573-581 (2008).

Editor/es:

ISBN:

Autores: Álvarez-Lorenzo, C.; Concheiro-Nine, A.

Título: Lentes de contacto blandas medicadas

REF: Archivos de la Sociedad Española de Oftalmología 83, 73-74 (2008).

Editor/es:

ISBN:

Autores: Yáñez, F.; Concheiro, A.; Álvarez-Lorenzo, C.

Título: Macromolecule release and smoothness of semi-interpenetrating PVP-pHEMA networks for comfortable soft contact lenses

REF: European Journal of Pharmaceutics and Biopharmaceutics 69, 1094-1103 (2008).

Editor/es:

ISBN:

Autores: Fernández-Tarrío, M.; Yáñez, F.; Immesoete, K.; Álvarez-Lorenzo, C.; Concheiro, A.

Título: Pluronic and tetronic copolymers with polyglycolized oil as self-emulsifying drug delivery systems

REF: AAPS PharmSciTech 9, 471-479 (2008)

Editor/es:

ISBN:

Autores: Rosa Dos Santos, J.F.; Couceiro, R.; Concheiro, A.; Torres-Labandeira, J.J.; Álvarez-Lorenzo, C.

Título: Poly(hydroxyethyl methacrylate-co-methacrylated- β -cyclodextrin) hydrogels: Synthesis, cytocompatibility, mechanical properties and drug loading/release properties

REF: Acta Biomaterialia 4, 745-755 (2008)

Editor/es:

ISBN:

Autores: Ruiz, J.C.; Alvarez-Lorenzo, C.; Taboada, P.; Burillo, G.; Bucio, E.; De Prijck, K.; Nelis, H.J.; Coenye, T.; Concheiro, A.

Título: Polypropylene grafted with smart polymers (PNIPAAm/PAAc) for loading and controlled release of vancomycin

REF: European Journal of Pharmaceutics and Biopharmaceutics 70, 467-477 (2008).

Editor/es:

ISBN:

Autores: González-López, J.; Álvarez-Lorenzo, C.; Taboada, P.; Sosnik, A.; Sandez-Macho, I.; Concheiro, A.

Título: Self-Associative Behavior and Drug-Solubilizing Ability of Poloxamine (Tetronic) Block Copolymers

REF: Langmuir 24, 10688-10697 (2008)

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C., Concheiro, A.

Título: Stimuli-sensitive chitosan interpenetrating networks

Libro: Current Research and Developments on Chitin and Chitosan in Biomaterial Science

Editor/es:

Pags.: I, 211-245.

Ed.: Jayakumar, R.; Prahakaran. (Eds.) Research Signpost, Kerala, (2008).

ISBN:

Autores: Concheiro, A.

Título: Polímeros sensibles a estímulos. Nuevos materiales inteligentes para sistemas de liberación de medicamentos.

Editor/es:

Pags.: 71

Ed.: Universidad de Santiago de Compostela

ISBN: Depósito legal C 3779-2007

Autores: Figueiras, A.; Ribeiro, L.; Torres-Labandeira, J. J.; Veiga, F. J. B.

Título: Evaluation of host-guest complex formation between a benzimidazolic derivative and cyclodextrins by UV-VIS spectrophotometry and differential scanning calorimetry

REF: Journal of Inclusion Phenomena and Macrocyclic Chemistry 57, 531-535 (2007).

Editor/es:

ISBN:

Autores: Mayo-Pedrosa, M., Alvarez-Lorenzo, C., Lacík, I., Martinez-Pacheco, R., Concheiro, A.

Título: Sustained release pellets based on poly(N-isopropyl acrylamide): matrix and in situ photopolymerization-coated systems

REF: Journal of Pharmaceutical Sciences 96, 93-105 (2007).

Editor/es:

ISBN:

Autores: Andrade-Vivero, P.; Fernández-Gabriel, E.; Álvarez-Lorenzo, C.; Concheiro, A.

Título: Improving the loading and release of NSAIDs from pHEMA hydrogels by copolymerization with functionalized monomers

REF: Journal of Pharmaceutical Sciences 96, 802-813 (2007).

Editor/es:

ISBN:

Autores: Fernández-Tarrío, M.; Álvarez-Lorenzo, C.; Concheiro, A.

Título: Calorimetric approach to Tetronic/water interactions

REF: Journal of Thermal Analysis and Calorimetry 87, 171-178 (2007).

Editor/es:

ISBN:

Autores: Rodríguez-Tenreiro, C.; Álvarez-Lorenzo, C.; Rodríguez-Pérez, A.; Concheiro, A.; Torres-Labandeira, J. J.

Título: Estradiol sustained release from high affinity cyclodextrin hydrogels

REF: European Journal of Pharmaceutics and Biopharmaceutics 66, 55-62 (2007).

Editor/es:

ISBN:

Autores: Cunha-Filho, M. S. S.; Dacunha-Marinho, B.; Torres-Labandeira, J. J.; Martínez-Pacheco, R.; Landín, M.

Título: Characterization of β -lapachone and methylated β -cyclodextrin solid-state systems

REF: AAPS PharmSciTech 8, Article 60 (2007).

Editor/es:

ISBN:

Autores: Cunha-Filho, M. S. S.; Dacunha-Marinho, B.; Torres-Labandeira, J. J.; Martínez-Pacheco, R.; Landín, M.

Título: Characterization of β -lapachone and methylated β -cyclodextrin solid-state systems

REF: AAPS PharmSciTech 8, Article 60 (2007).

Editor/es:

ISBN:

Autores: Cunha-Filho, M. S. S.; Martínez-Pacheco, R.; Landín, M.

Título: Compatibility of the antitumoral β -lapachone with different solid dosage forms excipients

REF: Journal of Pharmaceutical and Biomedical Analysis 45, 590-598 (2007).

Editor/es:

ISBN:

Autores: Bromberg, L.; Hatton, T. A.; Barreiro-Iglesias, R.; Álvarez-Lorenzo, C.; Concheiro, A.

Título: Controlled Release Camptothecin Tablets based on Pluronic and Poly(acrylic acid) Copolymer. Effect of Fabrication Technique on Drug Stability, Tablet Structure, and Release Mode

REF: Drug Development and Industrial Pharmacy 33, 607-615 (2007).

Editor/es:

ISBN:

Autores: Bromberg, L.; Hatton, T. A.; Barreiro-Iglesias, R.; Álvarez-Lorenzo, C.; Concheiro, A.

Título: Controlled Release Camptothecin Tablets based on Pluronic and Poly(acrylic acid) Copolymer. Effect of Fabrication Technique on Drug Stability, Tablet Structure, and Release Mode

REF: Drug Development and Industrial Pharmacy 33, 607-615 (2007).

Editor/es:

ISBN:

Autores: Rodríguez-Tenreiro, C.; Díez-Bueno, L.; Concheiro, A.; Torres-Labandeira, J. J.; Álvarez-Lorenzo, C.

Título: Cyclodextrin/carbopol micro-scale interpenetrating networks (ms-IPNs) for drug delivery

REF: Journal of Controlled Release 123, 56-66 (2007).

Editor/es:

ISBN:

Autores: Pereira de Souza, T.; Martínez-Pacheco, R.; Gómez-Amoza, J. L.; Petrovick, P. R.

Título: Eudragit E as excipient for production of granules and tablets from Phyllanthus niruri L spray-dried extract

REF: AAPS PharmSciTech 8, Article 34 (2007).

Editor/es:

ISBN:

Autores: Gómez-Carracedo, A.; Souto, C; Martínez-Pacheco, R.; Concheiro, A; Gómez-Amoza, J. L.

Título: Microstructural and drug release properties of oven-dried and of slowly or fast frozen freeze-dried MCC-Carbopol pellets

REF: European Journal of Pharmaceutics and Biopharmaceutics 67, 236-245 (2007).

Editor/es:

ISBN:

Autores: Ramírez, H. L.; Valdivia, A.; Cao, R.; Fragoso, A.; Torres-Labandeira, J. J.; Banos, M.; Villalonga, R.

Título: Preparation of β -Cyclodextrin-Dextran Polymers and their Use as Supramolecular Carrier Systems for Naproxen

REF: Polymer Bulletin 59, 597-605 (2007).

Editor/es:

ISBN:

Autores: Rodríguez-Pérez, A.I.; Rodríguez-Tenreiro, C.; Álvarez-Lorenzo, C.; Concheiro, A.; Torres-Labandeira, J. J.

Título: Sertaconazole-hydroxypropyl- β -cyclodextrin-pluronic F127 solid inclusion complexes: characterization and effect on drug solubility

REF: Journal of Inclusion Phenomena and Macrocyclic Chemistry 57, 497-501 (2007)

Editor/es:

ISBN:

Autores: Figueiras, A.; Carvalho, R. A.; Ribeiro, L.; Torres-Labandeira, J.J.; Veiga, F. J. B.

Título: Solid-state characterization and dissolution profiles of the inclusion complexes of omeprazole with native and chemically modified β -cyclodextrin

REF: European Journal of Pharmaceutics and Biopharmaceutics 67, 531-539 (2007).

Editor/es:

ISBN:

Autores: Álvarez-Lorenzo, C.; Deshmukh, S.; Bromberg, L.; Hatton, T. A.; Sánchez-Macho, I.; Concheiro, A.

Título: Temperature- and Light-Responsive Blends of Pluronic F127 and Poly(N,N-dimethylacrylamide-co-methacryloyloxyazobenzene)

REF: Langmuir 23, 11475-11481 (2007).

Editor/es:

ISBN:

Autores: Álvarez-Lorenzo, C.; González-López, J.; Fernández-Tarrío, M.; Sánchez-Macho, I.; Concheiro, A.

Título: Tetronic micellization, gelation and drug solubilization: influence of pH and ionic strength

REF: European Journal of Pharmaceutics and Biopharmaceutics 66, 244-252 (2007).

Editor/es:

ISBN:

Autores: Martínez-Pacheco, R.

Título: Ingeniería de partículas: una herramienta innovadora en investigación y desarrollo de medicamentos.

Editor/es:

Pags.: 60

Ed.: Universidad de Santiago de Compostela

ISBN: Depósito legal VG-948-2006

Autores: Álvarez-Mancenido, F.; Braeckmans, K.; De Smedt, S. C.; Demeester, J.; Landín, M.; Martínez-Pacheco, R.

Título: Characterization of diffusion of macromolecules in konjac glucomannan solutions and gels by fluorescence recovery after photo bleaching technique

REF: International Journal of Pharmaceutics 316, 37-46 (2006).

Editor/es:

ISBN:

Autores: De Souza, T. P.; Gómez-Amoza, J. L.; Martínez-Pacheco, R.; Petrovick, P. R.

Título: Compression behavior of formulations from Phyllanthus niruri spray dried extract

REF: Pharmazie 61, 213-217 (2006).

Editor/es:

ISBN:

Autores: Cunha-Filho, M. S. S.; Landín, M.; Martínez-Pacheco, R.; Dacunha-Marinho, B.

Título: ? - Lapachone

REF: Crystal Structure Communications Acta Crystallographica C62, 473-475 (2006).

Editor/es:

ISBN:

Autores: Rodríguez-Tenreiro, C., Rodríguez-Perez, A., Alvarez-Lorenzo, C., Concheiro, A., Torres-Labandeira, J.J.

Título: New cyclodextrin hydrogels cross-linked with diglycidylethers with a high drug loading and controlled release ability

REF: Pharmaceutical Research 23, 121-130 (2006).

Editor/es:

ISBN:

Autores: Siemoneit, U.; Schmitt, C.; Álvarez-Lorenzo, C.; Luzardo, A.; Otero-Espinar, F.; Concheiro, A.; Blanco-Méndez, J.

Título: Acrylic/cyclodextrin hydrogels with enhanced drug loading and sustained release capability

REF: International Journal of Pharmaceutics 312, 66-74 (2006).

Editor/es:

ISBN:

Autores: Alvarez-Lorenzo, C., Concheiro, A.

Título: Molecularly imprinted gels and nano- and microparticles. Manufacture and applications

Libro: Smart Nano- and Microparticles, Kentus Books.

Editor/es:

Pags.: 7, 279-336

Ed.: Arshady, R. y Kono, K. (Ed.) MML Series, London (2006)

ISBN:

Autores: Alvarez-Lorenzo, C., Concheiro, A.

Título: Molecularly imprinted materials as advanced excipients for drug delivery systems

Libro: Biotechnology Annual Review, Elsevier.

Editor/es:

Pags.: 12, 225-268

Ed.: El-Gewely, M.R. (Ed.) Elsevier, Amsterdam (2006)

ISBN:

Autores: Álvarez-Lorenzo, C.; Yáñez, F.; Barreiro-Iglesias, R.; Concheiro, A.

Título: Imprinted soft contact lenses as norfloxacin delivery systems

REF: Journal of Controlled Release 113, 236-244 (2006).

Editor/es:

ISBN:

Autores: Rodríguez-Pérez, A. I.; Rodríguez-Tenreiro, C.; Álvarez-Lorenzo, C.; Taboada, P.; Concheiro, A.; Torres-Labandeira, J. J.

Título: Sertaconazole/ hydroxypropyl- β -cyclodextrin complexation: isothermal titration calorimetry and solubility approaches

REF: Journal of Pharmaceutical Sciences 95, 1751-1762 (2006).

Editor/es:

ISBN:

Autores: Rodríguez-Pérez, A. I.; Rodríguez-Tenreiro, C.; Álvarez-Lorenzo, C.; Concheiro, A.; Torres-Labandeira, J. J.

Título: Drug solubilization and delivery from cyclodextrin-Pluronic aggregates

REF: Journal of Nanoscience and Nanotechnology 6, 3179-3186 (2006).

Editor/es:

ISBN:

Autores: Álvarez-Lorenzo, C.; Hiratani, H.; Concheiro, A.

Título: Contact Lenses for Drug Delivery: Achieving Sustained Release With Novel Systems

REF: American Journal of Drug Delivery 4, 131-151 (2006).

Editor/es:

ISBN:

Autores: Ramírez, H. L.; Cao, R.; Fragoso, A.; Torres-Labandeira, J. J.; Dominguez, A.; Schacht, E. H.; Banos, M.; Villalonga, R.

Título: Improved anti-inflammatory properties for naproxen with cyclodextrin-grafted polysaccharides

REF: Macromolecular Bioscience 6, 555-561 (2006).

Editor/es:

ISBN:

Autores: Ramírez, H. L.; Valdivia, A.; Cao, R.; Torres-Labandeira, J. J.; Fragoso, A.; Villalonga, R.

Título: Cyclodextrin-grafted polysaccharides as supramolecular carrier systems for naproxen

REF: Bioorganic & Medicinal Chemistry Letters 16, 1499-1501 (2006).

Editor/es:

ISBN:

Autores: Fayazpour, F.; Lucas, B.; Álvarez-Lorenzo, C.; Sanders, N. N.; Demeester, J.; De Smedt, S. C.

Título: Physicochemical and transfection properties of cationic Hydroxyethylcellulose/DNA nanoparticles

REF: Biomacromolecules 7, 2856-2862 (2006).

Editor/es:

ISBN: