# Concepcion Domingo

List of Publications by Year
in descending order



| 140 | 4,119 | 109321 | 161849 |
|---|---|---|---|
| papers | citations | 35 h-index | 54 g-index |

| 140 | 140 | 140 | 4548 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Meso/microporous MOF@graphene oxide composite aerogels prepared by generic supercritical CO2 technology. Microporous and Mesoporous Materials, 2022, 335, 111825. | 4.4 | 9 |
| 2 | Supramolecular Isomerism in Cobalt(II) Coordination Polymers Built from 3,5-Bis(trifluoromethyl)benzoate and 4,4â€²-Bipyridine. Crystal Growth and Design, 2022, 22, 4463-4471. | 3.0 | 1 |
| 3 | Supramolecular Hydrogels Consisting of Nanofibers Increase the Bioavailability of Curcuminoids in Inflammatory Skin Diseases. ACS Applied Nano Materials, 2022, 5, 13829-13839. | 5.0 | 6 |
| 4 | Broadening the scope of high structural dimensionality nanomaterials using pyridine-based curcuminoids. Dalton Transactions, 2021, 50, 7056-7064. | 3.3 | 2 |
| 5 | Fully supercritical CO2 preparation of a nanostructured MOF composite with application in cutaneous drug delivery. Journal of Supercritical Fluids, 2021, 178, 105379. | 3.2 | 12 |
| 6 | HKUST-1 Metalâ€“Organic Framework Nanoparticle/Graphene Oxide Nanocomposite Aerogels for CO<sub>2</sub> and CH<sub>4</sub> Adsorption and Separation. ACS Applied Nano Materials, 2021, 4, 12712-12725. | 5.0 | 19 |
| 7 | Bacterial cellulose/graphene oxide aerogels with enhanced dimensional and thermal stability. Carbohydrate Polymers, 2020, 230, 115598. | 10.2 | 50 |
| 8 | Immobilization of BMP-2 and VEGF within Multilayered Polydopamine-Coated Scaffolds and the Resulting Osteogenic and Angiogenic Synergy of Co-Cultured Human Mesenchymal Stem Cells and Human Endothelial Progenitor Cells. International Journal of Molecular Sciences, 2020, 21, 6418. | 4.1 | 28 |
| 9 | Novel Zn(II) Coordination Polymers Based on the Natural Molecule Bisdemethoxycurcumin. Crystal Growth and Design, 2020, 20, 6555-6564. | 3.0 | 5 |
| 10 | Green and Solvent-Free Supercritical CO<sub>2</sub>-Assisted Production of Superparamagnetic Graphene Oxide Aerogels: Application as a Superior Contrast Agent in MRI. ACS Sustainable Chemistry and Engineering, 2020, 8, 4877-4888. | 6.7 | 11 |
| 11 | Tuning the Structure and Flexibility of Coordination Polymers via Solvent Control of Tritopic Triazine Conformation during Crystallization. Crystal Growth and Design, 2020, 20, 3304-3315. | 3.0 | 8 |
| 12 | Multi-layered polydopamine coatings for the immobilization of growth factors onto highly-interconnected and bimodal PCL/HA-based scaffolds. Materials Science and Engineering C, 2020, 117, 111245. | 7.3 | 39 |
| 13 | Single molecule magnets of cobalt and zinc homo- and heterometallic coordination polymers prepared by a one-step synthetic procedure. RSC Advances, 2020, 10, 45090-45104. | 3.6 | 8 |
| 14 | Polycaprolactone foams prepared by supercritical CO2 batch foaming of polymer/organic solvent solutions. Journal of Supercritical Fluids, 2019, 143, 146-156. | 3.2 | 24 |
| 15 | Controlled Selfâ€Assembly of Mesoporous CuO Networks Guided by Organic Interlinking. Particle and Particle Systems Characterization, 2019, 36, 1800453. | 2.3 | 1 |
| 16 | Modulatingp-hydroxycinnamate behavior as a ditopic linker or photoacid in copper(<scp>ii</scp>) complexes with an auxiliary pyridine ligand. Dalton Transactions, 2018, 47, 6479-6493. | 3.3 | 16 |
| 17 | Supercritical CO2 utilization for the crystallization of 2D metal-organic frameworks using tert-butylpyridine additive. Journal of CO2 Utilization, 2018, 24, 444-453. | 6.8 | 14 |
| 18 | Features of supercritical CO2 in the delicate world of the nanopores. Journal of Supercritical Fluids, 2018, 134, 204-213. | 3.2 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A Flexible Hydrogen Bonded Organic Framework That Reversibly Adsorbs Acetic Acid: Î³ Trimesic Acid. Crystal Growth and Design, 2018, 18, 6621-6626. | 3.0 | 10 |
| 20 | Crystalline Curcumin bioMOF Obtained by Precipitation in Supercritical CO<sub>2</sub> and Structural Determination by Electron Diffraction Tomography. ACS Sustainable Chemistry and Engineering, 2018, 6, 12309-12319. | 6.7 | 36 |
| 21 | Preparation and Characterization of Graphene Oxide Aerogels: Exploring the Limits of Supercritical CO<sub>2</sub> Fabrication Methods. Chemistry - A European Journal, 2018, 24, 15903-15911. | 3.3 | 15 |
| 22 | PCL-HA microscaffolds for in vitro modular bone tissue engineering. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 1865-1875. | 2.7 | 21 |
| 23 | Mechanism of drug release from silica-gelatin aerogelâ€"Relationship between matrix structure and release kinetics. Colloids and Surfaces B: Biointerfaces, 2017, 152, 229-237. | 5.0 | 60 |
| 24 | PCL foamed scaffolds loaded with 5-fluorouracil anti-cancer drug prepared by an eco-friendly route. Materials Science and Engineering C, 2017, 75, 1191-1197. | 7.3 | 29 |
| 25 | Supercritical CO 2 for the synthesis of nanometric ZIF-8 and loading with hyperbranched aminopolymers. Applications in CO 2 capture. Journal of CO2 Utilization, 2017, 18, 147-155. | 6.8 | 36 |
| 26 | Metalâ€"Organic Frameworks Precipitated by Reactive Crystallization in Supercritical CO<sub>2</sub>. Crystal Growth and Design, 2017, 17, 2864-2872. | 3.0 | 30 |
| 27 | Bottom-up approach for the preparation of hybrid nanosheets based on coordination polymers made of metalâ€"diethyloxaloacetate complexes linked by 4,4â€²-bipyridine. CrystEngComm, 2017, 19, 4972-4982. | 2.6 | 6 |
| 28 | Effect of the Pyridine Substituent on the Role of the Phenol Functional Group in [Cu(pOHBz)<sub>2</sub>(dPy)<sub>2</sub>] Complexes (pOHBz: pâ€Hydroxybenzoate, dPy=) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 1.5 | 1 |
| 29 | Binary supercritical CO 2 solvent mixtures for the synthesis of 3D metal-organic frameworks. Microporous and Mesoporous Materials, 2016, 234, 155-161. | 4.4 | 24 |
| 30 | Synthesis, crystal structure and magnetic properties of a Cu(II) paddle-wheel complex with mixed bridges. Inorganic Chemistry Communication, 2016, 71, 90-93. | 3.9 | 22 |
| 31 | Hollow Microcrystals of Copper Hexafluoroacetylacetonate-Pyridine Derivative Adducts via Supercritical CO<sub>2</sub> Recrystallization. Crystal Growth and Design, 2016, 16, 1725-1736. | 3.0 | 9 |
| 32 | Bio-safe processing of polylactic-co-caprolactone and polylactic acid blends to fabricate fibrous porous scaffolds for in vitro mesenchymal stem cells adhesion and proliferation. Materials Science and Engineering C, 2016, 63, 512-521. | 7.3 | 19 |
| 33 | Lead(II) fluoride particles synthesized by a straightforward mechanochemical route. Materials Letters, 2016, 163, 76-80. | 2.6 | 3 |
| 34 | Hybrid aminopolymerâ€"silica materials for efficient CO<sub>2</sub>adsorption. RSC Advances, 2015, 5, 104943-104953. | 3.6 | 22 |
| 35 | Supercritical CO 2 foamed polycaprolactone scaffolds for controlled delivery of 5-fluorouracil, nicotinamide and triflusal. International Journal of Pharmaceutics, 2015, 496, 654-663. | 5.2 | 33 |
| 36 | Surface Morphology, Crystallinity, and Hydrophilicity of Poly(Îµâ€caprolactone) Films Prepared Via Casting of Ethyl Lactate and Ethyl Acetate Solutions. Macromolecular Chemistry and Physics, 2015, 216, 49-58. | 2.2 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Bio-safe fabrication of PLA scaffolds for bone tissue engineering by combining phase separation, porogen leaching and scCO2 drying. Journal of Supercritical Fluids, 2015, 97, 238-246. | 3.2 | 55 |
| 38 | Pore structure properties of scaffolds constituted by aggregated microparticles of PCL and PCL-HA processed by phase separation. Journal of Porous Materials, 2015, 22, 425-435. | 2.6 | 25 |
| 39 | Analysis of CO<sub>2</sub> Adsorption in Amine-Functionalized Porous Silicas by Molecular Simulations. Energy & Fuels, 2015, 29, 3855-3862. | 5.1 | 36 |
| 40 | Study of the morphology and texture of poly(Îµ-caprolactone)/polyethylene oxide blend films as a function of composition and the addition of nanofillers with different functionalities. RSC Advances, 2015, 5, 59354-59363. | 3.6 | 4 |
| 41 | Supercritical CO2 antisolvent precipitation from biocompatible polymer solutions: A novel sustainable approach for biomaterials design and fabrication. Journal of Supercritical Fluids, 2015, 105, 9-20. | 3.2 | 4 |
| 42 | Hybrid aerogel preparations as drug delivery matrices for low water-solubility drugs. International Journal of Pharmaceutics, 2015, 496, 360-370. | 5.2 | 51 |
| 43 | Impact of solvents and supercritical CO2 drying on the morphology and structure of polymer-based biofilms. , 2014, , . | | 0 |
| 44 | A novel solventless coating method to graft low-molecular weight polyethyleneimine on silica fine powders. Journal of Polymer Science Part A, 2014, 52, 2760-2768. | 2.3 | 9 |
| 45 | Macroporous and nanometre scale fibrous PLA and PLAâ€“HA composite scaffolds fabricated by a bio safe strategy. RSC Advances, 2014, 4, 61491-61502. | 3.6 | 21 |
| 46 | Chemical modification of nanometric TiO2 particles by anchoring functional silane molecules in supercritical CO2. Applied Surface Science, 2014, 296, 114-123. | 6.1 | 11 |
| 47 | Regenerable solid CO2 sorbents prepared by supercritical grafting of aminoalkoxysilane into low-cost mesoporous silica. Journal of Supercritical Fluids, 2014, 85, 68-80. | 3.2 | 31 |
| 48 | Lowâ€temperature clean preparation of poly(lactic acid) foams by combining ethyl lactate and supercritical <scp>CO<sub>2</sub></scp>: correlation between processing and foam pore structure. Polymer International, 2014, 63, 1303-1310. | 3.1 | 11 |
| 49 | Solution processable titanium dioxide precursor and nanoparticulated ink: Application in Dye Sensitized Solar Cells. Journal of Colloid and Interface Science, 2014, 416, 112-118. | 9.4 | 10 |
| 50 | Making microporous nanometre-scale fibrous PLA aerogels with clean and reliable supercritical CO2 based approaches. Microporous and Mesoporous Materials, 2014, 184, 162-168. | 4.4 | 32 |
| 51 | The effect of ethyl-lactate and ethyl-acetate plasticizers on PCL and PCLâ€“HA composites foamed with supercritical CO2. Journal of Supercritical Fluids, 2014, 95, 394-406. | 3.2 | 34 |
| 52 | Understanding the Performance of New Amine-Functionalized Mesoporous Silica Materials for CO<sub>2</sub> Adsorption. Industrial & Engineering Chemistry Research, 2014, 53, 15611-15619. | 3.7 | 25 |
| 53 | Preparation and study of naproxen in silica and lipid/polymer hybrid composites. RSC Advances, 2014, 4, 7084. | 3.6 | 5 |
| 54 | Compressed antisolvent process for polymer coating of drug-loaded aerogel nanoparticles and study of the release behavior. Colloid and Polymer Science, 2014, 292, 2475-2484. | 2.1 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Solid-state foaming of biodegradable polyesters by means of supercritical CO2/ethyl lactate mixtures: Towards designing advanced materials by means of sustainable processes. European Polymer Journal, 2014, 51, 1-11. | 5.4 | 36 |
| 56 | A novel bio-safe phase separation process for preparing open-pore biodegradable polycaprolactone microparticles. Materials Science and Engineering C, 2014, 42, 102-110. | 7.3 | 15 |
| 57 | CO2 capture efficiency and carbonation/calcination kinetics of micro and nanosized particles of supercritically precipitated calcium carbonate. Chemical Engineering Journal, 2013, 226, 357-366. | 12.7 | 28 |
| 58 | A clean and sustainable route towards the design and fabrication of biodegradable foams by means of supercritical CO2/ethyl lactate solid-state foaming. RSC Advances, 2013, 3, 17355. | 3.6 | 21 |
| 59 | Nanostructured silica-based drug delivery vehicles for hydrophobic and moisture sensitive drugs. Journal of Supercritical Fluids, 2013, 73, 34-42. | 3.2 | 50 |
| 60 | A new method using compressed CO2 for the in situ functionalization of mesoporous silica with hyperbranched polymers. Chemical Communications, 2013, 49, 11776. | 4.1 | 20 |
| 61 | Effect of blowing agent composition and processing parameters on the low temperature foaming of poly(l-lactide/caprolactone) co-polymer by means of supercritical CO2/ethyl lactate binary mixtures. Journal of Supercritical Fluids, 2013, 84, 195-204. | 3.2 | 12 |
| 62 | Solution-processable carboxylate-capped CuO nanoparticles obtained by a simple solventless method. Journal of Nanoparticle Research, 2012, 14, 1. | 1.9 | 12 |
| 63 | Alkylsilane-Functionalized Microporous and Mesoporous Materials: Molecular Simulation and Experimental Analysis of Gas Adsorption. Journal of Physical Chemistry C, 2012, 116, 10150-10161. | 3.1 | 25 |
| 64 | An overview of the analytical characterization of nanostructured drug delivery systems: Towards green and sustainable pharmaceuticals: A review. Analytica Chimica Acta, 2012, 744, 8-22. | 5.4 | 56 |
| 65 | High surface area nanocrystalline hausmannite synthesized by a solvent-free route. Materials Research Bulletin, 2012, 47, 2369-2374. | 5.2 | 4 |
| 66 | Solution processable TiO2 nanoparticles capped with lauryl gallate. Materials Letters, 2012, 89, 296-298. | 2.6 | 8 |
| 67 | An equation of state for poreâ€confined fluids. AICHE Journal, 2012, 58, 3597-3600. | 3.6 | 3 |
| 68 | Sorption of tryalkoxysilane in low-cost porous silicates using a supercritical CO2 method. Microporous and Mesoporous Materials, 2012, 148, 15-24. | 4.4 | 28 |
| 69 | Solution-processable ZnO nanoparticles obtained by low-temperature solventless synthesis. Journal of Materials Chemistry, 2011, 21, 4408. | 6.7 | 15 |
| 70 | Monitoring the Effect of Mineral Precursor, Fluid Phase CO<sub>2</sub>â€“H<sub>2</sub>O Composition, and Stirring on CaCO<sub>3</sub> Crystallization in a Supercriticalâ€”Ultrasound Carbonation Process. Crystal Growth and Design, 2011, 11, 5324-5332. | 3.0 | 18 |
| 71 | Characterization of new topical ketoprofen formulations prepared by drug entrapment in solid lipid matrices. Journal of Pharmaceutical Sciences, 2011, 100, 4783-4789. | 3.3 | 12 |
| 72 | A Clean Low-Temperature ZnO Deposition Method for Multipurpose Applications. European Journal of Inorganic Chemistry, 2011, 2011, 821-825. | 2.0 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Straightforward synthesis of a novel hydronium titanium oxyfluoride. Materials Chemistry and Physics, 2010, 124, 904-907. | 4.0 | 12 |
| 74 | Microwave radiation as heating method in the synthesis of titanium dioxide nanoparticles from hexafluorotitanate-organic salts. Materials Research Bulletin, 2010, 45, 1224-1229. | 5.2 | 15 |
| 75 | Low-temperature and ambient-pressure synthesis of TiO2(B). Materials Letters, 2010, 64, 2357-2359. | 2.6 | 10 |
| 76 | Mild Synthetic Routes to Highâ€Surface Zinc Oxide Nanopowders. European Journal of Inorganic Chemistry, 2010, 2010, 1649-1654. | 2.0 | 10 |
| 77 | Zirconium-doped and silicon-doped TiO2 photocatalysts synthesis from ionic-liquid-like precursors. Journal of Colloid and Interface Science, 2010, 344, 327-333. | 9.4 | 23 |
| 78 | Preparation of trityl cations in faujasite micropores through supercritical CO2 impregnation. Microporous and Mesoporous Materials, 2010, 132, 357-362. | 4.4 | 10 |
| 79 | A breakthrough technique for the preparation of high-yield precipitated calcium carbonate. Journal of Supercritical Fluids, 2010, 52, 298-305. | 3.2 | 45 |
| 80 | Encapsulation efficiency of solid lipid hybrid particles prepared using the PGSSÂ® technique and loaded with different polarity active agents. Journal of Supercritical Fluids, 2010, 54, 342-347. | 3.2 | 42 |
| 81 | Assessment of scCO2 techniques for surface modification of micro- and nanoparticles: Process design methodology based on solubility. Journal of Supercritical Fluids, 2010, 54, 362-368. | 3.2 | 13 |
| 82 | A clean and effective supercritical carbon dioxide method for the hostâ€“guest synthesis and encapsulation of photoactive molecules in nanoporous matrices. Green Chemistry, 2010, 12, 2196. | 9.0 | 13 |
| 83 | Towards the synthesis of Schiff base macrocycles under supercritical CO2 conditions. Chemical Communications, 2010, 46, 4315. | 4.1 | 27 |
| 84 | Preparation of Nanostructured Organicâ€“Inorganic Hybrid Materials Using Supercritical Fluid Technology. Composite Interfaces, 2009, 16, 143-155. | 2.3 | 9 |
| 85 | Solventâ€•and thermalâ€induced crystallization of polyâ€<scp>L</scp>â€lactic acid in supercritical CO<sub>2</sub> medium. Journal of Applied Polymer Science, 2009, 111, 291-300. | 2.6 | 19 |
| 86 | Production of hybrid lipid-based particles loaded with inorganic nanoparticles and active compounds for prolonged topical release. International Journal of Pharmaceutics, 2009, 382, 296-304. | 5.2 | 39 |
| 87 | One step room temperature photodeposition of Cu/TiO2 composite films and its conversion to CuO/TiO2. Thin Solid Films, 2009, 517, 5621-5624. | 1.8 | 18 |
| 88 | Impregnation of a biocompatible polymer aided by supercritical CO2: Evaluation of drug stability and drugâ€“matrix interactions. Journal of Supercritical Fluids, 2009, 48, 56-63. | 3.2 | 65 |
| 89 | Impregnation of a triphenylpyrylium cation into zeolite cavities using supercritical CO2. Journal of Supercritical Fluids, 2009, 50, 305-312. | 3.2 | 10 |
| 90 | Spectroscopic analysis of triflusal impregnated into PMMA from supercritical CO2 solution. Vibrational Spectroscopy, 2009, 49, 183-189. | 2.2 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Preparation of silane-coated TiO2 nanoparticles in supercritical CO2. Journal of Colloid and Interface Science, 2009, 338, 491-499. | 9.4 | 44 |
| 92 | Application of principal component analysis to the thermal characterization of silanized nanoparticles obtained at supercritical carbon dioxide conditions. Analytica Chimica Acta, 2009, 635, 227-234. | 5.4 | 12 |
| 93 | Composite fibrous biomaterials for tissue engineering obtained using a supercritical CO2 antisolvent process. Acta Biomaterialia, 2009, 5, 1094-1103. | 8.3 | 34 |
| 94 | Low temperatureN,N-dimethylformamide-assisted synthesis and characterization of anataseâ€“rutile biphasic nanostructured titania. Nanotechnology, 2009, 20, 125604. | 2.6 | 13 |
| 95 | Interaction of bentonite with supercritically carbonated concrete. Applied Clay Science, 2009, 42, 488-496. | 5.2 | 20 |
| 96 | Preparation and Characterization of Surface Silanized TiO<sub>2</sub> Nanoparticles under Compressed CO<sub>2</sub>: Reaction Kinetics. Journal of Physical Chemistry C, 2009, 113, 13780-13786. | 3.1 | 35 |
| 97 | Measurements and Correlation of Octyltriethoxysilane Solubility in Supercritical CO<sub>2</sub>and Assembly of Functional Silane Monolayers on the Surface of Nanometric Particles. Industrial & Engineering Chemistry Research, 2009, 48, 9952-9960. | 3.7 | 28 |
| 98 | Spectroscopic and chromatographic characterization of triflusal delivery systems prepared by using supercritical impregnation technologies. Journal of Pharmaceutical and Biomedical Analysis, 2008, 46, 456-462. | 2.8 | 19 |
| 99 | Supercritical CO2 processing of polymers for the production of materials with applications in tissue engineering and drug delivery. Journal of Materials Science, 2008, 43, 1939-1947. | 3.7 | 38 |
| 100 | Microstructural changes induced in Portland cement-based materials due to natural and supercritical carbonation. Journal of Materials Science, 2008, 43, 3101-3111. | 3.7 | 116 |
| 101 | TiO2â€“CuO three-dimensional heterostructure obtained using short time photochemical deposition of copper oxide inside a porous nanocrystalline TiO2 layer. Microporous and Mesoporous Materials, 2008, 109, 560-566. | 4.4 | 10 |
| 102 | Supercritical CO2 antisolvent precipitation of polymer networks of l-PLA, PMMA and PMMA/PCL blends for biomedical applications. European Polymer Journal, 2008, 44, 1081-1094. | 5.4 | 37 |
| 103 | New insights on the use of supercritical carbon dioxide for the accelerated carbonation of cement pastes. Journal of Supercritical Fluids, 2008, 43, 500-509. | 3.2 | 55 |
| 104 | Dopamine/TiO2 hybrid thin films prepared by the liquid phase deposition method. Thin Solid Films, 2008, 516, 3831-3835. | 1.8 | 33 |
| 105 | Porosity and Water Permeability Study of Supercritically Carbonated Cement Pastes Involving Mineral Additions. Industrial & Engineering Chemistry Research, 2007, 46, 2488-2496. | 3.7 | 30 |
| 106 | Hexafluorotitanate salts containing organic cations: use as a reaction medium and precursor to the synthesis of titanium dioxide. Chemical Communications, 2007, , 4659. | 4.1 | 14 |
| 107 | Microstructural characterization of leaching effects in cement pastes due to neutralisation of their alkaline nature. Cement and Concrete Research, 2007, 37, 63-70. | 11.0 | 90 |
| 108 | Solvent effect on tolbutamide crystallization induced by compressed CO2 as antisolvent. Journal of Crystal Growth, 2007, 309, 76-85. | 1.5 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Modification of Composition and Microstructure of Portland Cement Pastes as a Result of Natural and Supercritical Carbonation Procedures. Industrial & Engineering Chemistry Research, 2006, 45, 4985-4992. | 3.7 | 63 |
| 110 | Calcite precipitation by a high-pressure CO2 carbonation route. Journal of Supercritical Fluids, 2006, 36, 202-215. | 3.2 | 96 |
| 111 | Grafting of trialkoxysilane on the surface of nanoparticles by conventional wet alcoholic and supercritical carbon dioxide deposition methods. Journal of Supercritical Fluids, 2006, 37, 72-86. | 3.2 | 67 |
| 112 | Microwave activated chemical bath deposition (MW-CBD) of zinc oxide: Influence of bath composition and substrate characteristics. Journal of Crystal Growth, 2005, 285, 6-16. | 1.5 | 38 |
| 113 | Nanostructured zinc oxide films grown from microwave activated aqueous solutions. Thin Solid Films, 2005, 483, 79-83. | 1.8 | 56 |
| 114 | Preparation of photoelectrodes with spectral response in the visible without applied bias based on photochemically deposited copper oxide inside a porous titanium dioxide film. Thin Solid Films, 2005, 489, 50-55. | 1.8 | 22 |
| 115 | Evaluation of drug delivery characteristics of microspheres of PMMAâ€“PCLâ€“cholesterol obtained by supercritical-CO2 impregnation and by dissolutionâ€“evaporation techniques. Journal of Controlled Release, 2004, 99, 231-240. | 9.9 | 90 |
| 116 | Process performances and characteristics of powders produced using supercritical CO2 as solvent and antisolvent. Powder Technology, 2004, 142, 13-22. | 4.2 | 32 |
| 117 | Influence of expansion conditions on the characteristics of cholesterol crystals analyzed by statistical design. Journal of Supercritical Fluids, 2004, 31, 313-322. | 3.2 | 24 |
| 118 | Precipitation of PMMA/PCL blends using supercritical carbon dioxide. Journal of Applied Polymer Science, 2004, 91, 2422-2426. | 2.6 | 19 |
| 119 | Anhydrous Supercritical Carbon Dioxide Method for the Controlled Silanization of Inorganic Nanoparticles. Advanced Materials, 2004, 16, 739-744. | 21.0 | 47 |
| 120 | The role of conducting-oxide-substrate type and morphology in TiO2 films grown by microwave chemical bath deposition (MW-CBD) and their photovoltaic characteristics. Journal of Crystal Growth, 2004, 262, 366-374. | 1.5 | 20 |
| 121 | Control of calcium carbonate morphology by precipitation in compressed and supercritical carbon dioxide media. Journal of Crystal Growth, 2004, 271, 268-273. | 1.5 | 61 |
| 122 | Hydrolytic stability of experimental hydroxyapatite-filled dental composite materials. Dental Materials, 2003, 19, 478-486. | 3.5 | 67 |
| 123 | Behavior of poly(methyl methacrylate)-based systems in supercritical CO2 and CO2 plus cosolvent: Solubility measurements and process assessment. Journal of Applied Polymer Science, 2003, 90, 3652-3659. | 2.6 | 32 |
| 124 | Mechanical properties of visible light-cured resins reinforced with hydroxyapatite for dental restoration. Dental Materials, 2002, 18, 49-57. | 3.5 | 153 |
| 125 | Processing of microporous VPI-5 molecular sieve by using supercritical CO2: stability and adsorption properties. Microporous and Mesoporous Materials, 2002, 54, 127-137. | 4.4 | 17 |
| 126 | Titanium(IV) oxide thin films obtained by a two-step soft-solution method. Thin Solid Films, 2002, 411, 185-191. | 1.8 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Study of adsorption processes of model drugs at supercritical conditions using partial least squares regression. Analytica Chimica Acta, 2002, 452, 311-319. | 5.4 | 24 |
| 128 | Low-Temperature Deposition of TiO2 Thin Films with Photocatalytic Activity from Colloidal Anatase Aqueous Solutions. Chemistry of Materials, 2001, 13, 2567-2573. | 6.7 | 130 |
| 129 | Application of chemometric techniques to the characterisation of impregnated materials obtained following supercritical fluid technology. Analyst, The, 2001, 126, 1792-1796. | 3.5 | 3 |
| 130 | Single or two-solute adsorption processes at supercritical conditions: an experimental study. Journal of Supercritical Fluids, 2001, 21, 147-157. | 3.2 | 22 |
| 131 | Dental composites reinforced with hydroxyapatite: Mechanical behavior and absorption/elution characteristics. Journal of Biomedical Materials Research Part B, 2001, 56, 297-305. | 3.1 | 67 |
| 132 | Principal component analysis and cluster analysis for the characterization of dental composites. Analyst, The, 2000, 125, 2044-2048. | 3.5 | 18 |
| 133 | Solid crystallization by rapid expansion of supercritical ternary mixtures. Journal of Crystal Growth, 1999, 198-199, 760-766. | 1.5 | 23 |
| 134 | Synthesis of ultrafine particles of barium ferrite by chemical coprecipitation. Journal of Materials Science, 1997, 32, 1025-1028. | 3.7 | 134 |
| 135 | Precipitation of ultrafine organic crystals from the rapid expansion of supercritical solutions over a capillary and a frit nozzle. Journal of Supercritical Fluids, 1997, 10, 39-55. | 3.2 | 124 |
| 136 | Precipitation of ultrafine benzoic acid by expansion of a supercritical carbon dioxide solution through a porous plate nozzle. Journal of Crystal Growth, 1996, 166, 989-995. | 1.5 | 19 |
| 137 | Morphological Properties of Î±-FeOOH, Î³-FeOOH and Fe3O4 Obtained by Oxidation of Aqueous Fe(II) Solutions. Journal of Colloid and Interface Science, 1994, 165, 244-252. | 9.4 | 103 |
| 138 | Nature and reactivity of intermediates in the auto-oxidation of iron (II) in aqueous acid media. Solid State Ionics, 1993, 59, 187-195. | 2.7 | 17 |
| 139 | Kinetics of oxidative precipitation of iron oxide particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1993, 79, 177-189. | 4.7 | 36 |
| 140 | The pathways to spinel iron oxides by oxidation of iron (II) in basic media. Materials Research Bulletin, 1991, 26, 47-55. | 5.2 | 32 |