

# Concepcion Domingo

## List of Publications by Year in descending order

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140  
papers

4,119  
citations

109264

35  
h-index

161767

54  
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140  
all docs

140  
docs citations

140  
times ranked

4548  
citing authors

#	ARTICLE	IF	CITATIONS
1	Meso/microporous MOF@graphene oxide composite aerogels prepared by generic supercritical CO <sub>2</sub> technology. <i>Microporous and Mesoporous Materials</i> , 2022, 335, 111825.	2.2	9
2	Supramolecular Isomerism in Cobalt(II) Coordination Polymers Built from 3,5-Bis(trifluoromethyl)benzoate and 4,4'-Bipyridine. <i>Crystal Growth and Design</i> , 2022, 22, 4463-4471.	1.4	1
3	Supramolecular Hydrogels Consisting of Nanofibers Increase the Bioavailability of Curcuminoids in Inflammatory Skin Diseases. <i>ACS Applied Nano Materials</i> , 2022, 5, 13829-13839.	2.4	6
4	Broadening the scope of high structural dimensionality nanomaterials using pyridine-based curcuminoids. <i>Dalton Transactions</i> , 2021, 50, 7056-7064.	1.6	2
5	Fully supercritical CO <sub>2</sub> preparation of a nanostructured MOF composite with application in cutaneous drug delivery. <i>Journal of Supercritical Fluids</i> , 2021, 178, 105379.	1.6	12
6	HKUST-1 Metal-Organic Framework Nanoparticle/Graphene Oxide Nanocomposite Aerogels for CO <sub>2</sub> and CH <sub>4</sub> Adsorption and Separation. <i>ACS Applied Nano Materials</i> , 2021, 4, 12712-12725.	2.4	19
7	Bacterial cellulose/graphene oxide aerogels with enhanced dimensional and thermal stability. <i>Carbohydrate Polymers</i> , 2020, 230, 115598.	5.1	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. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6418.	1.8	28
9	Novel Zn(II) Coordination Polymers Based on the Natural Molecule Bisdemethoxycurcumin. <i>Crystal Growth and Design</i> , 2020, 20, 6555-6564.	1.4	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. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4877-4888.	3.2	11
11	Tuning the Structure and Flexibility of Coordination Polymers via Solvent Control of Tritopic Triazine Conformation during Crystallization. <i>Crystal Growth and Design</i> , 2020, 20, 3304-3315.	1.4	8
12	Multi-layered polydopamine coatings for the immobilization of growth factors onto highly-interconnected and bimodal PCL/HA-based scaffolds. <i>Materials Science and Engineering C</i> , 2020, 117, 111245.	3.8	39
13	Single molecule magnets of cobalt and zinc homo- and heterometallic coordination polymers prepared by a one-step synthetic procedure. <i>RSC Advances</i> , 2020, 10, 45090-45104.	1.7	8
14	Polycaprolactone foams prepared by supercritical CO <sub>2</sub> batch foaming of polymer/organic solvent solutions. <i>Journal of Supercritical Fluids</i> , 2019, 143, 146-156.	1.6	24
15	Controlled Self-Assembly of Mesoporous CuO Networks Guided by Organic Interlinking. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800453.	1.2	1
16	Modulating <i>p</i> -hydroxycinnamate behavior as a ditopic linker or photoacid in copper(II) complexes with an auxiliary pyridine ligand. <i>Dalton Transactions</i> , 2018, 47, 6479-6493.	1.6	16
17	Supercritical CO <sub>2</sub> utilization for the crystallization of 2D metal-organic frameworks using tert-butylpyridine additive. <i>Journal of CO<sub>2</sub> Utilization</i> , 2018, 24, 444-453.	3.3	14
18	Features of supercritical CO <sub>2</sub> in the delicate world of the nanopores. <i>Journal of Supercritical Fluids</i> , 2018, 134, 204-213.	1.6	14

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19	A Flexible Hydrogen Bonded Organic Framework That Reversibly Adsorbs Acetic Acid: $\text{H}_3\text{C}$ Trimesic Acid. <i>Crystal Growth and Design</i> , 2018, 18, 6621-6626.	1.4	10
20	Crystalline Curcumin bioMOF Obtained by Precipitation in Supercritical $\text{CO}_2$ and Structural Determination by Electron Diffraction Tomography. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12309-12319.	3.2	36
21	Preparation and Characterization of Graphene Oxide Aerogels: Exploring the Limits of Supercritical $\text{CO}_2$ Fabrication Methods. <i>Chemistry - A European Journal</i> , 2018, 24, 15903-15911.	1.7	15
22	PCL-HA microscaffolds for <i>in vitro</i> modular bone tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 1865-1875.	1.3	21
23	Mechanism of drug release from silica-gelatin aerogel—Relationship between matrix structure and release kinetics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 229-237.	2.5	60
24	PCL foamed scaffolds loaded with 5-fluorouracil anti-cancer drug prepared by an eco-friendly route. <i>Materials Science and Engineering C</i> , 2017, 75, 1191-1197.	3.8	29
25	Supercritical $\text{CO}_2$ for the synthesis of nanometric ZIF-8 and loading with hyperbranched aminopolymers. Applications in $\text{CO}_2$ capture. <i>Journal of <math>\text{CO}_2</math> Utilization</i> , 2017, 18, 147-155.	3.3	36
26	Metal-Organic Frameworks Precipitated by Reactive Crystallization in Supercritical $\text{CO}_2$ . <i>Crystal Growth and Design</i> , 2017, 17, 2864-2872.	1.4	30
27	Bottom-up approach for the preparation of hybrid nanosheets based on coordination polymers made of metal-diethyloxaloacetate complexes linked by 4,4'-bipyridine. <i>CrystEngComm</i> , 2017, 19, 4972-4982.	1.3	6
28	Effect of the Pyridine Substituent on the Role of the Phenol Functional Group in $[\text{Cu}(\text{pOHBz})_2(\text{dPy})_2]$ Complexes (pOHBz: p-Hydroxybenzoate, dPy=) <i>Tj ETQq0 0 0 rgB7, Overlock 10 Tf 50</i>		
29	Binary supercritical $\text{CO}_2$ solvent mixtures for the synthesis of 3D metal-organic frameworks. <i>Microporous and Mesoporous Materials</i> , 2016, 234, 155-161.	2.2	24
30	Synthesis, crystal structure and magnetic properties of a Cu(II) paddle-wheel complex with mixed bridges. <i>Inorganic Chemistry Communication</i> , 2016, 71, 90-93.	1.8	22
31	Hollow Microcrystals of Copper Hexafluoroacetylacetonate-Pyridine Derivative Adducts via Supercritical $\text{CO}_2$ Recrystallization. <i>Crystal Growth and Design</i> , 2016, 16, 1725-1736.	1.4	9
32	Bio-safe processing of polylactic-co-caprolactone and polylactic acid blends to fabricate fibrous porous scaffolds for <i>in vitro</i> mesenchymal stem cells adhesion and proliferation. <i>Materials Science and Engineering C</i> , 2016, 63, 512-521.	3.8	19
33	Lead(II) fluoride particles synthesized by a straightforward mechanochemical route. <i>Materials Letters</i> , 2016, 163, 76-80.	1.3	3
34	Hybrid aminopolymer-silica materials for efficient $\text{CO}_2$ adsorption. <i>RSC Advances</i> , 2015, 5, 104943-104953.	1.7	22
35	Supercritical $\text{CO}_2$ foamed polycaprolactone scaffolds for controlled delivery of 5-fluorouracil, nicotinamide and triflusal. <i>International Journal of Pharmaceutics</i> , 2015, 496, 654-663.	2.6	33
36	Surface Morphology, Crystallinity, and Hydrophilicity of Poly( $\epsilon$ -caprolactone) Films Prepared Via Casting of Ethyl Lactate and Ethyl Acetate Solutions. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 49-58.	1.1	12

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37	Bio-safe fabrication of PLA scaffolds for bone tissue engineering by combining phase separation, porogen leaching and scCO <sub>2</sub> drying. Journal of Supercritical Fluids, 2015, 97, 238-246.	1.6	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.	1.3	25
39	Analysis of CO <sub>2</sub> Adsorption in Amine-Functionalized Porous Silicas by Molecular Simulations. Energy & Fuels, 2015, 29, 3855-3862.	2.5	36
40	Study of the morphology and texture of poly( $\mu$ -caprolactone)/polyethylene oxide blend films as a function of composition and the addition of nanofillers with different functionalities. RSC Advances, 2015, 5, 59354-59363.	1.7	4
41	Supercritical CO <sub>2</sub> antisolvent precipitation from biocompatible polymer solutions: A novel sustainable approach for biomaterials design and fabrication. Journal of Supercritical Fluids, 2015, 105, 9-20.	1.6	4
42	Hybrid aerogel preparations as drug delivery matrices for low water-solubility drugs. International Journal of Pharmaceutics, 2015, 496, 360-370.	2.6	51
43	Impact of solvents and supercritical CO <sub>2</sub> 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.	2.5	9
45	Macroporous and nanometre scale fibrous PLA and PLA-HA composite scaffolds fabricated by a bio safe strategy. RSC Advances, 2014, 4, 61491-61502.	1.7	21
46	Chemical modification of nanometric TiO <sub>2</sub> particles by anchoring functional silane molecules in supercritical CO <sub>2</sub> . Applied Surface Science, 2014, 296, 114-123.	3.1	11
47	Regenerable solid CO <sub>2</sub> sorbents prepared by supercritical grafting of aminoalkoxysilane into low-cost mesoporous silica. Journal of Supercritical Fluids, 2014, 85, 68-80.	1.6	31
48	Low-temperature clean preparation of poly(lactic acid) foams by combining ethyl lactate and supercritical CO <sub>2</sub> : correlation between processing and foam pore structure. Polymer International, 2014, 63, 1303-1310.	1.6	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.	5.0	10
50	Making microporous nanometre-scale fibrous PLA aerogels with clean and reliable supercritical CO <sub>2</sub> based approaches. Microporous and Mesoporous Materials, 2014, 184, 162-168.	2.2	32
51	The effect of ethyl-lactate and ethyl-acetate plasticizers on PCL and PCL-HA composites foamed with supercritical CO <sub>2</sub> . Journal of Supercritical Fluids, 2014, 95, 394-406.	1.6	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.	1.8	25
53	Preparation and study of naproxen in silica and lipid/polymer hybrid composites. RSC Advances, 2014, 4, 7084.	1.7	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.	1.0	16

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55	Solid-state foaming of biodegradable polyesters by means of supercritical CO <sub>2</sub> /ethyl lactate mixtures: Towards designing advanced materials by means of sustainable processes. <i>European Polymer Journal</i> , 2014, 51, 1-11.	2.6	36
56	A novel bio-safe phase separation process for preparing open-pore biodegradable polycaprolactone microparticles. <i>Materials Science and Engineering C</i> , 2014, 42, 102-110.	3.8	15
57	CO <sub>2</sub> capture efficiency and carbonation/calcination kinetics of micro and nanosized particles of supercritically precipitated calcium carbonate. <i>Chemical Engineering Journal</i> , 2013, 226, 357-366.	6.6	28
58	A clean and sustainable route towards the design and fabrication of biodegradable foams by means of supercritical CO <sub>2</sub> /ethyl lactate solid-state foaming. <i>RSC Advances</i> , 2013, 3, 17355.	1.7	21
59	Nanostructured silica-based drug delivery vehicles for hydrophobic and moisture sensitive drugs. <i>Journal of Supercritical Fluids</i> , 2013, 73, 34-42.	1.6	50
60	A new method using compressed CO <sub>2</sub> for the in situ functionalization of mesoporous silica with hyperbranched polymers. <i>Chemical Communications</i> , 2013, 49, 11776.	2.2	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 CO <sub>2</sub> /ethyl lactate binary mixtures. <i>Journal of Supercritical Fluids</i> , 2013, 84, 195-204.	1.6	12
62	Solution-processable carboxylate-capped CuO nanoparticles obtained by a simple solventless method. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	12
63	Alkylsilane-Functionalized Microporous and Mesoporous Materials: Molecular Simulation and Experimental Analysis of Gas Adsorption. <i>Journal of Physical Chemistry C</i> , 2012, 116, 10150-10161.	1.5	25
64	An overview of the analytical characterization of nanostructured drug delivery systems: Towards green and sustainable pharmaceuticals: A review. <i>Analytica Chimica Acta</i> , 2012, 744, 8-22.	2.6	56
65	High surface area nanocrystalline hausmannite synthesized by a solvent-free route. <i>Materials Research Bulletin</i> , 2012, 47, 2369-2374.	2.7	4
66	Solution processable TiO <sub>2</sub> nanoparticles capped with lauryl gallate. <i>Materials Letters</i> , 2012, 89, 296-298.	1.3	8
67	An equation of state for pore-confined fluids. <i>AIChE Journal</i> , 2012, 58, 3597-3600.	1.8	3
68	Sorption of trialkoxysilane in low-cost porous silicates using a supercritical CO <sub>2</sub> method. <i>Microporous and Mesoporous Materials</i> , 2012, 148, 15-24.	2.2	28
69	Solution-processable ZnO nanoparticles obtained by low-temperature solventless synthesis. <i>Journal of Materials Chemistry</i> , 2011, 21, 4408.	6.7	15
70	Monitoring the Effect of Mineral Precursor, Fluid Phase CO <sub>2</sub> /H <sub>2</sub> O Composition, and Stirring on CaCO <sub>3</sub> Crystallization in a Supercritical Ultrasound Carbonation Process. <i>Crystal Growth and Design</i> , 2011, 11, 5324-5332.	1.4	18
71	Characterization of new topical ketoprofen formulations prepared by drug entrapment in solid lipid matrices. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 4783-4789.	1.6	12
72	A Clean Low-Temperature ZnO Deposition Method for Multipurpose Applications. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 821-825.	1.0	4

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73	Straightforward synthesis of a novel hydronium titanium oxyfluoride. <i>Materials Chemistry and Physics</i> , 2010, 124, 904-907.	2.0	12
74	Microwave radiation as heating method in the synthesis of titanium dioxide nanoparticles from hexafluorotitanate-organic salts. <i>Materials Research Bulletin</i> , 2010, 45, 1224-1229.	2.7	15
75	Low-temperature and ambient-pressure synthesis of TiO <sub>2</sub> (B). <i>Materials Letters</i> , 2010, 64, 2357-2359.	1.3	10
76	Mild Synthetic Routes to High-Surface Zinc Oxide Nanopowders. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1649-1654.	1.0	10
77	Zirconium-doped and silicon-doped TiO <sub>2</sub> photocatalysts synthesis from ionic-liquid-like precursors. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 327-333.	5.0	23
78	Preparation of trityl cations in faujasite micropores through supercritical CO <sub>2</sub> impregnation. <i>Microporous and Mesoporous Materials</i> , 2010, 132, 357-362.	2.2	10
79	A breakthrough technique for the preparation of high-yield precipitated calcium carbonate. <i>Journal of Supercritical Fluids</i> , 2010, 52, 298-305.	1.6	45
80	Encapsulation efficiency of solid lipid hybrid particles prepared using the PGSS® technique and loaded with different polarity active agents. <i>Journal of Supercritical Fluids</i> , 2010, 54, 342-347.	1.6	42
81	Assessment of scCO <sub>2</sub> techniques for surface modification of micro- and nanoparticles: Process design methodology based on solubility. <i>Journal of Supercritical Fluids</i> , 2010, 54, 362-368.	1.6	13
82	A clean and effective supercritical carbon dioxide method for the host-guest synthesis and encapsulation of photoactive molecules in nanoporous matrices. <i>Green Chemistry</i> , 2010, 12, 2196.	4.6	13
83	Towards the synthesis of Schiff base macrocycles under supercritical CO <sub>2</sub> conditions. <i>Chemical Communications</i> , 2010, 46, 4315.	2.2	27
84	Preparation of Nanostructured Organic-Inorganic Hybrid Materials Using Supercritical Fluid Technology. <i>Composite Interfaces</i> , 2009, 16, 143-155.	1.3	9
85	Solvent- and thermal-induced crystallization of poly-L-lactic acid in supercritical CO <sub>2</sub> medium. <i>Journal of Applied Polymer Science</i> , 2009, 111, 291-300.	1.3	19
86	Production of hybrid lipid-based particles loaded with inorganic nanoparticles and active compounds for prolonged topical release. <i>International Journal of Pharmaceutics</i> , 2009, 382, 296-304.	2.6	39
87	One step room temperature photodeposition of Cu/TiO <sub>2</sub> composite films and its conversion to CuO/TiO <sub>2</sub> . <i>Thin Solid Films</i> , 2009, 517, 5621-5624.	0.8	18
88	Impregnation of a biocompatible polymer aided by supercritical CO <sub>2</sub> : Evaluation of drug stability and drug-matrix interactions. <i>Journal of Supercritical Fluids</i> , 2009, 48, 56-63.	1.6	65
89	Impregnation of a triphenylpyrylium cation into zeolite cavities using supercritical CO <sub>2</sub> . <i>Journal of Supercritical Fluids</i> , 2009, 50, 305-312.	1.6	10
90	Spectroscopic analysis of triflusal impregnated into PMMA from supercritical CO <sub>2</sub> solution. <i>Vibrational Spectroscopy</i> , 2009, 49, 183-189.	1.2	12

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91	Preparation of silane-coated TiO <sub>2</sub> nanoparticles in supercritical CO <sub>2</sub> . Journal of Colloid and Interface Science, 2009, 338, 491-499.	5.0	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.	2.6	12
93	Composite fibrous biomaterials for tissue engineering obtained using a supercritical CO <sub>2</sub> antisolvent process. Acta Biomaterialia, 2009, 5, 1094-1103.	4.1	34
94	Low temperature N,N-dimethylformamide-assisted synthesis and characterization of anatase-rutile biphasic nanostructured titania. Nanotechnology, 2009, 20, 125604.	1.3	13
95	Interaction of bentonite with supercritically carbonated concrete. Applied Clay Science, 2009, 42, 488-496.	2.6	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.	1.5	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.	1.8	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.	1.4	19
99	Supercritical CO <sub>2</sub> processing of polymers for the production of materials with applications in tissue engineering and drug delivery. Journal of Materials Science, 2008, 43, 1939-1947.	1.7	38
100	Microstructural changes induced in Portland cement-based materials due to natural and supercritical carbonation. Journal of Materials Science, 2008, 43, 3101-3111.	1.7	116
101	TiO <sub>2</sub> -CuO three-dimensional heterostructure obtained using short time photochemical deposition of copper oxide inside a porous nanocrystalline TiO <sub>2</sub> layer. Microporous and Mesoporous Materials, 2008, 109, 560-566.	2.2	10
102	Supercritical CO <sub>2</sub> antisolvent precipitation of polymer networks of l-PLA, PMMA and PMMA/PCL blends for biomedical applications. European Polymer Journal, 2008, 44, 1081-1094.	2.6	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.	1.6	55
104	Dopamine/TiO <sub>2</sub> hybrid thin films prepared by the liquid phase deposition method. Thin Solid Films, 2008, 516, 3831-3835.	0.8	33
105	Porosity and Water Permeability Study of Supercritically Carbonated Cement Pastes Involving Mineral Additions. Industrial & Engineering Chemistry Research, 2007, 46, 2488-2496.	1.8	30
106	Hexafluorotitanate salts containing organic cations: use as a reaction medium and precursor to the synthesis of titanium dioxide. Chemical Communications, 2007, , 4659.	2.2	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.	4.6	90
108	Solvent effect on tolbutamide crystallization induced by compressed CO <sub>2</sub> as antisolvent. Journal of Crystal Growth, 2007, 309, 76-85.	0.7	17



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109	Modification of Composition and Microstructure of Portland Cement Pastes as a Result of Natural and Supercritical Carbonation Procedures. <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 4985-4992.	1.8	63
110	Calcite precipitation by a high-pressure CO <sub>2</sub> carbonation route. <i>Journal of Supercritical Fluids</i> , 2006, 36, 202-215.	1.6	96
111	Grafting of trialkoxysilane on the surface of nanoparticles by conventional wet alcoholic and supercritical carbon dioxide deposition methods. <i>Journal of Supercritical Fluids</i> , 2006, 37, 72-86.	1.6	67
112	Microwave activated chemical bath deposition (MW-CBD) of zinc oxide: Influence of bath composition and substrate characteristics. <i>Journal of Crystal Growth</i> , 2005, 285, 6-16.	0.7	38
113	Nanostructured zinc oxide films grown from microwave activated aqueous solutions. <i>Thin Solid Films</i> , 2005, 483, 79-83.	0.8	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. <i>Thin Solid Films</i> , 2005, 489, 50-55.	0.8	22
115	Evaluation of drug delivery characteristics of microspheres of PMMA/PCL/cholesterol obtained by supercritical-CO <sub>2</sub> impregnation and by dissolution/evaporation techniques. <i>Journal of Controlled Release</i> , 2004, 99, 231-240.	4.8	90
116	Process performances and characteristics of powders produced using supercritical CO <sub>2</sub> as solvent and antisolvent. <i>Powder Technology</i> , 2004, 142, 13-22.	2.1	32
117	Influence of expansion conditions on the characteristics of cholesterol crystals analyzed by statistical design. <i>Journal of Supercritical Fluids</i> , 2004, 31, 313-322.	1.6	24
118	Precipitation of PMMA/PCL blends using supercritical carbon dioxide. <i>Journal of Applied Polymer Science</i> , 2004, 91, 2422-2426.	1.3	19
119	Anhydrous Supercritical Carbon Dioxide Method for the Controlled Silanization of Inorganic Nanoparticles. <i>Advanced Materials</i> , 2004, 16, 739-744.	11.1	47
120	The role of conducting-oxide-substrate type and morphology in TiO <sub>2</sub> films grown by microwave chemical bath deposition (MW-CBD) and their photovoltaic characteristics. <i>Journal of Crystal Growth</i> , 2004, 262, 366-374.	0.7	20
121	Control of calcium carbonate morphology by precipitation in compressed and supercritical carbon dioxide media. <i>Journal of Crystal Growth</i> , 2004, 271, 268-273.	0.7	61
122	Hydrolytic stability of experimental hydroxyapatite-filled dental composite materials. <i>Dental Materials</i> , 2003, 19, 478-486.	1.6	67
123	Behavior of poly(methyl methacrylate)-based systems in supercritical CO <sub>2</sub> and CO <sub>2</sub> plus cosolvent: Solubility measurements and process assessment. <i>Journal of Applied Polymer Science</i> , 2003, 90, 3652-3659.	1.3	32
124	Mechanical properties of visible light-cured resins reinforced with hydroxyapatite for dental restoration. <i>Dental Materials</i> , 2002, 18, 49-57.	1.6	153
125	Processing of microporous VPI-5 molecular sieve by using supercritical CO <sub>2</sub> : stability and adsorption properties. <i>Microporous and Mesoporous Materials</i> , 2002, 54, 127-137.	2.2	17
126	Titanium(IV) oxide thin films obtained by a two-step soft-solution method. <i>Thin Solid Films</i> , 2002, 411, 185-191.	0.8	22



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127	Study of adsorption processes of model drugs at supercritical conditions using partial least squares regression. <i>Analytica Chimica Acta</i> , 2002, 452, 311-319.	2.6	24
128	Low-Temperature Deposition of TiO <sub>2</sub> Thin Films with Photocatalytic Activity from Colloidal Anatase Aqueous Solutions. <i>Chemistry of Materials</i> , 2001, 13, 2567-2573.	3.2	130
129	Application of chemometric techniques to the characterisation of impregnated materials obtained following supercritical fluid technology. <i>Analyst, The</i> , 2001, 126, 1792-1796.	1.7	3
130	Single or two-solute adsorption processes at supercritical conditions: an experimental study. <i>Journal of Supercritical Fluids</i> , 2001, 21, 147-157.	1.6	22
131	Dental composites reinforced with hydroxyapatite: Mechanical behavior and absorption/elution characteristics. <i>Journal of Biomedical Materials Research Part B</i> , 2001, 56, 297-305.	3.0	67
132	Principal component analysis and cluster analysis for the characterization of dental composites. <i>Analyst, The</i> , 2000, 125, 2044-2048.	1.7	18
133	Solid crystallization by rapid expansion of supercritical ternary mixtures. <i>Journal of Crystal Growth</i> , 1999, 198-199, 760-766.	0.7	23
134	Synthesis of ultrafine particles of barium ferrite by chemical coprecipitation. <i>Journal of Materials Science</i> , 1997, 32, 1025-1028.	1.7	134
135	Precipitation of ultrafine organic crystals from the rapid expansion of supercritical solutions over a capillary and a frit nozzle. <i>Journal of Supercritical Fluids</i> , 1997, 10, 39-55.	1.6	124
136	Precipitation of ultrafine benzoic acid by expansion of a supercritical carbon dioxide solution through a porous plate nozzle. <i>Journal of Crystal Growth</i> , 1996, 166, 989-995.	0.7	19
137	Morphological Properties of $\hat{1}\pm$ -FeOOH, $\hat{1}^3$ -FeOOH and Fe <sub>3</sub> O <sub>4</sub> Obtained by Oxidation of Aqueous Fe(II) Solutions. <i>Journal of Colloid and Interface Science</i> , 1994, 165, 244-252.	5.0	103
138	Nature and reactivity of intermediates in the auto-oxidation of iron (II) in aqueous acid media. <i>Solid State Ionics</i> , 1993, 59, 187-195.	1.3	17
139	Kinetics of oxidative precipitation of iron oxide particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1993, 79, 177-189.	2.3	36
140	The pathways to spinel iron oxides by oxidation of iron (II) in basic media. <i>Materials Research Bulletin</i> , 1991, 26, 47-55.	2.7	32