

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	Mechanical properties of visible light-cured resins reinforced with hydroxyapatite for dental restoration. <i>Dental Materials</i> , 2002, 18, 49-57.	1.6	153
2	Synthesis of ultrafine particles of barium ferrite by chemical coprecipitation. <i>Journal of Materials Science</i> , 1997, 32, 1025-1028.	1.7	134
3	Low-Temperature Deposition of TiO ₂ Thin Films with Photocatalytic Activity from Colloidal Anatase Aqueous Solutions. <i>Chemistry of Materials</i> , 2001, 13, 2567-2573.	3.2	130
4	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
5	Microstructural changes induced in Portland cement-based materials due to natural and supercritical carbonation. <i>Journal of Materials Science</i> , 2008, 43, 3101-3111.	1.7	116
6	Morphological Properties of $\hat{1}\pm$ -FeOOH, $\hat{1}^3$ -FeOOH and Fe ₃ O ₄ Obtained by Oxidation of Aqueous Fe(II) Solutions. <i>Journal of Colloid and Interface Science</i> , 1994, 165, 244-252.	5.0	103
7	Calcite precipitation by a high-pressure CO ₂ carbonation route. <i>Journal of Supercritical Fluids</i> , 2006, 36, 202-215.	1.6	96
8	Evaluation of drug delivery characteristics of microspheres of PMMA- $\hat{1}$ -PCL- $\hat{1}$ -cholesterol obtained by supercritical-CO ₂ impregnation and by dissolution- $\hat{1}$ -evaporation techniques. <i>Journal of Controlled Release</i> , 2004, 99, 231-240.	4.8	90
9	Microstructural characterization of leaching effects in cement pastes due to neutralisation of their alkaline nature. <i>Cement and Concrete Research</i> , 2007, 37, 63-70.	4.6	90
10	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
11	Hydrolytic stability of experimental hydroxyapatite-filled dental composite materials. <i>Dental Materials</i> , 2003, 19, 478-486.	1.6	67
12	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
13	Impregnation of a biocompatible polymer aided by supercritical CO ₂ : Evaluation of drug stability and drug- $\hat{1}$ -matrix interactions. <i>Journal of Supercritical Fluids</i> , 2009, 48, 56-63.	1.6	65
14	Modification of Composition and Microstructure of Portland Cement Pastes as a Result of Natural and Supercritical Carbonation Procedures. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 4985-4992.	1.8	63
15	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
16	Mechanism of drug release from silica-gelatin aerogel- $\hat{1}$ -Relationship between matrix structure and release kinetics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 229-237.	2.5	60
17	Nanostructured zinc oxide films grown from microwave activated aqueous solutions. <i>Thin Solid Films</i> , 2005, 483, 79-83.	0.8	56
18	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

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19	New insights on the use of supercritical carbon dioxide for the accelerated carbonation of cement pastes. <i>Journal of Supercritical Fluids</i> , 2008, 43, 500-509.	1.6	55
20	Bio-safe fabrication of PLA scaffolds for bone tissue engineering by combining phase separation, porogen leaching and scCO ₂ drying. <i>Journal of Supercritical Fluids</i> , 2015, 97, 238-246.	1.6	55
21	Hybrid aerogel preparations as drug delivery matrices for low water-solubility drugs. <i>International Journal of Pharmaceutics</i> , 2015, 496, 360-370.	2.6	51
22	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
23	Bacterial cellulose/graphene oxide aerogels with enhanced dimensional and thermal stability. <i>Carbohydrate Polymers</i> , 2020, 230, 115598.	5.1	50
24	Anhydrous Supercritical Carbon Dioxide Method for the Controlled Silanization of Inorganic Nanoparticles. <i>Advanced Materials</i> , 2004, 16, 739-744.	11.1	47
25	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
26	Preparation of silane-coated TiO ₂ nanoparticles in supercritical CO ₂ . <i>Journal of Colloid and Interface Science</i> , 2009, 338, 491-499.	5.0	44
27	Encapsulation efficiency of solid lipid hybrid particles prepared using the PGSSÂ® technique and loaded with different polarity active agents. <i>Journal of Supercritical Fluids</i> , 2010, 54, 342-347.	1.6	42
28	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
29	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
30	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
31	Supercritical CO ₂ processing of polymers for the production of materials with applications in tissue engineering and drug delivery. <i>Journal of Materials Science</i> , 2008, 43, 1939-1947.	1.7	38
32	Supercritical CO ₂ antisolvent precipitation of polymer networks of l-PLA, PMMA and PMMA/PCL blends for biomedical applications. <i>European Polymer Journal</i> , 2008, 44, 1081-1094.	2.6	37
33	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
34	Solid-state foaming of biodegradable polyesters by means of supercritical CO ₂ /ethyl lactate mixtures: Towards designing advanced materials by means of sustainable processes. <i>European Polymer Journal</i> , 2014, 51, 1-11.	2.6	36
35	Analysis of CO ₂ Adsorption in Amine-Functionalized Porous Silicas by Molecular Simulations. <i>Energy & Fuels</i> , 2015, 29, 3855-3862.	2.5	36
36	Supercritical CO ₂ for the synthesis of nanometric ZIF-8 and loading with hyperbranched aminopolymers. Applications in CO ₂ capture. <i>Journal of CO₂ Utilization</i> , 2017, 18, 147-155.	3.3	36

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37	Crystalline Curcumin bioMOF Obtained by Precipitation in Supercritical CO ₂ and Structural Determination by Electron Diffraction Tomography. ACS Sustainable Chemistry and Engineering, 2018, 6, 12309-12319.	3.2	36
38	Preparation and Characterization of Surface Silanized TiO ₂ Nanoparticles under Compressed CO ₂ : Reaction Kinetics. Journal of Physical Chemistry C, 2009, 113, 13780-13786.	1.5	35
39	Composite fibrous biomaterials for tissue engineering obtained using a supercritical CO ₂ antisolvent process. Acta Biomaterialia, 2009, 5, 1094-1103.	4.1	34
40	The effect of ethyl-lactate and ethyl-acetate plasticizers on PCL and PCL/HA composites foamed with supercritical CO ₂ . Journal of Supercritical Fluids, 2014, 95, 394-406.	1.6	34
41	Dopamine/TiO ₂ hybrid thin films prepared by the liquid phase deposition method. Thin Solid Films, 2008, 516, 3831-3835.	0.8	33
42	Supercritical CO ₂ foamed polycaprolactone scaffolds for controlled delivery of 5-fluorouracil, nicotinamide and triflusal. International Journal of Pharmaceutics, 2015, 496, 654-663.	2.6	33
43	The pathways to spinel iron oxides by oxidation of iron (II) in basic media. Materials Research Bulletin, 1991, 26, 47-55.	2.7	32
44	Behavior of poly(methyl methacrylate)-based systems in supercritical CO ₂ and CO ₂ plus cosolvent: Solubility measurements and process assessment. Journal of Applied Polymer Science, 2003, 90, 3652-3659.	1.3	32
45	Process performances and characteristics of powders produced using supercritical CO ₂ as solvent and antisolvent. Powder Technology, 2004, 142, 13-22.	2.1	32
46	Making microporous nanometre-scale fibrous PLA aerogels with clean and reliable supercritical CO ₂ based approaches. Microporous and Mesoporous Materials, 2014, 184, 162-168.	2.2	32
47	Regenerable solid CO ₂ sorbents prepared by supercritical grafting of aminoalkoxysilane into low-cost mesoporous silica. Journal of Supercritical Fluids, 2014, 85, 68-80.	1.6	31
48	Porosity and Water Permeability Study of Supercritically Carbonated Cement Pastes Involving Mineral Additions. Industrial & Engineering Chemistry Research, 2007, 46, 2488-2496.	1.8	30
49	Metal-Organic Frameworks Precipitated by Reactive Crystallization in Supercritical CO ₂ . Crystal Growth and Design, 2017, 17, 2864-2872.	1.4	30
50	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.	3.8	29
51	Measurements and Correlation of Octyltriethoxysilane Solubility in Supercritical CO ₂ and Assembly of Functional Silane Monolayers on the Surface of Nanometric Particles. Industrial & Engineering Chemistry Research, 2009, 48, 9952-9960.	1.8	28
52	Sorption of trialkoxysilane in low-cost porous silicates using a supercritical CO ₂ method. Microporous and Mesoporous Materials, 2012, 148, 15-24.	2.2	28
53	CO ₂ capture efficiency and carbonation/calcination kinetics of micro and nanosized particles of supercritically precipitated calcium carbonate. Chemical Engineering Journal, 2013, 226, 357-366.	6.6	28
54	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.	1.8	28

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55	Towards the synthesis of Schiff base macrocycles under supercritical CO ₂ conditions. Chemical Communications, 2010, 46, 4315.	2.2	27
56	Alkylsilane-Functionalized Microporous and Mesoporous Materials: Molecular Simulation and Experimental Analysis of Gas Adsorption. Journal of Physical Chemistry C, 2012, 116, 10150-10161.	1.5	25
57	Understanding the Performance of New Amine-Functionalized Mesoporous Silica Materials for CO ₂ Adsorption. Industrial & Engineering Chemistry Research, 2014, 53, 15611-15619.	1.8	25
58	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
59	Study of adsorption processes of model drugs at supercritical conditions using partial least squares regression. Analytica Chimica Acta, 2002, 452, 311-319.	2.6	24
60	Influence of expansion conditions on the characteristics of cholesterol crystals analyzed by statistical design. Journal of Supercritical Fluids, 2004, 31, 313-322.	1.6	24
61	Binary supercritical CO ₂ solvent mixtures for the synthesis of 3D metal-organic frameworks. Microporous and Mesoporous Materials, 2016, 234, 155-161.	2.2	24
62	Polycaprolactone foams prepared by supercritical CO ₂ batch foaming of polymer/organic solvent solutions. Journal of Supercritical Fluids, 2019, 143, 146-156.	1.6	24
63	Solid crystallization by rapid expansion of supercritical ternary mixtures. Journal of Crystal Growth, 1999, 198-199, 760-766.	0.7	23
64	Zirconium-doped and silicon-doped TiO ₂ photocatalysts synthesis from ionic-liquid-like precursors. Journal of Colloid and Interface Science, 2010, 344, 327-333.	5.0	23
65	Single or two-solute adsorption processes at supercritical conditions: an experimental study. Journal of Supercritical Fluids, 2001, 21, 147-157.	1.6	22
66	Titanium(IV) oxide thin films obtained by a two-step soft-solution method. Thin Solid Films, 2002, 411, 185-191.	0.8	22
67	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.	0.8	22
68	Hybrid aminopolymer-silica materials for efficient CO ₂ adsorption. RSC Advances, 2015, 5, 104943-104953.	1.7	22
69	Synthesis, crystal structure and magnetic properties of a Cu(II) paddle-wheel complex with mixed bridges. Inorganic Chemistry Communication, 2016, 71, 90-93.	1.8	22
70	A clean and sustainable route towards the design and fabrication of biodegradable foams by means of supercritical CO ₂ /ethyl lactate solid-state foaming. RSC Advances, 2013, 3, 17355.	1.7	21
71	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
72	PCL-HA microscaffolds for <i>in vitro</i> modular bone tissue engineering. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 1865-1875.	1.3	21

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73	The role of conducting-oxide-substrate type and morphology in TiO ₂ films grown by microwave chemical bath deposition (MW-CBD) and their photovoltaic characteristics. Journal of Crystal Growth, 2004, 262, 366-374.	0.7	20
74	Interaction of bentonite with supercritically carbonated concrete. Applied Clay Science, 2009, 42, 488-496.	2.6	20
75	A new method using compressed CO ₂ for the in situ functionalization of mesoporous silica with hyperbranched polymers. Chemical Communications, 2013, 49, 11776.	2.2	20
76	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.	0.7	19
77	Precipitation of PMMA/PCL blends using supercritical carbon dioxide. Journal of Applied Polymer Science, 2004, 91, 2422-2426.	1.3	19
78	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
79	Solvent- and thermal- induced crystallization of poly-L-lactic acid in supercritical CO ₂ medium. Journal of Applied Polymer Science, 2009, 111, 291-300.	1.3	19
80	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.	3.8	19
81	HKUST-1 Metal-Organic Framework Nanoparticle/Graphene Oxide Nanocomposite Aerogels for CO ₂ and CH ₄ Adsorption and Separation. ACS Applied Nano Materials, 2021, 4, 12712-12725.	2.4	19
82	Principal component analysis and cluster analysis for the characterization of dental composites. Analyst, The, 2000, 125, 2044-2048.	1.7	18
83	One step room temperature photodeposition of Cu/TiO ₂ composite films and its conversion to CuO/TiO ₂ . Thin Solid Films, 2009, 517, 5621-5624.	0.8	18
84	Monitoring the Effect of Mineral Precursor, Fluid Phase CO ₂ Composition, and Stirring on CaCO ₃ Crystallization in a Supercritical Ultrasound Carbonation Process. Crystal Growth and Design, 2011, 11, 5324-5332.	1.4	18
85	Nature and reactivity of intermediates in the auto-oxidation of iron (II) in aqueous acid media. Solid State Ionics, 1993, 59, 187-195.	1.3	17
86	Processing of microporous VPI-5 molecular sieve by using supercritical CO ₂ : stability and adsorption properties. Microporous and Mesoporous Materials, 2002, 54, 127-137.	2.2	17
87	Solvent effect on tolbutamide crystallization induced by compressed CO ₂ as antisolvent. Journal of Crystal Growth, 2007, 309, 76-85.	0.7	17
88	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
89	Modulating <i>p</i> -hydroxycinnamate behavior as a ditopic linker or photoacid in copper(II) complexes with an auxiliary pyridine ligand. Dalton Transactions, 2018, 47, 6479-6493.	1.6	16
90	Microwave radiation as heating method in the synthesis of titanium dioxide nanoparticles from hexafluorotitanate-organic salts. Materials Research Bulletin, 2010, 45, 1224-1229.	2.7	15

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91	Solution-processable ZnO nanoparticles obtained by low-temperature solventless synthesis. <i>Journal of Materials Chemistry</i> , 2011, 21, 4408.	6.7	15
92	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
93	Preparation and Characterization of Graphene Oxide Aerogels: Exploring the Limits of Supercritical CO ₂ Fabrication Methods. <i>Chemistry - A European Journal</i> , 2018, 24, 15903-15911.	1.7	15
94	Hexafluorotitanate salts containing organic cations: use as a reaction medium and precursor to the synthesis of titanium dioxide. <i>Chemical Communications</i> , 2007, , 4659.	2.2	14
95	Supercritical CO ₂ utilization for the crystallization of 2D metal-organic frameworks using tert-butylpyridine additive. <i>Journal of CO₂ Utilization</i> , 2018, 24, 444-453.	3.3	14
96	Features of supercritical CO ₂ in the delicate world of the nanopores. <i>Journal of Supercritical Fluids</i> , 2018, 134, 204-213.	1.6	14
97	Low temperature <i>N,N</i> -dimethylformamide-assisted synthesis and characterization of anatase-rutile biphasic nanostructured titania. <i>Nanotechnology</i> , 2009, 20, 125604.	1.3	13
98	Assessment of scCO ₂ 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
99	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
100	Spectroscopic analysis of triflusal impregnated into PMMA from supercritical CO ₂ solution. <i>Vibrational Spectroscopy</i> , 2009, 49, 183-189.	1.2	12
101	Application of principal component analysis to the thermal characterization of silanized nanoparticles obtained at supercritical carbon dioxide conditions. <i>Analytica Chimica Acta</i> , 2009, 635, 227-234.	2.6	12
102	Straightforward synthesis of a novel hydronium titanium oxyfluoride. <i>Materials Chemistry and Physics</i> , 2010, 124, 904-907.	2.0	12
103	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
104	Solution-processable carboxylate-capped CuO nanoparticles obtained by a simple solventless method. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	12
105	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 ₂ /ethyl lactate binary mixtures. <i>Journal of Supercritical Fluids</i> , 2013, 84, 195-204.	1.6	12
106	Surface Morphology, Crystallinity, and Hydrophilicity of Poly(ε-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
107	Fully supercritical CO ₂ preparation of a nanostructured MOF composite with application in cutaneous drug delivery. <i>Journal of Supercritical Fluids</i> , 2021, 178, 105379.	1.6	12
108	Chemical modification of nanometric TiO ₂ particles by anchoring functional silane molecules in supercritical CO ₂ . <i>Applied Surface Science</i> , 2014, 296, 114-123.	3.1	11

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109	Low-temperature clean preparation of poly(lactic acid) foams by combining ethyl lactate and supercritical CO_2 : correlation between processing and foam pore structure. <i>Polymer International</i> , 2014, 63, 1303-1310.	1.6	11
110	Green and Solvent-Free Supercritical CO_2 -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
111	TiO_2 - CuO three-dimensional heterostructure obtained using short time photochemical deposition of copper oxide inside a porous nanocrystalline TiO_2 layer. <i>Microporous and Mesoporous Materials</i> , 2008, 109, 560-566.	2.2	10
112	Impregnation of a triphenylpyrylium cation into zeolite cavities using supercritical CO_2 . <i>Journal of Supercritical Fluids</i> , 2009, 50, 305-312.	1.6	10
113	Low-temperature and ambient-pressure synthesis of $\text{TiO}_2(\text{B})$. <i>Materials Letters</i> , 2010, 64, 2357-2359.	1.3	10
114	Mild Synthetic Routes to High-Surface Zinc Oxide Nanopowders. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1649-1654.	1.0	10
115	Preparation of trityl cations in faujasite micropores through supercritical CO_2 impregnation. <i>Microporous and Mesoporous Materials</i> , 2010, 132, 357-362.	2.2	10
116	Solution processable titanium dioxide precursor and nanoparticulated ink: Application in Dye Sensitized Solar Cells. <i>Journal of Colloid and Interface Science</i> , 2014, 416, 112-118.	5.0	10
117	A Flexible Hydrogen Bonded Organic Framework That Reversibly Adsorbs Acetic Acid: H_3TMC . <i>Crystal Growth and Design</i> , 2018, 18, 6621-6626.	1.4	10
118	Preparation of Nanostructured Organic-Inorganic Hybrid Materials Using Supercritical Fluid Technology. <i>Composite Interfaces</i> , 2009, 16, 143-155.	1.3	9
119	A novel solventless coating method to graft low-molecular weight polyethyleneimine on silica fine powders. <i>Journal of Polymer Science Part A</i> , 2014, 52, 2760-2768.	2.5	9
120	Hollow Microcrystals of Copper Hexafluoroacetylacetonate-Pyridine Derivative Adducts via Supercritical CO_2 Recrystallization. <i>Crystal Growth and Design</i> , 2016, 16, 1725-1736.	1.4	9
121	Meso/microporous MOF@graphene oxide composite aerogels prepared by generic supercritical CO_2 technology. <i>Microporous and Mesoporous Materials</i> , 2022, 335, 111825.	2.2	9
122	Solution processable TiO_2 nanoparticles capped with lauryl gallate. <i>Materials Letters</i> , 2012, 89, 296-298.	1.3	8
123	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
124	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
125	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
126	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

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127	Preparation and study of naproxen in silica and lipid/polymer hybrid composites. RSC Advances, 2014, 4, 7084.	1.7	5
128	Novel Zn(II) Coordination Polymers Based on the Natural Molecule Bisdemethoxycurcumin. Crystal Growth and Design, 2020, 20, 6555-6564.	1.4	5
129	A Clean Low-Temperature ZnO Deposition Method for Multipurpose Applications. European Journal of Inorganic Chemistry, 2011, 2011, 821-825.	1.0	4
130	High surface area nanocrystalline hausmannite synthesized by a solvent-free route. Materials Research Bulletin, 2012, 47, 2369-2374.	2.7	4
131	Study of the morphology and texture of poly(μ -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
132	Supercritical CO ₂ 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
133	Application of chemometric techniques to the characterisation of impregnated materials obtained following supercritical fluid technology. Analyst, The, 2001, 126, 1792-1796.	1.7	3
134	An equation of state for pore-confined fluids. AIChE Journal, 2012, 58, 3597-3600.	1.8	3
135	Lead(II) fluoride particles synthesized by a straightforward mechanochemical route. Materials Letters, 2016, 163, 76-80.	1.3	3
136	Effect of the Pyridine Substituent on the Role of the Phenol Functional Group in [Cu(pOHBz) ₂ (dPy) ₂] Complexes (pOHBz: p-Hydroxybenzoate, dPy=) Tj ETQq0 0 0 rgBT, Overlock 10 Tf 50		
137	Broadening the scope of high structural dimensionality nanomaterials using pyridine-based curcuminoids. Dalton Transactions, 2021, 50, 7056-7064.	1.6	2
138	Controlled Self-Assembly of Mesoporous CuO Networks Guided by Organic Interlinking. Particle and Particle Systems Characterization, 2019, 36, 1800453.	1.2	1
139	Supramolecular Isomerism in Cobalt(II) Coordination Polymers Built from 3,5-Bis(trifluoromethyl)benzoate and 4,4'-Bipyridine. Crystal Growth and Design, 2022, 22, 4463-4471.	1.4	1
140	Impact of solvents and supercritical CO ₂ drying on the morphology and structure of polymer-based biofilms. , 2014, , .		0