

Teresa Casimiro

List of Publications by Year in descending order

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84
papers

2,094
citations

172457

29
h-index

276875

41
g-index

87
all docs

87
docs citations

87
times ranked

2400
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural melanin: A potential pH-responsive drug release device. <i>International Journal of Pharmaceutics</i> , 2014, 469, 140-145.	5.2	82
2	Green Strategies for Molecularly Imprinted Polymer Development. <i>Polymers</i> , 2018, 10, 306.	4.5	78
3	Supercritical fluid polymerisation and impregnation of molecularly imprinted polymers for drug delivery. <i>Journal of Supercritical Fluids</i> , 2006, 39, 102-106.	3.2	75
4	A Rational Approach to CO ₂ Capture by Imidazolium Ionic Liquids: Tuning CO ₂ Solubility by Cation Alkyl Branching. <i>ChemSusChem</i> , 2015, 8, 1935-1946.	6.8	70
5	Development of itaconic acid-based molecular imprinted polymers using supercritical fluid technology for pH-triggered drug delivery. <i>International Journal of Pharmaceutics</i> , 2018, 542, 125-131.	5.2	62
6	Development of 2-(dimethylamino)ethyl methacrylate-based molecular recognition devices for controlled drug delivery using supercritical fluid technology. <i>International Journal of Pharmaceutics</i> , 2011, 416, 61-68.	5.2	60
7	Clean synthesis of molecular recognition polymeric materials with chiral sensing capability using supercritical fluid technology. Application as HPLC stationary phases. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1742-1747.	10.1	59
8	Solvation of Carbon Dioxide in [C ₄ mim][BF ₄] and [C ₄ mim][PF ₆] Ionic Liquids Revealed by High-Pressure NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13024-13027.	13.8	59
9	Solvent power and depressurization rate effects in the formation of polysulfone membranes with CO ₂ -assisted phase inversion method. <i>Journal of Membrane Science</i> , 2006, 283, 244-252.	8.2	54
10	Advanced porous materials from poly(ionic liquid)s: Challenges, applications and opportunities. <i>Chemical Engineering Journal</i> , 2021, 411, 128528.	12.7	53
11	Green synthesis of a temperature sensitive hydrogel. <i>Green Chemistry</i> , 2007, 9, 75-79.	9.0	50
12	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002, 44, 117-121.	1.6	48
13	Development of a molecularly imprinted polymer for a pharmaceutical impurity in supercritical CO ₂ : Rational design using computational approach. <i>Journal of Cleaner Production</i> , 2017, 168, 1025-1031.	9.3	45
14	Boron trifluoride catalyzed polymerisation of 2-substituted-2-oxazolines in supercritical carbon dioxide. <i>Green Chemistry</i> , 2007, 9, 948.	9.0	43
15	Supercritical CO ₂ -assisted preparation of a PMMA composite membrane for bisphenol A recognition in aqueous environment. <i>Chemical Engineering Science</i> , 2012, 68, 94-100.	3.8	43
16	Development of molecularly imprinted co-polymeric devices for controlled delivery of flufenamic acid using supercritical fluid technology. <i>Journal of Supercritical Fluids</i> , 2011, 58, 150-157.	3.2	41
17	Synthesis of highly cross-linked poly(diethylene glycol dimethacrylate) microparticles in supercritical carbon dioxide. <i>European Polymer Journal</i> , 2005, 41, 1947-1953.	5.4	39
18	Development of a ferrocenyl-based MIP in supercritical carbon dioxide: Towards an electrochemical sensor for bisphenol A. <i>Journal of Supercritical Fluids</i> , 2018, 135, 98-104.	3.2	39

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19	Aerosolizable gold nano-in-micro dry powder formulations for theragnosis and lung delivery. <i>International Journal of Pharmaceutics</i> , 2017, 519, 240-249.	5.2	38
20	Supercritical fluid technology as a new strategy for the development of semi-covalent molecularly imprinted materials. <i>RSC Advances</i> , 2012, 2, 5075.	3.6	36
21	Preparation of ibuprofen/hydroxypropyl- β -cyclodextrin inclusion complexes using supercritical CO ₂ -assisted spray drying. <i>Journal of Supercritical Fluids</i> , 2018, 133, 479-485.	3.2	36
22	Solubility of coenzyme Q10 in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2004, 28, 201-206.	3.2	35
23	CpCo(CO) ₂ -catalysed cyclotrimerisation of alkynes in supercritical carbon dioxide. <i>Journal of Organometallic Chemistry</i> , 2001, 632, 113-118.	1.8	33
24	Preparation of membranes with polysulfone/polycaprolactone blends using a high pressure cell specially designed for a CO ₂ -assisted phase inversion. <i>Journal of Supercritical Fluids</i> , 2008, 43, 542-548.	3.2	33
25	Antifouling performance of poly(acrylonitrile)-based membranes: From green synthesis to application. <i>Journal of Supercritical Fluids</i> , 2011, 56, 312-321.	3.2	33
26	Oxazoline-Based Antimicrobial Oligomers: Synthesis by CROP Using Supercritical CO ₂ . <i>Macromolecular Bioscience</i> , 2011, 11, 1128-1137.	4.1	32
27	Phase equilibrium for capsaicin+water+ethanol+supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2002, 22, 87-92.	3.2	31
28	Development of PMMA membranes functionalized with hydroxypropyl- β -cyclodextrins for controlled drug delivery using a supercritical CO ₂ -assisted technology. <i>International Journal of Pharmaceutics</i> , 2009, 376, 110-115.	5.2	29
29	Dual stimuli responsive poly(N-isopropylacrylamide) coated chitosan scaffolds for controlled release prepared from a non residue technology. <i>Journal of Supercritical Fluids</i> , 2012, 66, 398-404.	3.2	29
30	Cyclodextrin solubilization and complexation of antiretroviral drug lopinavir: In silico prediction; Effects of derivatization, molar ratio and preparation method. <i>Carbohydrate Polymers</i> , 2020, 227, 115287.	10.2	29
31	Supercritical CO ₂ -Assisted Spray Drying of Strawberry-Like Gold-Coated Magnetite Nanocomposites in Chitosan Powders for Inhalation. <i>Materials</i> , 2017, 10, 74.	2.9	28
32	The art of CO ₂ for art conservation: a green approach to antique textile cleaning. <i>Green Chemistry</i> , 2007, 9, 943.	9.0	26
33	Nano-in-Micro POxylated Polyurea Dendrimers and Chitosan Dry Powder Formulations for Pulmonary Delivery. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 851-858.	2.3	25
34	Development and characterization of a thermoresponsive polysulfone membrane using an environmental friendly technology. <i>Green Chemistry</i> , 2009, 11, 638.	9.0	24
35	Green approach on the development of lock-and-key polymers for API purification. <i>Chemical Engineering Journal</i> , 2017, 308, 229-239.	12.7	24
36	Characterization of a nematic mixture by reversed-phase HPLC and UV spectroscopy: an application to phase behaviour studies in liquid crystal-CO ₂ systems. <i>Liquid Crystals</i> , 2007, 34, 591-597.	2.2	23

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37	Molecular Interactions and CO ₂ -Phility in Supercritical CO ₂ . A High-Pressure NMR and Molecular Modeling Study of a Perfluorinated Polymer in scCO ₂ . <i>Journal of Physical Chemistry B</i> , 2007, 111, 1318-1326.	2.6	22
38	Design of experiments approach on the preparation of dry inhaler chitosan composite formulations by supercritical CO ₂ -assisted spray-drying. <i>Journal of Supercritical Fluids</i> , 2016, 116, 26-35.	3.2	22
39	Vapor-Liquid Equilibrium and Critical Line of the CO ₂ + Xe System. <i>Critical Behavior of CO₂ + Xe versus CO₂ + n-Alkanes</i> . <i>Journal of Physical Chemistry B</i> , 2000, 104, 791-795.	2.6	21
40	Transition-metal-mediated activation of arylisocyanates in supercritical carbon dioxide. <i>Journal of Organometallic Chemistry</i> , 2001, 626, 227-232.	1.8	21
41	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002, 44, 69-73.	1.6	21
42	Molecularly imprinted polymer strategies for removal of a genotoxic impurity, 4-dimethylaminopyridine, from an active pharmaceutical ingredient post-reaction stream. <i>Separation and Purification Technology</i> , 2016, 163, 206-214.	7.9	21
43	Hybrid Monoliths for Magnetically-Driven Protein Separations. <i>Advanced Functional Materials</i> , 2014, 24, 4528-4541.	14.9	20
44	Optimization of supercritical CO ₂ -assisted spray drying technology for the production of inhalable composite particles using quality-by-design principles. <i>Powder Technology</i> , 2019, 357, 387-397.	4.2	20
45	Processing triacetyl- β -cyclodextrin in the liquid phase using supercritical CO ₂ . <i>Journal of Supercritical Fluids</i> , 2010, 54, 357-361.	3.2	18
46	Supercritical CO ₂ -assisted synthesis of an ultrasensitive amphibious quantum dot-molecularly imprinted sensor. <i>RSC Advances</i> , 2014, 4, 63338-63341.	3.6	17
47	Development of dual-responsive chitosan-collagen scaffolds for pulsatile release of bioactive molecules. <i>Journal of Supercritical Fluids</i> , 2014, 94, 102-112.	3.2	17
48	Integrated desulfurization of diesel by combination of metal-free oxidation and product removal by molecularly imprinted polymers. <i>RSC Advances</i> , 2014, 4, 54948-54952.	3.6	16
49	Development of PLGA dry powder microparticles by supercritical CO ₂ -assisted spray-drying for potential vaccine delivery to the lungs. <i>Journal of Supercritical Fluids</i> , 2017, 128, 235-243.	3.2	16
50	Supercritical carbon dioxide design strategies: from drug carriers to soft killers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20150009.	3.4	15
51	Development of pH-responsive poly(methylmethacrylate-co-methacrylic acid) membranes using scCO ₂ technology. Application to protein permeation. <i>Journal of Supercritical Fluids</i> , 2009, 51, 57-66.	3.2	14
52	Tailoring thermoresponsive microbeads in supercritical carbon dioxide for biomedical applications. <i>Journal of Supercritical Fluids</i> , 2011, 56, 292-298.	3.2	14
53	Anti-biofouling 3D porous systems: the blend effect of oxazoline-based oligomers on chitosan scaffolds. <i>Biofouling</i> , 2013, 29, 273-282.	2.2	14
54	POxylated Dendrimer-Based Nano-Micro Dry Powder Formulations for Inhalation Chemotherapy. <i>ChemistryOpen</i> , 2018, 7, 772-779.	1.9	14

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55	Isolation, analytical quantification and seasonal variation of labdanolic acid from the Portuguese-grown <i>Cistus ladaniferus</i> . <i>Industrial Crops and Products</i> , 2014, 60, 226-232.	5.2	13
56	Green Development of Polymeric Dummy Artificial Receptors with Affinity for Amide-Based Pharmaceutical Impurities. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15445-15451.	6.7	13
57	High-pressure NMR characterization of triacetyl- β -cyclodextrin in supercritical carbon dioxide. <i>Magnetic Resonance in Chemistry</i> , 2009, 47, 133-141.	1.9	12
58	Correlation of Vapor-Liquid Equilibrium for Carbon Dioxide + Ethanol + Water at Temperatures from 35 to 70°C. <i>Separation Science and Technology</i> , 2000, 35, 2187-2201.	2.5	11
59	A Combined Strategy to Surface-Graft Stimuli-Responsive Hydrogels Using Plasma Activation and Supercritical Carbon Dioxide. <i>ACS Macro Letters</i> , 2012, 1, 356-360.	4.8	11
60	Reborn water-soluble CdTe quantum dots. <i>Talanta</i> , 2014, 125, 319-321.	5.5	11
61	Inhalable hydrophilic molecule-loaded liposomal dry powder formulations using supercritical CO ₂ assisted spray-drying. <i>Journal of CO₂ Utilization</i> , 2021, 53, 101709.	6.8	11
62	Solubility of the Nematic Liquid Crystal E7 in Supercritical Carbon Dioxide. <i>Journal of Chemical & Engineering Data</i> , 2005, 50, 1857-1860.	1.9	10
63	Green strategy to produce large core-shell affinity beads for gravity-driven API purification processes. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 341-349.	5.8	10
64	Optimization of Supercritical CO ₂ -Assisted Atomization: Phase Behavior and Design of Experiments. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 885-896.	1.9	10
65	Phase behaviour of the catalyst dicarbonyl(η -5-cyclopentadienyl)-cobalt in carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2004, 31, 1-8.	3.2	9
66	Influence of poly(<i>N</i> -isopropylacrylamide) and poly(<i>N</i> , <i>N</i> -diethyl acrylamide) coatings on polysulfone/polyacrylonitrile-based membranes for protein separation. <i>Polymers for Advanced Technologies</i> , 2012, 23, 1381-1393.	3.2	9
67	Rational design of multistage drug delivery vehicles for pulmonary RNA interference therapy. <i>International Journal of Pharmaceutics</i> , 2020, 591, 119989.	5.2	9
68	Phase behavior studies of a perfluoropolyether in high-pressure carbon dioxide. <i>Fluid Phase Equilibria</i> , 2004, 224, 257-261.	2.5	7
69	Phase Behavior Studies of 2-Hydroxyethyl Methacrylate and Methyl Methacrylate in High-Pressure Carbon Dioxide. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 1970-1974.	1.9	7
70	Nano-Micro Sildenafil Dry Powder Formulations for the Treatment of Pulmonary Arterial Hypertension Disorders: The Synergic Effect of POxylated Polyurea Dendrimers, PLGA, and Cholesterol. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 1900447.	2.3	7
71	A visual acoustic high-pressure cell for the study of critical behavior of nonsimple mixtures. <i>Review of Scientific Instruments</i> , 2004, 75, 3200-3202.	1.3	6
72	Molecular Weight Determination by Luminescent Chemoenzymatics. <i>ChemistrySelect</i> , 2016, 1, 6818-6822.	1.5	6

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73	The AEROPILs Generation: Novel Poly(Ionic Liquid)-Based Aerogels for CO ₂ Capture. <i>International Journal of Molecular Sciences</i> , 2022, 23, 200.	4.1	6
74	Solid Dosage Forms of Biopharmaceuticals in Drug Delivery Systems Using Sustainable Strategies. <i>Molecules</i> , 2021, 26, 7653.	3.8	5
75	MIP Synthesis and Processing Using Supercritical Fluids. <i>Methods in Molecular Biology</i> , 2021, 2359, 19-42.	0.9	4
76	Hemi-synthesis of novel (S)-carvone hydrazone from <i>Carum carvi</i> essential oils: Structural and crystal characterization, targeted bioassays and molecular docking on human protein kinase (CK2) and Epidermal Growth factor Kinase (EGFK). <i>Journal of Molecular Structure</i> , 2021, 1246, 131220.	3.6	4
77	Visual and acoustic investigation of the critical behavior of mixtures of CO ₂ with a perfluorinated polyether. <i>Fluid Phase Equilibria</i> , 2006, 239, 26-29.	2.5	3
78	Dry Dosage Forms of Add-Value Bioactive Phenolic Compounds by Supercritical CO ₂ -Assisted Spray-Drying. <i>Molecules</i> , 2022, 27, 2001.	3.8	3
79	Phase behavior studies of a perfluoropolyether in high-pressure carbon dioxide. <i>Fluid Phase Equilibria</i> , 2005, 228-229, 367-371.	2.5	2
80	One-pot three-step mechanically assisted synthesis and catalytic performance of tripodal metallic complexes. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 2140-2145.	3.7	2
81	High Affinity Polymers by Molecular Imprinting for Drug Delivery. , 2012, , .		1
82	Photodiode-like behavior of jelly dye-sensitized donor-acceptor dendrimers. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48635.	2.6	1
83	Development of Switchable "Smart" Biomaterials Using an Environmental Friendly Technology. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1220, 1071.	0.1	0
84	Molecular Imprinting: A New Journal, A New Home for Imprinters. <i>Molecular Imprinting</i> , 2012, 1, 1-2.	1.8	0