

MarÃa Teresa GarcÃa

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,451
citations

279798

23
h-index

345221

36
g-index

60
all docs

60
docs citations

60
times ranked

1612
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper-Containing Catalysts for Azide-Alkyne Cycloaddition in Supercritical CO ₂ . <i>Catalysts</i> , 2022, 12, 194.	3.5	5
2	DEVELOPMENT OF RESOURCES FOR BLENDED LEARNING: DESIGN OF SIMULATORS IN SCIENTIFIC-TECHNICAL EDUCATION. <i>EDULEARN Proceedings</i> , 2022, , .	0.0	0
3	Analysis and optimization of grape seed oil epoxidation in supercritical CO ₂ . <i>Journal of Supercritical Fluids</i> , 2021, 168, 105070.	3.2	6
4	Synthesis and Operating Optimization of the PEG Conjugate via CuAAC in scCO ₂ . <i>ACS Omega</i> , 2021, 6, 6163-6171.	3.5	3
5	Dataset of working mPEG-alkyne with scCO ₂ . <i>Data in Brief</i> , 2021, 35, 106907.	1.0	0
6	Carbon dioxide sorption and melting behaviour of mPEG-alkyne. <i>Journal of Supercritical Fluids</i> , 2021, 171, 105182.	3.2	4
7	Game-Based Learning and Just-in-Time Teaching to Address Misconceptions and Improve Safety and Learning in Laboratory Activities. <i>Journal of Chemical Education</i> , 2021, 98, 3118-3130.	2.3	9
8	Kinetics of Grape Seed Oil Epoxidation in Supercritical CO ₂ . <i>Catalysts</i> , 2021, 11, 1490.	3.5	3
9	Copper wire as a clean and efficient catalyst for click chemistry in supercritical CO ₂ . <i>Catalysis Today</i> , 2020, 346, 65-68.	4.4	3
10	Measurement, correlation and modelling of high-pressure phase equilibrium of PLGA solutions in CO ₂ . <i>Journal of Supercritical Fluids</i> , 2020, 155, 104637.	3.2	5
11	Production of drug-releasing biodegradable microporous scaffold impregnated with gemcitabine using a CO ₂ foaming process. <i>Journal of CO₂ Utilization</i> , 2020, 41, 101227.	6.8	20
12	Production of biodegradable PLGA foams processed with high pressure CO ₂ . <i>Journal of Supercritical Fluids</i> , 2020, 164, 104886.	3.2	7
13	Cost Effective Use of a Thiosulfinate-Enriched <i>Allium sativum</i> Extract in Combination with Chemotherapy in Colon Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2766.	4.1	13
14	Improvement of PLGA loading and release of curcumin by supercritical technology. <i>Journal of Supercritical Fluids</i> , 2018, 141, 60-67.	3.2	9
15	Functionalization and optimization of PLA with coumarin via click chemistry in supercritical CO ₂ . <i>Journal of CO₂ Utilization</i> , 2017, 20, 20-26.	6.8	9
16	Clean preparation of tailored microcellular foams of polystyrene using nucleating agents and supercritical CO ₂ . <i>Journal of Materials Science</i> , 2016, 51, 4825-4838.	3.7	13
17	Reduction of the carbon footprint through polystyrene recycling: Economical evaluation. <i>Chemical Engineering Research and Design</i> , 2016, 101, 144-151.	5.6	10
18	Optimization of a High Pressure CO ₂ Antisolvent Process for the Recycling of Polystyrene Wastes. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 335-342.	1.9	1

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19	Modification of polystyrene properties by CO ₂ : Experimental study and correlation. Journal of Applied Polymer Science, 2015, 132, .	2.6	7
20	Foaming Process from Polystyrene/p-Cymene Solutions Using CO ₂ . Chemical Engineering and Technology, 2014, 37, 1845-1853.	1.5	6
21	The effect of CO ₂ on the viscosity of polystyrene/limonene solutions. Journal of Supercritical Fluids, 2014, 88, 26-37.	3.2	10
22	Preparation and characterization of polystyrene foams from limonene solutions. Journal of Supercritical Fluids, 2014, 88, 92-104.	3.2	23
23	Adsorption of phenol and chlorophenols onto granular activated carbon and their desorption by supercritical CO ₂ . Journal of Chemical Technology and Biotechnology, 2014, 89, 1660-1667.	3.2	32
24	Modeling the Phase Behavior of Essential Oils in Supercritical CO ₂ for the Design of a Countercurrent Separation Column. Industrial & Engineering Chemistry Research, 2014, 53, 12830-12838.	3.7	14
25	Determination of the high-pressure phase equilibria of Polystyrene/p-Cymene in presence of CO ₂ . Journal of Supercritical Fluids, 2014, 92, 288-298.	3.2	6
26	New considerations in the economic evaluation of supercritical processes: Separation of bioactive compounds from multicomponent mixtures. Journal of Supercritical Fluids, 2013, 79, 345-355.	3.2	22
27	The Selective Dissolution Technique as Initial Step for Polystyrene Recycling. Waste and Biomass Valorization, 2013, 4, 29-36.	3.4	28
28	Development of a strategy for the foaming of polystyrene dissolutions in scCO ₂ . Journal of Supercritical Fluids, 2013, 76, 126-134.	3.2	26
29	Production of biodegradable porous scaffolds impregnated with 5-fluorouracil in supercritical CO ₂ . Journal of Supercritical Fluids, 2013, 80, 1-8.	3.2	38
30	Glycolysis of flexible polyurethane wastes using stannous octoate as the catalyst: Study on the influence of reaction parameters. Polymer Degradation and Stability, 2013, 98, 144-149.	5.8	59
31	High-pressure phase equilibria of Polystyrene dissolutions in Limonene in presence of CO ₂ . Journal of Supercritical Fluids, 2013, 84, 211-220.	3.2	13
32	Optimizing the bulk copolymerization of D,L-lactide and glycolide by response surface methodology. EXPRESS Polymer Letters, 2013, 7, 886-894.	2.1	9
33	Recycling of extruded polystyrene wastes by dissolution and supercritical CO ₂ technology. Journal of Material Cycles and Waste Management, 2012, 14, 308.	3.0	14
34	Production of biodegradable porous scaffolds impregnated with indomethacin in supercritical CO ₂ . Journal of Supercritical Fluids, 2012, 63, 155-160.	3.2	66
35	Optimization of supercritical CO ₂ process for the concentration of tocopherol, carotenoids and chlorophylls from residual olive husk. Journal of Supercritical Fluids, 2011, 59, 72-77.	3.2	41
36	Measurement and modeling of the high-pressure phase equilibria of CO ₂ -Oleoresin Capsicum. Journal of Supercritical Fluids, 2011, 57, 112-119.	3.2	18

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37	Equilibrium data for the separation of oleoresin capsicum using supercritical CO ₂ : A theoretical design of a countercurrent gas extraction column. <i>Journal of Supercritical Fluids</i> , 2011, 57, 1-8.	3.2	13
38	Influence of the Operative Conditions on the Characteristics of Poly(D,L-lactide-co-glycolide) Synthesized in Supercritical Carbon Dioxide. <i>Macromolecular Symposia</i> , 2010, 287, 111-118.	0.7	7
39	High-pressure phase equilibria of binary and ternary mixtures of carbon dioxide, triglycerides and free fatty acids: Measurement and modeling with the GC-EOS. <i>Fluid Phase Equilibria</i> , 2010, 295, 1-8.	2.5	18
40	Supercritical fluid fractionation of liquid oleoresin capsicum: Statistical analysis and solubility parameters. <i>Journal of Supercritical Fluids</i> , 2010, 54, 22-29.	3.2	22
41	Recycling extruded polystyrene by dissolution with suitable solvents. <i>Journal of Material Cycles and Waste Management</i> , 2009, 11, 2-5.	3.0	42
42	Study of the solubility and stability of polystyrene wastes in a dissolution recycling process. <i>Waste Management</i> , 2009, 29, 1814-1818.	7.4	135
43	Modelling of the phase behaviour for vegetable oils at supercritical conditions. <i>Journal of Supercritical Fluids</i> , 2009, 48, 189-194.	3.2	31
44	Application of Supercritical Fluid Extraction for the Recovery of Aroma Compounds to be Used in Fast Aged Rum Production. <i>Food Science and Technology Research</i> , 2009, 15, 353-360.	0.6	5
45	Application of Supercritical Fluid Extraction to Brewer's Spent Grain Management. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 1614-1619.	3.7	24
46	Solubility Determination and Model Prediction of Olive Husk Oil in Supercritical Carbon Dioxide and Cosolvents. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 5061-5066.	3.7	37
47	Improvement of the Waste-Oil Vacuum-Distillation Recycling by Continuous Extraction with Dense Propane. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 266-272.	3.7	26
48	Regeneration of used lubricant oil by ethane extraction. <i>Journal of Supercritical Fluids</i> , 2007, 39, 315-322.	3.2	58
49	Isolation of aroma compounds from sugar cane spirits by supercritical CO ₂ . <i>Journal of Supercritical Fluids</i> , 2007, 43, 37-42.	3.2	32
50	Waste Oil Recycling Using Mixtures of Polar Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 7854-7859.	3.7	33
51	Regeneration of Used Lubricant Oil by Polar Solvent Extraction. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 4373-4379.	3.7	63
52	Continuous fractionation of used frying oil by supercritical CO ₂ . <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2004, 81, 879-885.	1.9	22
53	Influence of operation variables on quality parameters of olive husk oil extracted with CO ₂ : Three-step sequential extraction. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2003, 80, 181-188.	1.9	24
54	Regeneration of Used Lubricant Oil by Propane Extraction. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 4867-4873.	3.7	52

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55	Influence of operating variables on yield and quality parameters of olive husk oil extracted with supercritical carbon dioxide. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2002, 79, 237-243.	1.9	33
56	Supercritical fluid extraction of tocopherol concentrates from olive tree leaves. <i>Journal of Supercritical Fluids</i> , 2002, 22, 221-228.	3.2	112
57	Optimization of <i>Allium sativum</i> Solvent Extraction for the Inhibition of in Vitro Growth of <i>Helicobacter Pylori</i> . <i>Biotechnology Progress</i> , 2002, 18, 1227-1232.	2.6	28
58	Modified W/HZSM-5 catalysts: structure and catalytic properties. <i>Journal of Molecular Catalysis A</i> , 2001, 171, 195-203.	4.8	15
59	Partial oxidation of methane to formaldehyde over Mo/HZSM-5 catalysts. <i>Applied Catalysis A: General</i> , 2000, 203, 81-90.	4.3	38
60	Isolation of Rock Rose Essential Oil Using Supercritical CO ₂ Extraction. <i>Separation Science and Technology</i> , 2000, 35, 2745-2763.	2.5	29