

# Juan F Rodriguez

## List of Publications by Year in descending order

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204  
papers

6,329  
citations

66315

42  
h-index

95218

68  
g-index

207  
all docs

207  
docs citations

207  
times ranked

5044  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microencapsulated phase change materials for enhancing the thermal performance of Portland cement concrete and geopolymer concrete for passive building applications. <i>Energy Conversion and Management</i> , 2017, 133, 56-66.	4.4	222
2	Development of thermo-regulating textiles using paraffin wax microcapsules. <i>Thermochimica Acta</i> , 2010, 498, 16-21.	1.2	218
3	Microencapsulation of PCMs with a polystyrene shell. <i>Colloid and Polymer Science</i> , 2007, 285, 1377-1385.	1.0	197
4	Recycling of polyurethanes from laboratory to industry, a journey towards the sustainability. <i>Waste Management</i> , 2018, 76, 147-171.	3.7	192
5	Microencapsulation of PCMs with a styrene-methyl methacrylate copolymer shell by suspension-like polymerisation. <i>Chemical Engineering Journal</i> , 2010, 157, 216-222.	6.6	181
6	Synthesis and characterization of microcapsules containing Rubitherm®RT27 obtained by spray drying. <i>Chemical Engineering Journal</i> , 2011, 166, 384-390.	6.6	143
7	Improvement of the thermal behaviour of gypsum blocks by the incorporation of microcapsules containing PCMS obtained by suspension polymerization with an optimal core/coating mass ratio. <i>Applied Thermal Engineering</i> , 2010, 30, 1164-1169.	3.0	136
8	Study of the solubility and stability of polystyrene wastes in a dissolution recycling process. <i>Waste Management</i> , 2009, 29, 1814-1818.	3.7	135
9	Mechanical properties and microscale changes of geopolymer concrete and Portland cement concrete containing micro-encapsulated phase change materials. <i>Cement and Concrete Research</i> , 2017, 100, 341-349.	4.6	132
10	Effect of freeze-thaw cycles on the mechanical behavior of geopolymer concrete and Portland cement concrete containing micro-encapsulated phase change materials. <i>Construction and Building Materials</i> , 2019, 200, 94-103.	3.2	117
11	Thermal testing and numerical simulation of gypsum wallboards incorporated with different PCMs content. <i>Applied Energy</i> , 2011, 88, 930-937.	5.1	111
12	Production of biodiesel from winery waste: Extraction, refining and transesterification of grape seed oil. <i>Bioresource Technology</i> , 2010, 101, 7019-7024.	4.8	104
13	Influence of operation conditions on the microencapsulation of PCMs by means of suspension-like polymerization. <i>Colloid and Polymer Science</i> , 2008, 286, 1019-1027.	1.0	102
14	Synthesis and Characterization of Paraffin Wax Microcapsules with Acrylic-Based Polymer Shells. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 12204-12211.	1.8	92
15	Effect of the Current Intensity in the Electrochemical Oxidation of Aqueous Phenol Wastes at an Activated Carbon and Steel Anode. <i>Industrial &amp; Engineering Chemistry Research</i> , 1999, 38, 3779-3785.	1.8	86
16	Recovery of polyols from flexible polyurethane foam by "split-phase" glycolysis with new catalysts. <i>Polymer Degradation and Stability</i> , 2006, 91, 894-901.	2.7	79
17	Combined adsorption and ion exchange equilibrium of phenol on Amberlite IRA-420. <i>Chemical Engineering Journal</i> , 2006, 117, 155-160.	6.6	78
18	Physical and mechanical properties of fly ash and slag geopolymer concrete containing different types of micro-encapsulated phase change materials. <i>Construction and Building Materials</i> , 2018, 173, 28-39.	3.2	77

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19	Thermal analysis of multi-layer walls containing geopolymers concrete and phase change materials for building applications. <i>Energy</i> , 2019, 186, 115792.	4.5	71
20	Production of biodegradable porous scaffolds impregnated with indomethacin in supercritical CO <sub>2</sub> . <i>Journal of Supercritical Fluids</i> , 2012, 63, 155-160.	1.6	66
21	Glycolysis of viscoelastic flexible polyurethane foam wastes. <i>Polymer Degradation and Stability</i> , 2015, 116, 23-35.	2.7	66
22	Electrochemical oxidation of Acid Yellow 1 using diamond anode. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 2285-2289.	1.5	65
23	Influence of microcapsule size and shell polarity on thermal and mechanical properties of thermoregulating geopolymers concrete for passive building applications. <i>Energy Conversion and Management</i> , 2018, 164, 198-209.	4.4	65
24	Comparison of three different devices available in Spain to test thermal properties of building materials including phase change materials. <i>Applied Energy</i> , 2013, 109, 421-427.	5.1	64
25	Glycolysis of flexible polyurethane wastes containing polymeric polyols. <i>Polymer Degradation and Stability</i> , 2014, 109, 115-121.	2.7	64
26	Recovery of polyols from flexible polyurethane foam by "split-phase" glycolysis: Glycol influence. <i>Polymer Degradation and Stability</i> , 2006, 91, 221-228.	2.7	63
27	Modelling the epoxidation reaction of grape seed oil by peracetic acid. <i>Journal of Cleaner Production</i> , 2016, 138, 70-76.	4.6	62
28	Recovery of polyols from flexible polyurethane foam by "split-phase" glycolysis: Study on the influence of reaction parameters. <i>Polymer Degradation and Stability</i> , 2008, 93, 353-361.	2.7	61
29	Characterization of rigid polyurethane foams containing microencapsulated phase change materials: Microcapsules type effect. <i>Journal of Applied Polymer Science</i> , 2013, 128, 582-590.	1.3	60
30	Development of smart gypsum composites by incorporating thermoregulating microcapsules. <i>Energy and Buildings</i> , 2014, 76, 631-639.	3.1	60
31	Glycolysis of flexible polyurethane wastes using stannous octoate as the catalyst: Study on the influence of reaction parameters. <i>Polymer Degradation and Stability</i> , 2013, 98, 144-149.	2.7	59
32	Reducing heat loss through the building envelope by using polyurethane foams containing thermoregulating microcapsules. <i>Applied Thermal Engineering</i> , 2016, 103, 226-232.	3.0	57
33	Thermodynamic evaluation of new absorbent mixtures of lithium bromide and organic salts for absorption refrigeration machines. <i>International Journal of Refrigeration</i> , 2006, 29, 30-35.	1.8	56
34	Thermal and morphological stability of polystyrene microcapsules containing phase change materials. <i>Journal of Applied Polymer Science</i> , 2011, 120, 291-297.	1.3	53
35	Tin compounds as Lewis acid catalysts for esterification and transesterification of acid vegetable oils. <i>Fuel Processing Technology</i> , 2013, 106, 321-325.	3.7	52
36	Optimization of the reaction parameters for fast pseudo single-phase transesterification of sunflower oil. <i>Fuel</i> , 2010, 89, 650-658.	3.4	48

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37	Polymeric-SiO <sub>2</sub> -PCMs for improving the thermal properties of gypsum applied in energy efficient buildings. <i>Energy Conversion and Management</i> , 2014, 87, 138-144.	4.4	47
38	Thermal degradation and fire behaviour of novel polyurethanes based on phosphate polyols. <i>Polymer Degradation and Stability</i> , 2014, 101, 40-51.	2.7	46
39	Applying an Experimental Design to Improve the Characteristics of Microcapsules Containing Phase Change Materials for Fabric Uses. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 9783-9790.	1.8	45
40	Characterization of rigid polyurethane foams containing microencapsulated Rubitherm® RT27: catalyst effect. Part II. <i>Journal of Materials Science</i> , 2011, 46, 347-356.	1.7	45
41	Valorization of crude glycerol as a novel transesterification agent in the glycolysis of polyurethane foam waste. <i>Polymer Degradation and Stability</i> , 2015, 121, 126-136.	2.7	45
42	Performance evaluation and simulation of a new absorbent for an absorption refrigeration system. <i>International Journal of Refrigeration</i> , 2004, 27, 324-330.	1.8	44
43	Purification of glycerol/water solutions from biodiesel synthesis by ion exchange: sodium removal Part I. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 738-744.	1.6	44
44	Characterization of rigid polyurethane foams containing microencapsulated Rubitherm® RT27. Part I. <i>Journal of Materials Science</i> , 2010, 45, 4462-4469.	1.7	44
45	Thermal analysis of geopolymer concrete walls containing microencapsulated phase change materials for building applications. <i>Solar Energy</i> , 2019, 178, 295-307.	2.9	44
46	Glycolysis of high resilience flexible polyurethane foams containing polyurethane dispersion polyol. <i>Polymer Degradation and Stability</i> , 2016, 133, 119-130.	2.7	43
47	A generalized model for the measurement of effective diffusion coefficients of heterovalent ions in ion exchangers by the zero-length column method. <i>Chemical Engineering Science</i> , 2004, 59, 71-79.	1.9	42
48	Recycling extruded polystyrene by dissolution with suitable solvents. <i>Journal of Material Cycles and Waste Management</i> , 2009, 11, 2-5.	1.6	42
49	Ion-Exchange Equilibria of Cu <sup>2+</sup> , Cd <sup>2+</sup> , Zn <sup>2+</sup> , and Na <sup>+</sup> ions on the Cationic Exchanger Amberlite IR-120. <i>Journal of Chemical &amp; Engineering Data</i> , 2001, 46, 1404-1409.	1.0	41
50	Optimization of supercritical CO <sub>2</sub> process for the concentration of tocopherol, carotenoids and chlorophylls from residual olive husk. <i>Journal of Supercritical Fluids</i> , 2011, 59, 72-77.	1.6	41
51	Thermal performance and numerical simulation of geopolymer concrete containing different types of thermoregulating materials for passive building applications. <i>Energy and Buildings</i> , 2018, 173, 678-688.	3.1	41
52	Activities of octoate salts as novel catalysts for the transesterification of flexible polyurethane foams with diethylene glycol. <i>Polymer Degradation and Stability</i> , 2009, 94, 533-539.	2.7	39
53	Equilibrium Data for the Exchange of Cu <sup>2+</sup> , Cd <sup>2+</sup> , and Zn <sup>2+</sup> ions for H <sup>+</sup> on the Cationic Exchanger Amberlite IR-120. <i>Journal of Chemical &amp; Engineering Data</i> , 2002, 47, 613-617.	1.0	38
54	Vapor Pressures, Densities, and Viscosities of the (Water + Lithium Bromide + Sodium Formate) System and (Water + Lithium Bromide + Potassium Formate) System. <i>Journal of Chemical &amp; Engineering Data</i> , 2003, 48, 18-22.	1.0	38

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55	Influence of the use of recycled polyols obtained by glycolysis on the preparation and physical properties of flexible polyurethane. <i>Journal of Applied Polymer Science</i> , 2008, 109, 617-626.	1.3	38
56	Production of biodegradable porous scaffolds impregnated with 5-fluorouracil in supercritical CO <sub>2</sub> . <i>Journal of Supercritical Fluids</i> , 2013, 80, 1-8.	1.6	38
57	Effect of temperature on geopolymer and Portland cement composites modified with Micro-encapsulated Phase Change materials. <i>Construction and Building Materials</i> , 2020, 252, 119055.	3.2	37
58	Measurements of Effective Self-diffusion Coefficients in a Gel-Type Cation Exchanger by the Zero-Length-Column Method. <i>Industrial &amp; Engineering Chemistry Research</i> , 1998, 37, 2020-2028.	1.8	34
59	Influence of different suspension stabilizers on the preparation of Rubitherm RT31 microcapsules. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 390, 62-66.	2.3	34
60	Novel Model for the Description of the Controlled Release of 5-Fluorouracil from PLGA and PLA Foamed Scaffolds Impregnated in Supercritical CO <sub>2</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 15374-15382.	1.8	34
61	Influence of Microcapsule Size and Shell Polarity on the Time-Dependent Viscosity of Geopolymer Paste. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 9457-9464.	1.8	34
62	Glycolysis of flexible polyurethane wastes using stannous octoate as the catalyst. <i>Journal of Material Cycles and Waste Management</i> , 2009, 11, 130-132.	1.6	33
63	Isolation of aroma compounds from sugar cane spirits by supercritical CO <sub>2</sub> . <i>Journal of Supercritical Fluids</i> , 2007, 43, 37-42.	1.6	32
64	Adsorption of phenol and chlorophenols onto granular activated carbon and their desorption by supercritical CO <sub>2</sub> . <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1660-1667.	1.6	32
65	Thermo-Chemical Decomposition Study of Polyurethane Elastomer Through Glycerolysis Route with Using Crude and Refined Glycerine as a Transesterification Agent. <i>Journal of Polymers and the Environment</i> , 2018, 26, 166-174.	2.4	32
66	Synthesis of polyols by anionic polymerization: determination of kinetic parameters of propylene oxide polymerization using caesium and potassium alcoholates. <i>Polymer International</i> , 2002, 51, 1066-1071.	1.6	31
67	Modelling of the phase behaviour for vegetable oils at supercritical conditions. <i>Journal of Supercritical Fluids</i> , 2009, 48, 189-194.	1.6	31
68	Flexible polyurethane foams synthesized employing recovered polyols from glycolysis: Physical and structural properties. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45087.	1.3	30
69	Vapour pressures, densities, and viscosities of the (water+lithium bromide+potassium acetate) system and (water+lithium bromide+sodium lactate) system. <i>Journal of Chemical Thermodynamics</i> , 2006, 38, 123-129.	1.0	29
70	Purification of glycerol/water solutions from biodiesel synthesis by ion exchange: sodium and chloride removal. Part II. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1130-1135.	1.6	29
71	A novel click-chemistry approach to flame retardant polyurethanes. <i>Reactive and Functional Polymers</i> , 2013, 73, 1207-1212.	2.0	29
72	Absorption of Water Vapor into New Working Fluids for Absorption Refrigeration Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 345-350.	1.8	28

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73	Ion-Exchange Equilibria of Pb <sup>2+</sup> , Ni <sup>2+</sup> , and Cr <sup>3+</sup> Ions for H <sup>+</sup> on Amberlite IR-120 Resin. <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 1325-1331.	1.0	28
74	The Selective Dissolution Technique as Initial Step for Polystyrene Recycling. <i>Waste and Biomass Valorization</i> , 2013, 4, 29-36.	1.8	28
75	Recovery of Nicotine from Aqueous Extracts of Tobacco Wastes by an H <sup>+</sup> -Form Strong-Acid Ion Exchanger. <i>Industrial &amp; Engineering Chemistry Research</i> , 1998, 37, 4783-4791.	1.8	27
76	Removal of chloride ions from an industrial polyethylenimine flocculant shifting it into an adhesive promoter using the anion exchange resin Amberlite IRA-420. <i>Reactive and Functional Polymers</i> , 2008, 68, 1218-1224.	2.0	26
77	Scale-up of a suspension-like polymerization process for the microencapsulation of phase change materials. <i>Journal of Microencapsulation</i> , 2010, 27, 583-593.	1.2	26
78	Development of a strategy for the foaming of polystyrene dissolutions in scCO <sub>2</sub> . <i>Journal of Supercritical Fluids</i> , 2013, 76, 126-134.	1.6	26
79	Enhancing the thermal comfort of fabrics for the footwear industry. <i>Textile Research Journal</i> , 2013, 83, 1754-1763.	1.1	25
80	Supercritical extraction and fractionation of <i>Jatropha curcas</i> L. oil for biodiesel production. <i>Journal of Supercritical Fluids</i> , 2015, 97, 100-106.	1.6	25
81	Glycolysis of advanced polyurethanes composites containing thermoregulating microcapsules. <i>Chemical Engineering Journal</i> , 2018, 350, 300-311.	6.6	25
82	Application of Supercritical Fluid Extraction to Brewer's Spent Grain Management. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 1614-1619.	1.8	24
83	A hydrophobic release agent containing SiO <sub>2</sub> -CH <sub>3</sub> submicron-sized particles for waterproofing mortar structures. <i>Construction and Building Materials</i> , 2019, 199, 30-39.	3.2	24
84	Comparison between Heterogeneous and Homogeneous MASS Action Models in the Prediction of Ternary Ion Exchange Equilibria. <i>Industrial &amp; Engineering Chemistry Research</i> , 1999, 38, 251-259.	1.8	23
85	Preparation and characterization of polystyrene foams from limonene solutions. <i>Journal of Supercritical Fluids</i> , 2014, 88, 92-104.	1.6	23
86	The role of microstructure on the mechanical properties of polyurethane foams containing thermoregulating microcapsules. <i>Polymer Testing</i> , 2017, 60, 274-282.	2.3	23
87	Supercritical fluid fractionation of liquid oleoresin capsicum: Statistical analysis and solubility parameters. <i>Journal of Supercritical Fluids</i> , 2010, 54, 22-29.	1.6	22
88	New considerations in the economic evaluation of supercritical processes: Separation of bioactive compounds from multicomponent mixtures. <i>Journal of Supercritical Fluids</i> , 2013, 79, 345-355.	1.6	22
89	Equilibrium data of the exchange of Cu <sup>2+</sup> , Cd <sup>2+</sup> and Zn <sup>2+</sup> ions for H <sup>+</sup> on the cationic exchanger Lewatit TP-207. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 1371-1375.	1.6	21
90	Applying surfactants to improve the absorption capacity of mixtures of lithium bromide and formates in absorption refrigeration coolers. <i>International Journal of Refrigeration</i> , 2008, 31, 1073-1080.	1.8	21

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91	Extraction of <i>Capsicum annuum</i> Oleoresin by Maceration and Ultrasound-Assisted Extraction: Influence of Parameters and Process Modeling. <i>Journal of Food Process Engineering</i> , 2013, 36, 343-352.	1.5	21
92	Influence of gelation step for preparing PEG-SiO <sub>2</sub> shape-stabilized phase change materials by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 731-742.	1.1	20
93	Production of drug-releasing biodegradable microporous scaffold impregnated with gemcitabine using a CO <sub>2</sub> foaming process. <i>Journal of CO<sub>2</sub> Utilization</i> , 2020, 41, 101227.	3.3	20
94	Determination of Intraparticle Diffusivities of Na <sup>+</sup> /K <sup>+</sup> in Water and Water/Alcohol Mixed Solvents on a Strong Acid Cation Exchanger. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 3019-3027.	1.8	19
95	Model for the determination of diffusion coefficients of heterovalent ions in macroporous ion exchange resins by the zero-length column method. <i>Chemical Engineering Science</i> , 2005, 60, 5836-5844.	1.9	19
96	Copolymerization of D,L-lactide and glycolide in supercritical carbon dioxide with zinc octoate as catalyst. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 85B, 196-203.	1.6	19
97	Kinetics of the ring-opening polymerization of D,L-lactide using zinc (II) octoate as catalyst. <i>Polymer International</i> , 2012, 61, 265-273.	1.6	19
98	Full conversion of oleic acid to estolides esters, biodiesel and choline carboxylates in three easy steps. <i>Journal of Cleaner Production</i> , 2018, 184, 579-585.	4.6	19
99	Flame retardancy of rigid polyurethane foams containing thermoregulating microcapsules with phosphazene-based monomers. <i>Journal of Materials Science</i> , 2021, 56, 1172-1188.	1.7	19
100	The ion exchange equilibria of Na <sup>+</sup> /K <sup>+</sup> in nonaqueous and mixed solvents on a strong acid cation exchanger. <i>Chemical Engineering Science</i> , 2002, 57, 1943-1954.	1.9	18
101	Removal of caesium catalyst from polyols by ion exchange on Amberlite 252. <i>Reactive and Functional Polymers</i> , 2005, 64, 139-150.	2.0	18
102	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.	1.4	18
103	Measurement and modeling of the high-pressure phase equilibria of CO <sub>2</sub> -Oleoresin Capsicum. <i>Journal of Supercritical Fluids</i> , 2011, 57, 112-119.	1.6	18
104	Validation of a Mathematical Model for the Description of Hydrophilic and Hydrophobic Drug Delivery from Biodegradable Foams: Experimental and Comparison Using Indomethacin as Released Drug. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 8866-8873.	1.8	18
105	Removal of Alkaline Catalysts from Polyols by Ion Exchange: Selection of an Ion-Exchange Resin. <i>Separation Science and Technology</i> , 1995, 30, 125-140.	1.3	17
106	Potassium removal from water-methanol-polyol mixtures by ion exchange on Amberlite 252. <i>Chemical Engineering Journal</i> , 1997, 66, 137-147.	6.6	17
107	Chemical Degradation of Polymers (Polyurethanes, Polycarbonate and Polyamide) by Esters of H-phosphonic and Phosphoric Acids. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013, 50, 774-795.	1.2	17
108	Minimizing the environmental impact of the regeneration process of an ion exchange bed charged with transition metals. <i>Separation and Purification Technology</i> , 2006, 49, 167-173.	3.9	16

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109	New type of highly selective microcapsules for the removal of mercury from surface polluted waters. Separation and Purification Technology, 2015, 154, 255-262.	3.9	16
110	Comparison of flexible polyurethane foams properties from different polymer polyether polyols. Polymer Testing, 2021, 100, 107268.	2.3	16
111	SELECTION OF A CATION EXCHANGE RESIN TO PRODUCE LACTIC ACID SOLUTIONS FROM WHEY FERMENTATION BROTHS. Solvent Extraction and Ion Exchange, 1997, 15, 329-345.	0.8	15
112	Ion Exchange Equilibria in Nonaqueous and Mixed Solvents on the Cationic Exchanger Amberlite IR-120. Journal of Chemical & Engineering Data, 2001, 46, 73-78.	1.0	15
113	Kinetic Study of $D,L$ -Lactide and Glycolide Homopolymerizations by Differential Scanning Calorimetry. Macromolecular Chemistry and Physics, 2008, 209, 818-824.	1.1	15
114	Preparation of coated thermo-regulating textiles using Rubitherm <sup>®</sup> RT31 microcapsules. Journal of Applied Polymer Science, 2012, 124, 4809-4818.	1.3	15
115	Click <sup>®</sup> ligation of coumarin to polyether polyols for polyurethane foams. Polymer International, 2013, 62, 783-790.	1.6	15
116	Equilibrium adsorption of polyvinylpyrrolidone and its role on thermoregulating microcapsules synthesis process. Colloid and Polymer Science, 2017, 295, 783-792.	1.0	15
117	Rheological and thermal properties of suspensions of microcapsules containing phase change materials. Colloid and Polymer Science, 2018, 296, 981-988.	1.0	15
118	Recycling of extruded polystyrene wastes by dissolution and supercritical CO <sub>2</sub> technology. Journal of Material Cycles and Waste Management, 2012, 14, 308.	1.6	14
119	Modeling the Phase Behavior of Essential Oils in Supercritical CO <sub>2</sub> for the Design of a Countercurrent Separation Column. Industrial & Engineering Chemistry Research, 2014, 53, 12830-12838.	1.8	14
120	Synthesis of aminophosphonate polyols and polyurethane foams with improved fire retardant properties. Journal of Applied Polymer Science, 2019, 136, 47780.	1.3	14
121	Purification by Liquid Extraction of Recovered Polyols. Solvent Extraction and Ion Exchange, 2006, 24, 719-730.	0.8	13
122	Study of Different Catalysts and Initiators in Bulk Copolymerization of $d,l$ -Lactide and Glycolide. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 1049-1059.	1.2	13
123	Equilibrium data for the separation of oleoresin capsicum using supercritical CO <sub>2</sub> : A theoretical design of a countercurrent gas extraction column. Journal of Supercritical Fluids, 2011, 57, 1-8.	1.6	13
124	High-pressure phase equilibria of Polystyrene dissolutions in Limonene in presence of CO <sub>2</sub> . Journal of Supercritical Fluids, 2013, 84, 211-220.	1.6	13
125	Development and validation of a non-aqueous capillary electrophoresis method for the determination of imatinib, codeine and morphine in human urine. Analytical Methods, 2014, 6, 3842.	1.3	13
126	Clean preparation of tailored microcellular foams of polystyrene using nucleating agents and supercritical CO <sub>2</sub> . Journal of Materials Science, 2016, 51, 4825-4838.	1.7	13

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127	Synthesis of rigid polyurethane foams from phosphorylated biopolyols. <i>Environmental Science and Pollution Research</i> , 2019, 26, 3174-3183.	2.7	13
128	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.	1.8	13
129	Ion-Exchange Kinetics for the Removal of Potassium from Crude Polyols on Strong Acid Resins. <i>Separation Science and Technology</i> , 1997, 32, 1805-1820.	1.3	12
130	Kinetics and Mechanism of the Chemical Degradation of Flexible Polyurethane Foam Wastes with Dimethyl H-phosphonate with Different Catalysts. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 47, 983-990.	1.2	11
131	Incorporation of azide groups into bio-polyols. <i>Journal of Cleaner Production</i> , 2016, 138, 77-82.	4.6	11
132	Modelling the mercury removal from polluted waters by using TOMAC microcapsules considering the metal speciation. <i>Chemical Engineering Journal</i> , 2018, 341, 308-316.	6.6	11
133	Predicting microcapsules morphology and encapsulation efficiency by combining the spreading coefficient theory and polar surface energy component. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 554, 49-59.	2.3	11
134	ION EXCHANGE EQUILIBRIUM OF POTASSIUM ON STRONG ACID RESINS IN POLYOL MEDIA. <i>Solvent Extraction and Ion Exchange</i> , 1996, 14, 141-159.	0.8	10
135	Application of ion exchange to purify acarbose from fermentation broths. <i>Biochemical Engineering Journal</i> , 2008, 40, 130-137.	1.8	10
136	Synthesis of sulphonated microcapsules of P(Stâ€“DVB) containing di(2-ethylhexyl)phosphoric acid. <i>Reactive and Functional Polymers</i> , 2011, 71, 891-898.	2.0	10
137	Novel polyol initiator from polyurethane recycling residue. <i>Journal of Material Cycles and Waste Management</i> , 2014, 16, 525.	1.6	10
138	The effect of CO <sub>2</sub> on the viscosity of polystyrene/limonene solutions. <i>Journal of Supercritical Fluids</i> , 2014, 88, 26-37.	1.6	10
139	Sustainable Polyurethanes: Chemical Recycling to Get It. <i>Handbook of Environmental Chemistry</i> , 2014, , 229-260.	0.2	10
140	Reduction of the carbon footprint through polystyrene recycling: Economical evaluation. <i>Chemical Engineering Research and Design</i> , 2016, 101, 144-151.	2.7	10
141	Removal of Alkaline Catalysts from Polyols by Ion Exchange. <i>Separation Science and Technology</i> , 1995, 30, 949-961.	1.3	9
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