

Selene Guelli Souza

List of Publications by Year in descending order

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141
papers

3,798
citations

126907
33
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168389
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143
all docs

143
docs citations

143
times ranked

5189
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of COD and color from hydrolyzed textile azo dye by combined ozonation and biological treatment. <i>Journal of Hazardous Materials</i> , 2010, 179, 35-42.	12.4	270
2	Toxicity of textile dyes and their degradation by the enzyme horseradish peroxidase (HRP). <i>Journal of Hazardous Materials</i> , 2007, 147, 1073-1078.	12.4	241
3	Study of lead (II) adsorption onto activated carbon originating from cow bone. <i>Journal of Cleaner Production</i> , 2014, 65, 342-349.	9.3	198
4	Removal of metal ions from a petrochemical wastewater using brown macro-algae as natural cation-exchangers. <i>Chemical Engineering Journal</i> , 2016, 286, 1-15.	12.7	98
5	Insights into real cotton-textile dyeing wastewater treatment using solar advanced oxidation processes. <i>Environmental Science and Pollution Research</i> , 2014, 21, 932-945.	5.3	91
6	Numerical study of two-phase flow patterns in the gas channel of PEM fuel cells with tapered flow field design. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 2261-2273.	7.1	85
7	The use of design of experiments for the evaluation of the production of surface rich activated carbon from sewage sludge via microwave and conventional pyrolysis. <i>Applied Thermal Engineering</i> , 2016, 93, 590-597.	6.0	83
8	Removal of reactive dyes from aqueous solutions using combined coagulation/flocculation and adsorption on activated carbon. <i>Resources, Conservation and Recycling</i> , 2010, 54, 283-290.	10.8	80
9	Enhancement of a solar photo-Fenton reaction with ferric-organic ligands for the treatment of acrylic-textile dyeing wastewater. <i>Journal of Environmental Management</i> , 2015, 152, 120-131.	7.8	78
10	Brown marine macroalgae as natural cation exchangers for toxic metal removal from industrial wastewaters: A review. <i>Journal of Environmental Management</i> , 2018, 223, 215-253.	7.8	68
11	Integrated reduction/oxidation reactions and sorption processes for Cr(VI) removal from aqueous solutions using <i>Laminaria digitata</i> macro-algae. <i>Chemical Engineering Journal</i> , 2014, 237, 443-454.	12.7	66
12	The application of textile sludge adsorbents for the removal of Reactive Red 2 dye. <i>Journal of Environmental Management</i> , 2016, 168, 149-156.	7.8	64
13	Removal of hexavalent chromium from electroplating wastewaters using marine macroalga <i>Pelvetia canaliculata</i> as natural electron donor. <i>Chemical Engineering Journal</i> , 2016, 290, 477-489.	12.7	61
14	Influence of solvent addition on the physicochemical properties of Brazilian gasoline. <i>Fuel</i> , 2008, 87, 2168-2177.	6.4	59
15	Chemical and electrochemical advanced oxidation processes as a polishing step for textile wastewater treatment: A study regarding the discharge into the environment and the reuse in the textile industry. <i>Journal of Cleaner Production</i> , 2018, 198, 430-442.	9.3	57
16	Marine macroalgae <i>Pelvetia canaliculata</i> (Phaeophyceae) as a natural cation exchanger for cadmium and lead ions separation in aqueous solutions. <i>Chemical Engineering Journal</i> , 2014, 242, 294-305.	12.7	54
17	Study of the effects of flow channel with non-uniform cross-sectional area on PEMFC species and heat transfer. <i>International Journal of Heat and Mass Transfer</i> , 2011, 54, 4462-4472.	4.8	52
18	Analysis of the high-fructose syrup production using reactive SMB technology. <i>Chemical Engineering Journal</i> , 2006, 118, 167-181.	12.7	47

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19	Electrospun TiO ₂ nanofibers for water and wastewater treatment: a review. <i>Journal of Materials Science</i> , 2021, 56, 5428-5448.	3.7	47
20	Optimization of water networks in industrial processes. <i>Journal of Cleaner Production</i> , 2009, 17, 857-862.	9.3	46
21	Numerical study of the adsorption of dyes from textile effluents. <i>Applied Mathematical Modelling</i> , 2008, 32, 1711-1718.	4.2	45
22	Flow regimes for liquid water transport in a tapered flow channel of proton exchange membrane fuel cells (PEMFCs). <i>Journal of Power Sources</i> , 2013, 234, 260-271.	7.8	44
23	Marine macroalgae <i>Pelvetia canaliculata</i> (Linnaeus) as natural cation exchanger for metal ions separation: A case study on copper and zinc ions removal. <i>Chemical Engineering Journal</i> , 2014, 247, 320-329.	12.7	44
24	Adding value to marine macro-algae <i>Laminaria digitata</i> through its use in the separation and recovery of trivalent chromium ions from aqueous solution. <i>Chemical Engineering Journal</i> , 2012, 193-194, 348-357.	12.7	43
25	Toxicity of enzymatically decolored textile dyes solution by horseradish peroxidase. <i>Journal of Hazardous Materials</i> , 2018, 360, 82-88.	12.4	43
26	Removal of Remazol Blue RR dye from aqueous solutions with Neem leaves and evaluation of their acute toxicity with <i>Daphnia magna</i> . <i>Journal of Hazardous Materials</i> , 2009, 164, 1580-1585.	12.4	42
27	Desulfurization and denitrogenation of heavy gas oil by <i>Rhodococcus erythropolis</i> ATCC 4277. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 1447-1453.	3.4	42
28	Low-cost iron-doped catalyst for phenol degradation by heterogeneous Fenton. <i>Journal of Hazardous Materials</i> , 2018, 359, 96-103.	12.4	41
29	Application of ecofriendly cation exchangers (<i>Gracilaria caudata</i> and <i>Gracilaria cervicornis</i>) for metal ions separation and recovery from a synthetic petrochemical wastewater: Batch and fixed bed studies. <i>Journal of Cleaner Production</i> , 2018, 172, 1928-1945.	9.3	40
30	Alginate and carboxymethyl cellulose in monolayer and bilayer films as wound dressings: Effect of the polymer ratio. <i>Journal of Applied Polymer Science</i> , 2019, 136, 46941.	2.6	39
31	Insights into trivalent chromium biosorption onto protonated brown algae <i>Pelvetia canaliculata</i> : Distribution of chromium ionic species on the binding sites. <i>Chemical Engineering Journal</i> , 2012, 200-202, 140-148.	12.7	35
32	Solvent extraction of vegetable oils: Numerical and experimental study. <i>Food and Bioproducts Processing</i> , 2012, 90, 199-204.	3.6	34
33	Production of antimicrobial textiles by cotton fabric functionalization and pectinolytic enzyme immobilization. <i>Materials Chemistry and Physics</i> , 2018, 208, 28-34.	4.0	34
34	Benzene and toluene removal from synthetic automotive gasoline by mono and bicomponent adsorption process. <i>Fuel</i> , 2018, 231, 45-52.	6.4	34
35	Biodegradation of BTEX compounds in a biofilm reactor—Modeling and simulation. <i>Journal of Petroleum Science and Engineering</i> , 2010, 70, 131-139.	4.2	33
36	Recovery of norbixin from a raw extraction solution of annatto pigments using colloidal gas aphrons (CGAs). <i>Separation and Purification Technology</i> , 2006, 48, 208-213.	7.9	32

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37	Application of Water Source Diagram (WSD) method for the reduction of water consumption in petroleum refineries. <i>Resources, Conservation and Recycling</i> , 2009, 53, 149-154.	10.8	32
38	Textile wastewater treatment using low-cost adsorbent aiming the water reuse in dyeing process. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 2705-2712.	6.7	31
39	Assessment of AOPs as a polishing step in the decolourisation of bio-treated textile wastewater: Technical and economic considerations. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 317, 26-38.	3.9	28
40	Marine macro-alga <i>Sargassum cymosum</i> as electron donor for hexavalent chromium reduction to trivalent state in aqueous solutions. <i>Chemical Engineering Journal</i> , 2016, 283, 903-910.	12.7	27
41	Application of a fluidized bed bioreactor for cod reduction in textile industry effluents. <i>Resources, Conservation and Recycling</i> , 2008, 52, 511-521.	10.8	26
42	Encapsulation of bixin in PHBV using SEDS technique and in vitro release evaluation. <i>Industrial Crops and Products</i> , 2014, 60, 22-29.	5.2	26
43	Ion-exchange breakthrough curves for single and multi-metal systems using marine macroalgae <i>Pelvetia canaliculata</i> as a natural cation exchanger. <i>Chemical Engineering Journal</i> , 2015, 269, 359-370.	12.7	26
44	Adsorptive desulfurization of heavy naphthenic oil: Equilibrium and kinetic studies. <i>Chemical Engineering Science</i> , 2017, 172, 23-31.	3.8	26
45	Removal of Mono- and Multicomponent BTX Compounds from Effluents Using Activated Carbon from Coconut Shell as the Adsorbent. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 6461-6469.	3.7	24
46	Insights into nanofiltration of textile wastewaters for water reuse. <i>Clean Technologies and Environmental Policy</i> , 2014, 16, 591-600.	4.1	24
47	Industrial steel waste as an iron source to promote heterogeneous and homogeneous oxidation/reduction reactions. <i>Journal of Cleaner Production</i> , 2019, 211, 804-817.	9.3	24
48	Application of ecological adsorbent in the removal of reactive dyes from textile effluents. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1146-1155.	3.2	23
49	Bioadsorption by sugarcane bagasse for the reduction in oil and grease content in aqueous effluent. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 1169-1176.	3.5	23
50	Cation exchange prediction model for copper binding onto raw brown marine macro-algae <i>Ascophyllum nodosum</i> : Batch and fixed-bed studies. <i>Chemical Engineering Journal</i> , 2017, 316, 255-276.	12.7	22
51	Biosurfactant production by <i>Trametes versicolor</i> grown on two-phase olive mill waste in solid-state fermentation. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 3066-3076.	2.2	22
52	Multicomponent Adsorption and Desorption of BTX Compounds Using Coconut Shell Activated Carbon: Experiments, Mathematical Modeling, and Numerical Simulation. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 7896-7911.	3.7	21
53	Glucose isomerization in simulated moving bed reactor by Glucose isomerase. <i>Brazilian Archives of Biology and Technology</i> , 2006, 49, 491-502.	0.5	20
54	Benzene, toluene and o-xylene (BTX) removal from aqueous solutions through adsorptive processes. <i>Adsorption</i> , 2014, 20, 577.	3.0	20

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55	Bleaching of Knitted Cotton Fabric Applying Ozone. <i>Ozone: Science and Engineering</i> , 2015, 37, 170-177.	2.5	20
56	Free and Ca-Alginate Beads Immobilized Horseradish Peroxidase for the Removal of Reactive Dyes: an Experimental and Modeling Study. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 1290-1306.	2.9	20
57	Adsorption of Basic Yellow 28 onto chemically modified activated carbon: Characterization and adsorption mechanisms. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 947-955.	1.7	19
58	Heavy gas oil biodesulfurization using a low-cost bacterial consortium. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2359-2363.	3.2	19
59	Functionalization of cellulosic fibers with a kaolinite-TiO ₂ nano-hybrid composite via a solvothermal process for flame retardant applications. <i>Carbohydrate Polymers</i> , 2021, 266, 118108.	10.2	19
60	Modeling of liquid pollutant biodegradation process in a fluidized bed reactor with biofilm. <i>Separation and Purification Technology</i> , 2008, 60, 162-173.	7.9	18
61	The modified water source diagram method applied to reuse of textile industry continuous washing water. <i>Resources, Conservation and Recycling</i> , 2010, 54, 1405-1411.	10.8	18
62	Thermogravimetric analysis and kinetic study of pyrolysis and combustion of residual textile sludge. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 807-814.	3.6	18
63	A multiscale model for carbon adsorption of BTX compounds: Comparison of volume averaging theory and experimental measurements. <i>Chemical Engineering Science</i> , 2018, 184, 285-308.	3.8	18
64	Characterisation of a phenolic resin and sugar cane pulp composite. <i>Brazilian Journal of Chemical Engineering</i> , 2004, 21, 253-260.	1.3	17
65	Water Reuse and Wastewater Minimization in Chemical Industries Using Differentiated Regeneration of Contaminants. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 7428-7436.	3.7	17
66	Biodesulfurization of a System Containing Synthetic Fuel Using <i>Rhodococcus erythropolis</i> ATCC 4277. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 2079-2085.	2.9	17
67	Mathematical modeling and numerical simulation of heat and moisture transfer in a porous textile medium. <i>Journal of the Textile Institute</i> , 2016, 107, 672-682.	1.9	17
68	High Pressure Phase Equilibrium Data for the Ternary System Containing Carbon Dioxide, Dichloromethane, and μ -Caprolactone. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 2036-2044.	1.9	17
69	Diclofenac release from alginate/carboxymethyl cellulose mono and bilayer films for wound dressing applications. <i>Cellulose</i> , 2020, 27, 6629-6642.	4.9	17
70	Adsorção dos corantes RO16, RR2 e RR141 utilizando lodo residual da indústria têxtil. <i>Engenharia Sanitaria E Ambiental</i> , 2011, 16, 245-252.	0.5	17
71	Modeling of the controlled release of betacarotene into anhydrous ethanol from microcapsules. <i>OpenNano</i> , 2016, 1, 25-35.	4.8	16
72	Copper-exchanged Y zeolites for gasoline deep-desulfurization. <i>Adsorption</i> , 2019, 25, 1595-1609.	3.0	16

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73	Application of FeCl ₃ and TiO ₂ -coated algae as innovative biophotocatalysts for Cr(VI) removal from aqueous solution: A process intensification strategy. Journal of Cleaner Production, 2020, 268, 122164.	9.3	16
74	Limestone dissolution in flue gas desulfurization – experimental and numerical study. Journal of Chemical Technology and Biotechnology, 2010, 85, 1208-1214.	3.2	15
75	Analysis of Competition between Multicomponent BTX Compounds for the Active Site of Adsorption in a Fixed-Bed Column. Industrial & Engineering Chemistry Research, 2013, 52, 16911-16921.	3.7	15
76	Influence of bloom number and plastifiers on gelatin matrices produced for enzyme immobilization. Brazilian Journal of Chemical Engineering, 2014, 31, 95-108.	1.3	14
77	Biodegradation kinetics of benzene, toluene and xylene compounds: microbial growth and evaluation of models. Bioprocess and Biosystems Engineering, 2015, 38, 1233-1241.	3.4	14
78	Biodegradation of BTEX compounds from petrochemical wastewater: Kinetic and toxicity. Journal of Water Process Engineering, 2019, 32, 100914.	5.6	14
79	Prediction of effective diffusivity tensors for bulk diffusion with chemical reactions in porous media. Brazilian Journal of Chemical Engineering, 2007, 24, 47-60.	1.3	13
80	Raw leaves and leaf residues from the extraction of essential oils as biosorbents for metal removal. Journal of Environmental Chemical Engineering, 2019, 7, 103047.	6.7	13
81	Enhanced textile wastewater treatment by a novel biofilm carrier with adsorbed nutrients. Biocatalysis and Agricultural Biotechnology, 2020, 24, 101527.	3.1	13
82	Bioconversion of low-cost brewery waste to biosurfactant: An improvement of surfactin production by culture medium optimization. Biochemical Engineering Journal, 2021, 172, 108058.	3.6	13
83	Mass transfer in porous media with heterogeneous chemical reaction. Brazilian Journal of Chemical Engineering, 2003, 20, 191-199.	1.3	13
84	A two-fluid model with a tensor closure model approach for free surface flow simulations. Chemical Engineering Science, 2015, 122, 596-613.	3.8	12
85	Development of flexible sensors using knit fabrics with conductive polyaniline coating and graphite electrodes. Journal of Applied Polymer Science, 2017, 134, .	2.6	12
86	Heavy gas oil biodesulfurization by <i>Rhodococcus erythropolis</i> ATCC 4277: optimized culture medium composition and evaluation of low-cost alternative media. Journal of Chemical Technology and Biotechnology, 2017, 92, 2376-2382.	3.2	12
87	Bioscouring and bleaching of knitted cotton fabrics in one-step process using enzymatically generated hydrogen peroxide. Canadian Journal of Chemical Engineering, 2017, 95, 2048-2055.	1.7	12
88	Optimal Production of a <i>Rhodococcus erythropolis</i> ATCC 4277 Biocatalyst for Biodesulfurization and Biotenitrogenation Applications. Applied Biochemistry and Biotechnology, 2017, 183, 1375-1389.	2.9	12
89	Removal of reactive blue 21 and reactive red 195 dyes using horseradish peroxidase as catalyst. Brazilian Journal of Chemical Engineering, 2017, 34, 701-707.	1.3	12
90	Plasma-modified TiO ₂ /polyetherimide nanocomposite fibers for photocatalytic degradation of organic compounds. Journal of Environmental Chemical Engineering, 2019, 7, 103213.	6.7	12

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91	Simulated Moving Bed Technology in the Reactive Process of Glucose Isomerization. Adsorption, 2005, 11, 847-851.	3.0	11
92	Crosslinking of poly(N -vinyl-2-pyrrolidone) in the coating of cotton yarn. Polymer Engineering and Science, 2011, 51, 445-453.	3.1	11
93	Photochemical UVC/H ₂ O ₂ oxidation system as an effective method for the decolourisation of bio-treated textile wastewaters: towards onsite water reuse. RSC Advances, 2016, 6, 90631-90645.	3.6	11
94	CELLULASE IMMOBILIZATION ON POLY(METHYL METHACRYLATE) NANOPARTICLES BY MINIEMULSION POLYMERIZATION. Brazilian Journal of Chemical Engineering, 2018, 35, 649-658.	1.3	11
95	Biopolymer-hydrophobic drug fibers and the delivery mechanisms for sustained release applications. European Polymer Journal, 2019, 112, 400-410.	5.4	11
96	Microalgal Growth in Paper Industry Effluent: Coupling Biomass Production with Nutrients Removal. Applied Sciences (Switzerland), 2020, 10, 3009.	2.5	11
97	Re-utilisation conditions of wastewaters from textiles industries. Resources, Conservation and Recycling, 2006, 49, 1-13.	10.8	10
98	Influence of pretreatment of cotton yarns prior to biopolishing. Carbohydrate Polymers, 2013, 93, 412-415.	10.2	10
99	Ion exchange prediction model for multi-metal systems obtained from single-metal systems using the macroalga <i>Pelvetia canaliculata</i> (Phaeophyceae) as a natural cation exchanger. Chemical Engineering Journal, 2015, 260, 694-705.	12.7	10
100	Numerical study of n-pentane separation using adsorption column. Brazilian Archives of Biology and Technology, 2005, 48, 267-274.	0.5	9
101	Modelling of the dyeing process of packed cotton threads using reactive dyes. Transport in Porous Media, 2007, 68, 341-363.	2.6	9
102	Study and application of an enzymatic pool in bioscouring of cotton knit fabric. Canadian Journal of Chemical Engineering, 2017, 95, 1253-1260.	1.7	9
103	Reuse of wastewaters on dyeing of polyester fabric with encapsulated disperse dye. Environmental Technology (United Kingdom), 2019, 40, 408-417.	2.2	9
104	Thermal degradation and flammability of TiO ₂ –polyetherimide nanocomposite fibers. Polymer Bulletin, 2020, 77, 4937-4958.	3.3	9
105	Application of Individual and Simultaneous Ozonation and Adsorption Processes in Batch and Fixed-Bed Reactors for Phenol Removal. Ozone: Science and Engineering, 2012, 34, 259-268.	2.5	8
106	Synthesis and application of silver nanoparticles as biocidal agent in polyurethane coating. Journal of Coatings Technology Research, 2020, 17, 613-620.	2.5	8
107	The use of simulated moving bed in chromatographic separation: study of the SMB configuration. Separation Science and Technology, 2002, 37, 1489-1504.	2.5	7
108	Modeling of trivalent chromium speciation in binding sites of marine macroalgae <i>Sargassum Cymosum</i> . Clean Technologies and Environmental Policy, 2013, 15, 987-997.	4.1	7

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109	MODELING AND SIMULATION OF THE EFFECT OF THE FIRING CURVE ON THE LINEAR SHRINKAGE OF CERAMIC MATERIALS: LABORATORY SCALE AND INDUSTRIAL SCALE. Brazilian Journal of Chemical Engineering, 2015, 32, 433-443.	1.3	7
110	Stability analysis of stratified Rayleigh-Bénard-Poiseuille convection: Influence of the shear flow. Chemical Engineering Science, 2015, 126, 67-79.	3.8	7
111	Adsorbents made from textile scraps: preparation, characterization and application for removal of reactive dye. Clean Technologies and Environmental Policy, 2018, 20, 839-853.	4.1	7
112	Adsorption of natural annatto dye by kaolin: kinetic and equilibrium. Environmental Technology (United Kingdom), 2020, 41, 2648-2656.	2.2	7
113	Adsorption of Remazol Blue RR from Textile Effluents Using <i>Azadirachta Indica</i> Leaf Powder as an Alternative Adsorbent. Adsorption Science and Technology, 2009, 27, 461-478.	3.2	6
114	Turning <i>Laminaria digitata</i> seaweed into a resource for sustainable and ecological removal of trivalent chromium ions from aqueous solutions. Clean Technologies and Environmental Policy, 2013, 15, 955-965.	4.1	6
115	Statistical Evaluation of Biochemical Kinetic Models for BTX Degradation. Industrial & Engineering Chemistry Research, 2014, 53, 19416-19425.	3.7	6
116	An Evaluation of Kinetic Models in the Biodesulfurization of Synthetic Oil by <i>Rhodococcus erythropolis</i> ATCC 4277. Applied Biochemistry and Biotechnology, 2015, 177, 759-770.	2.9	6
117	Simulação numérica e ensaios experimentais da remoção de Fe (III) da água para utilização nas indústrias alimentícias. Engenharia Sanitária E Ambiental, 2015, 20, 653-663.	0.5	6
118	Tubular photobioreactors illuminated with LEDs to boost microalgal biomass production. Chemical Engineering Journal, 2022, 435, 134747.	12.7	6
119	Analysis of the Behavior of the Simulated Moving Bed Reactor in the Sucrose Inversion Process. Separation Science and Technology, 2005, 40, 2373-2389.	2.5	5
120	Coating of cotton yarn with poly(vinyl alcohol) and poly(<i>N</i> -vinyl-2-pyrrolidone) crosslinked via ultraviolet radiation. Journal of Applied Polymer Science, 2011, 119, 2560-2567.	2.6	5
121	Kinetic study of biodegradation of BTX compounds in mono- and multicomponent systems in reactor with immobilized biomass. Bioprocess and Biosystems Engineering, 2016, 39, 1441-1454.	3.4	5
122	Stability analysis of stratified Rayleigh-Bénard-Poiseuille convection. Part II: Influence of thermocapillary forces. Chemical Engineering Science, 2016, 155, 99-110.	3.8	5
123	Magnetic field on fouling control of ultrafiltration membranes applied in treatment of a synthetic textile effluent. Environmental Technology (United Kingdom), 2016, 37, 952-959.	2.2	5
124	Use of cork granules as an effective sustainable material to clean-up spills of crude oil and derivatives. Environmental Science and Pollution Research, 2020, 27, 366-378.	5.3	5
125	LINEAR STABILITY ANALYSIS AND CFD SIMULATION OF DOUBLE-LAYER RAYLEIGH-BÉNARD CONVECTION. Brazilian Journal of Chemical Engineering, 2016, 33, 607-616.	1.3	4
126	Influence of cellulose fibers and fibrils on nanoscale friction in kraft paper. Cellulose, 2016, 23, 2653-2661.	4.9	4

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127	Stability analysis of stratified Rayleigh-Bénard-Poiseuille convection. Part III: Interface deformation. Chemical Engineering Science, 2019, 203, 333-345.	3.8	4
128	Numerical Analysis of a Periodically Forced Dyeing Process. Industrial & Engineering Chemistry Research, 2010, 49, 8568-8574.	3.7	3
129	Quantification of styrene-butadiene rubber swelling as a function of the toluene content in gasoline: A new method to detect adulterations of fuels. Journal of Applied Polymer Science, 2013, 127, 3053-3062.	2.6	3
130	Lipase immobilisation in matrix comprised of gelatin of different bloom numbers with the addition of hydrophilic plasticisers. Canadian Journal of Chemical Engineering, 2014, 92, 989-999.	1.7	3
131	Characterization of the liquid fractions from textile sludge pyrolysis and their application as defoamers. Canadian Journal of Chemical Engineering, 2018, 96, 2534-2543.	1.7	3
132	Effect of specimen geometry on kinetics of thermal decomposition of minerals in porous ceramic tiles. International Journal of Applied Ceramic Technology, 2019, 16, 1098-1110.	2.1	3
133	Products from pyrolysis textile sludge as a potential antibacterial and alternative source of fuel oil. Cleaner Engineering and Technology, 2022, 6, 100408.	4.0	3
134	Application of Coagulation Systems Coupled with Adsorption on Powdered Activated Carbon to Textile Wastewater Treatment. Chemical Product and Process Modeling, 2009, 4, .	0.9	2
135	Enzymatic reuse of simulated dyeing process effluent using horseradish peroxidase. Canadian Journal of Chemical Engineering, 2017, 95, 1434-1441.	1.7	2
136	Y zeolite equilibrium catalyst waste from fluidized catalytic cracking regenerated by electrokinetic treatment: An adsorbent for sulphur and nitrogen compounds. Canadian Journal of Chemical Engineering, 2018, 96, 2593-2601.	1.7	2
137	Dye adsorption and intensity in bobbin crusade in dyeing mixed acrylic and cotton yarn. Journal of the Textile Institute, 2021, 112, 64-70.	1.9	2
138	Functionalization of poly(lactic-co-glycolic acid) nanofibrous membranes with antibiofilm compounds. Canadian Journal of Chemical Engineering, 2022, 100, .	1.7	2
139	Removal of Dyes from the Textile Industry by Adsorption in Fixed Bed Columns: A Sustainable Process. Chemical Product and Process Modeling, 2009, 4, .	0.9	1
140	CFD Simulation of Two-Phase Flow Patterns in the Gas Channel of a Proton Exchange Membrane Fuel Cell. Chemical Engineering and Technology, 2015, 38, 1229-1234.	1.5	1
141	Analysis of heat and mass transfer in diffusion flame reactors coupled with aerodynamic lenses. Chemical Engineering Research and Design, 2017, 118, 215-225.	5.6	1