

Selene Guelli Souza

List of Publications by Year in descending order

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141
papers

3,798
citations

126901

33
h-index

168376

53
g-index

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

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91	Simulated Moving Bed Technology in the Reactive Process of Glucose Isomerization. <i>Adsorption</i> , 2005, 11, 847-851.	3.0	11
92	Crosslinking of poly(N -vinyl-2-pyrrolidone) in the coating of cotton yarn. <i>Polymer Engineering and Science</i> , 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. <i>RSC Advances</i> , 2016, 6, 90631-90645.	3.6	11
94	CELLULASE IMMOBILIZATION ON POLY(METHYL METHACRYLATE) NANOPARTICLES BY MINIEMULSION POLYMERIZATION. <i>Brazilian Journal of Chemical Engineering</i> , 2018, 35, 649-658.	1.3	11
95	Biopolymer-hydrophobic drug fibers and the delivery mechanisms for sustained release applications. <i>European Polymer Journal</i> , 2019, 112, 400-410.	5.4	11
96	Microalgal Growth in Paper Industry Effluent: Coupling Biomass Production with Nutrients Removal. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3009.	2.5	11
97	Re-utilisation conditions of wastewaters from textiles industries. <i>Resources, Conservation and Recycling</i> , 2006, 49, 1-13.	10.8	10
98	Influence of pretreatment of cotton yarns prior to biopolishing. <i>Carbohydrate Polymers</i> , 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. <i>Chemical Engineering Journal</i> , 2015, 260, 694-705.	12.7	10
100	Numerical study of n-pentane separation using adsorption column. <i>Brazilian Archives of Biology and Technology</i> , 2005, 48, 267-274.	0.5	9
101	Modelling of the dyeing process of packed cotton threads using reactive dyes. <i>Transport in Porous Media</i> , 2007, 68, 341-363.	2.6	9
102	Study and application of an enzymatic pool in bioscouring of cotton knit fabric. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 1253-1260.	1.7	9
103	Reuse of wastewaters on dyeing of polyester fabric with encapsulated disperse dye. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 408-417.	2.2	9
104	Thermal degradation and flammability of TiO ₂ –polyetherimide nanocomposite fibers. <i>Polymer Bulletin</i> , 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. <i>Ozone: Science and Engineering</i> , 2012, 34, 259-268.	2.5	8
106	Synthesis and application of silver nanoparticles as biocidal agent in polyurethane coating. <i>Journal of Coatings Technology Research</i> , 2020, 17, 613-620.	2.5	8
107	The use of simulated moving bed in chromatographic separation: study of the SMB configuration. <i>Separation Science and Technology</i> , 2002, 37, 1489-1504.	2.5	7
108	Modeling of trivalent chromium speciation in binding sites of marine macroalgae <i>Sargassum Cymosum</i> . <i>Clean Technologies and Environmental Policy</i> , 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. <i>Brazilian Journal of Chemical Engineering</i> , 2015, 32, 433-443.	1.3	7
110	Stability analysis of stratified Rayleigh-Bénard-Poiseuille convection: Influence of the shear flow. <i>Chemical Engineering Science</i> , 2015, 126, 67-79.	3.8	7
111	Adsorbents made from textile scraps: preparation, characterization and application for removal of reactive dye. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 839-853.	4.1	7
112	Adsorption of natural annatto dye by kaolin: kinetic and equilibrium. <i>Environmental Technology (United Kingdom)</i> , 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. <i>Adsorption Science and Technology</i> , 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. <i>Clean Technologies and Environmental Policy</i> , 2013, 15, 955-965.	4.1	6
115	Statistical Evaluation of Biochemical Kinetic Models for BTX Degradation. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 19416-19425.	3.7	6
116	An Evaluation of Kinetic Models in the Biotransformation of Synthetic Oil by <i>Rhodococcus erythropolis</i> ATCC 4277. <i>Applied Biochemistry and Biotechnology</i> , 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. <i>Engenharia Sanitária E Ambiental</i> , 2015, 20, 653-663.	0.5	6
118	Tubular photobioreactors illuminated with LEDs to boost microalgal biomass production. <i>Chemical Engineering Journal</i> , 2022, 435, 134747.	12.7	6
119	Analysis of the Behavior of the Simulated Moving Bed Reactor in the Sucrose Inversion Process. <i>Separation Science and Technology</i> , 2005, 40, 2373-2389.	2.5	5
120	Coating of cotton yarn with poly(vinyl alcohol) and poly(<i>N-vinyl-2-pyrrolidone</i>) crosslinked via ultraviolet radiation. <i>Journal of Applied Polymer Science</i> , 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. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1441-1454.	3.4	5
122	Stability analysis of stratified Rayleigh-Bénard-Poiseuille convection. Part II: Influence of thermocapillary forces. <i>Chemical Engineering Science</i> , 2016, 155, 99-110.	3.8	5
123	Magnetic field on fouling control of ultrafiltration membranes applied in treatment of a synthetic textile effluent. <i>Environmental Technology (United Kingdom)</i> , 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. <i>Environmental Science and Pollution Research</i> , 2020, 27, 366-378.	5.3	5
125	LINEAR STABILITY ANALYSIS AND CFD SIMULATION OF DOUBLE-LAYER RAYLEIGH-BÉNARD CONVECTION. <i>Brazilian Journal of Chemical Engineering</i> , 2016, 33, 607-616.	1.3	4
126	Influence of cellulose fibers and fibrils on nanoscale friction in kraft paper. <i>Cellulose</i> , 2016, 23, 2653-2661.	4.9	4

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127	Stability analysis of stratified Rayleigh-Bénard-Poiseuille convection. Part III: Interface deformation. <i>Chemical Engineering Science</i> , 2019, 203, 333-345.	3.8	4
128	Numerical Analysis of a Periodically Forced Dyeing Process. <i>Industrial & Engineering Chemistry Research</i> , 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. <i>Journal of Applied Polymer Science</i> , 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. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 989-999.	1.7	3
131	Characterization of the liquid fractions from textile sludge pyrolysis and their application as defoamers. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 2534-2543.	1.7	3
132	Effect of specimen geometry on kinetics of thermal decomposition of minerals in porous ceramic tiles. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 1098-1110.	2.1	3
133	Products from pyrolysis textile sludge as a potential antibacterial and alternative source of fuel oil. <i>Cleaner Engineering and Technology</i> , 2022, 6, 100408.	4.0	3
134	Application of Coagulation Systems Coupled with Adsorption on Powdered Activated Carbon to Textile Wastewater Treatment. <i>Chemical Product and Process Modeling</i> , 2009, 4, .	0.9	2
135	Enzymatic reuse of simulated dyeing process effluent using horseradish peroxidase. <i>Canadian Journal of Chemical Engineering</i> , 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. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 2593-2601.	1.7	2
137	Dye adsorption and intensity in bobbin crusade in dyeing mixed acrylic and cotton yarn. <i>Journal of the Textile Institute</i> , 2021, 112, 64-70.	1.9	2
138	Functionalization of poly(lactic-co-glycolic acid) nanofibrous membranes with antibiofilm compounds. <i>Canadian Journal of Chemical Engineering</i> , 2022, 100, .	1.7	2
139	Removal of Dyes from the Textile Industry by Adsorption in Fixed Bed Columns: A Sustainable Process. <i>Chemical Product and Process Modeling</i> , 2009, 4, .	0.9	1
140	CFD Simulation of Two-Phase Flow Patterns in the Gas Channel of a Proton Exchange Membrane Fuel Cell. <i>Chemical Engineering and Technology</i> , 2015, 38, 1229-1234.	1.5	1
141	Analysis of heat and mass transfer in diffusion flame reactors coupled with aerodynamic lenses. <i>Chemical Engineering Research and Design</i> , 2017, 118, 215-225.	5.6	1