Vimal Chandra Srivastava

List of Publications by Year
in descending order

272 papers	15,203 citations	19655 61 h-index	22829 112 g-index
276 all docs	276 docs citations	276 times ranked	13865 citing authors

#	Article	IF	Citations
1	Removal of Orange-G and Methyl Violet dyes by adsorption onto bagasse fly ashâ€"kinetic study and equilibrium isotherm analyses. Dyes and Pigments, 2006, 69, 210-223.	3.7	717
2	Adsorptive removal of phenol by bagasse fly ash and activated carbon: Equilibrium, kinetics and thermodynamics. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 272, 89-104.	4.7	711
3	An evaluation of desulfurization technologies for sulfur removal from liquid fuels. RSC Advances, 2012, 2, 759-783.	3.6	656
4	Removal of congo red from aqueous solution by bagasse fly ash and activated carbon: Kinetic study and equilibrium isotherm analyses. Chemosphere, 2005, 61, 492-501.	8.2	616
5	Adsorptive removal of malachite green dye from aqueous solution by bagasse fly ash and activated carbon-kinetic study and equilibrium isotherm analyses. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 264, 17-28.	4.7	471
6	Characterization of mesoporous rice husk ash (RHA) and adsorption kinetics of metal ions from aqueous solution onto RHA. Journal of Hazardous Materials, 2006, 134, 257-267.	12.4	449
7	Kinetic and equilibrium isotherm studies for the adsorptive removal of Brilliant Green dye from aqueous solution by rice husk ash. Journal of Environmental Management, 2007, 84, 390-400.	7.8	396
8	Equilibrium modelling of single and binary adsorption of cadmium and nickel onto bagasse fly ash. Chemical Engineering Journal, 2006, 117, 79-91.	12.7	348
9	Rice husk ash as an effective adsorbent: Evaluation of adsorptive characteristics for Indigo Carmine dye. Journal of Environmental Management, 2009, 90, 710-720.	7.8	343
10	Characterization and utilization of mesoporous fertilizer plant waste carbon for adsorptive removal of dyes from aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 278, 175-187.	4.7	329
11	Adsorption thermodynamics and isosteric heat of adsorption of toxic metal ions onto bagasse fly ash (BFA) and rice husk ash (RHA). Chemical Engineering Journal, 2007, 132, 267-278.	12.7	269
12	Use of bagasse fly ash as an adsorbent for the removal of brilliant green dye from aqueous solution. Dyes and Pigments, 2007, 73, 269-278.	3.7	267
13	Porous covalent electron-rich organonitridic frameworks as highly selective sorbents for methane and carbon dioxide. Nature Communications, 2011, 2, 401.	12.8	252
14	Adsorptive desulfurization by activated alumina. Journal of Hazardous Materials, 2009, 170, 1133-1140.	12.4	229
15	Removal of cadmium(II) and zinc(II) metal ions from binary aqueous solution by rice husk ash. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 312, 172-184.	4.7	208
16	An Overview of Various Technologies for the Treatment of Dairy Wastewaters. Critical Reviews in Food Science and Nutrition, 2011, 51, 442-452.	10.3	184
17	Competitive adsorption of cadmium(II) and nickel(II) metal ions from aqueous solution onto rice husk ash. Chemical Engineering and Processing: Process Intensification, 2009, 48, 370-379.	3.6	183
18	Optimization of an azo dye batch adsorption parameters using Boxâ€"Behnken design. Desalination, 2009, 249, 1273-1279.	8.2	172

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19	Adsorption of toxic metal ions onto activated carbon. Chemical Engineering and Processing: Process Intensification, 2008, 47, 1269-1280.	3.6	150
20	Organics removal from dairy wastewater by electrochemical treatment and residue disposal. Separation and Purification Technology, 2010, 76, 198-205.	7.9	149
21	Adsorptive removal of Auramine-O: Kinetic and equilibrium study. Journal of Hazardous Materials, 2007, 143, 386-395.	12.4	122
22	Photocatalytic Oxidation of Dye Bearing Wastewater by Iron Doped Zinc Oxide. Industrial & Engineering Chemistry Research, 2013, 52, 17790-17799.	3.7	119
23	Simple Synthesis of Large Graphene Oxide Sheets via Electrochemical Method Coupled with Oxidation Process. ACS Omega, 2018, 3, 10233-10242.	3.5	118
24	Treatment of pulp and paper mill wastewaters with poly aluminium chloride and bagasse fly ash. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 260, 17-28.	4.7	113
25	Electro-oxidation of nitrophenol by ruthenium oxide coated titanium electrode: Parametric, kinetic and mechanistic study. Chemical Engineering Journal, 2015, 263, 135-143.	12.7	110
26	Electrochemical treatment of a distillery wastewater: Parametric and residue disposal study. Chemical Engineering Journal, 2009, 148, 496-505.	12.7	104
27	Electrochemical denitrification of highly contaminated actual nitrate wastewater by Ti/RuO2 anode and iron cathode. Chemical Engineering Journal, 2020, 386, 122065.	12.7	104
28	Treatment of dairy wastewater by commercial activated carbon and bagasse fly ash: Parametric, kinetic and equilibrium modelling, disposal studies. Bioresource Technology, 2010, 101, 3474-3483.	9.6	102
29	Adsorption of catechol, resorcinol, hydroquinone, and their derivatives: a review. International Journal of Energy and Environmental Engineering, 2012, 3, 32.	2.5	98
30	Prediction of Breakthrough Curves for Sorptive Removal of Phenol by Bagasse Fly Ash Packed Bed. Industrial & Engineering Chemistry Research, 2008, 47, 1603-1613.	3.7	96
31	Phosphate Removal from Aqueous Solution Using Coir-Pith Activated Carbon. Separation Science and Technology, 2010, 45, 1463-1470.	2.5	96
32	Techniques for oxygen transfer measurement in bioreactors: a review. Journal of Chemical Technology and Biotechnology, 2009, 84, 1091-1103.	3.2	92
33	Treatment of bio-digester effluent by electrocoagulation using iron electrodes. Journal of Hazardous Materials, 2009, 165, 345-352.	12.4	92
34	Growth of hierarchical ZnO nano flower on large functionalized rGO sheet for superior photocatalytic mineralization of antibiotic. Chemical Engineering Journal, 2020, 392, 123746.	12.7	91
35	Mechanism of Dye Degradation during Electrochemical Treatment. Journal of Physical Chemistry C, 2013, 117, 15229-15240.	3.1	90
36	Modelling Individual and Competitive Adsorption of Cadmium(II) and Zinc(II) Metal Ions from Aqueous Solution onto Bagasse Fly Ash. Separation Science and Technology, 2006, 41, 2685-2710.	2.5	89

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37	Diethyl carbonate: critical review of synthesis routes, catalysts used and engineering aspects. RSC Advances, 2016, 6, 32624-32645.	3.6	87
38	Fixed-bed study for adsorptive removal of furfural by activated carbon. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 332, 50-56.	4.7	86
39	An overview of the synthesis of CuO-ZnO nanocomposite for environmental and other applications. Nanotechnology Reviews, 2018, 7, 267-282.	5.8	86
40	Quinoline adsorption onto granular activated carbon and bagasse fly ash. Chemical Engineering Journal, 2012, 181-182, 343-351.	12.7	83
41	Synthesis of organic carbonates from alcoholysis of urea: A review. Catalysis Reviews - Science and Engineering, 2017, 59, 1-43.	12.9	83
42	Self-engineered iron oxide nanoparticle incorporated on mesoporous biochar derived from textile mill sludge for the removal of an emerging pharmaceutical pollutant. Environmental Pollution, 2020, 259, 113822.	7.5	83
43	Comparative study of electrochemical oxidation for dye degradation: Parametric optimization and mechanism identification. Journal of Environmental Chemical Engineering, 2016, 4, 2911-2921.	6.7	80
44	Fire and explosion hazard analysis during surface transport of liquefied petroleum gas (LPG): A case study of LPG truck tanker accident in Kannur, Kerala, India. Journal of Loss Prevention in the Process Industries, 2016, 40, 449-460.	3.3	80
45	Adsorption of uranium from aqueous solution as well as seawater conditions by nitrogen-enriched nanoporous polytriazine. Chemical Engineering Journal, 2019, 378, 122236.	12.7	80
46	Treatment of dairy wastewater by inorganic coagulants: Parametric and disposal studies. Water Research, 2010, 44, 5867-5874.	11.3	79
47	Microfluidic-based photocatalytic microreactor for environmental application: a review of fabrication substrates and techniques, and operating parameters. Photochemical and Photobiological Sciences, 2016, 15, 714-730.	2.9	79
48	Mixed titanium, silicon, and aluminum oxide nanostructures as novel adsorbent for removal of rhodamine 6G and methylene blue as cationic dyes from aqueous solution. Chemosphere, 2016, 163, 142-152.	8.2	77
49	Comparative Studies on Structural, Optical, and Textural Properties of Combustion Derived ZnO Prepared Using Various Fuels and Their Photocatalytic Activity. Industrial & Engineering Chemistry Research, 2012, 51, 7948-7956.	3.7	76
50	Adsorbed solution theory based modeling of binary adsorption of nitrobenzene, aniline and phenol onto granulated activated carbon. Chemical Engineering Journal, 2013, 229, 450-459.	12.7	76
51	Dimethyl Carbonate Synthesis from Propylene Carbonate with Methanol Using Cuâ€“Znâ€“Al Catalyst. Energy & Fuels, 2015, 29, 2664-2675.	5.1	74
52	Nanoporous hypercrosslinked polyaniline: An efficient adsorbent for the adsorptive removal of cationic and anionic dyes. Journal of Molecular Liquids, 2016, 222, 1091-1100.	4.9	73
53	Multicomponent Adsorption Study of Metal Ions onto Bagasse Fly Ash Using Taguchi's Design of Experimental Methodology. Industrial & Engineering Chemistry Research, 2007, 46, 5697-5706.	3.7	72
54	Adsorption of Furfural from Aqueous Solution onto Activated Carbon: Kinetic, Equilibrium and Thermodynamic Study. Separation Science and Technology, 2008, 43, 1239-1259.	2.5	72

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55	Catalytic oxidation of nitrobenzene by copper loaded activated carbon. Separation and Purification Technology, 2014, 125, 284-290.	7.9	72
56	Plant-based nanocellulose: A review of routine and recent preparation methods with current progress in its applications as rheology modifier and 3D bioprinting. International Journal of Biological Macromolecules, 2021, 166, 1586-1616.	7.5	72
57	Electrocoagulation study for the removal of arsenic and chromium from aqueous solution. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 554-562.	1.7	71
58	Glycerol Carbonate Synthesis by Hierarchically Structured Catalysts: Catalytic Activity and Characterization. Industrial & Engineering Chemistry Research, 2015, 54, 12543-12552.	3.7	69
59	Studies on adsorptive desulfurization by zirconia based adsorbents. Fuel, 2011, 90, 3209-3216.	6.4	64
60	Comparative Study on Thermodynamic Analysis of CO₂ Utilization Reactions. Chemical Engineering and Technology, 2014, 37, 1765-1777.	1.5	64
61	Isotherm, Thermodynamics, Desorption, and Disposal Study for the Adsorption of Catechol and Resorcinol onto Granular Activated Carbon. Journal of Chemical & Engineering Data, 2011, 56, 811-818.	1.9	63
62	Studies on adsorption/desorption of nitrobenzene and humic acid onto/from activated carbon. Chemical Engineering Journal, 2011, 168, 35-43.	12.7	62
63	ZnO nanowire-immobilized paper matrices for visible light-induced antibacterial activity against Escherichia coli. Environmental Science: Nano, 2015, 2, 273-279.	4.3	61
64	Catalytic wet peroxidation of pyridine bearing wastewater by cerium supported SBA-15. Journal of Hazardous Materials, 2013, 248-249, 355-363.	12.4	60
65	Treatment of highly acidic wastewater containing high energetic compounds using dimensionally stable anode. Chemical Engineering Journal, 2017, 325, 289-299.	12.7	60
66	Oxidative desulfurization by chromium promoted sulfated zirconia. Fuel Processing Technology, 2012, 93, 18-25.	7.2	59
67	Mechanistic and kinetic insights of synergistic mineralization of ofloxacin using a sono-photo hybrid process. Chemical Engineering Journal, 2021, 403, 125736.	12.7	58
68	In situ decoration of TiO2 nanoparticles on the surface of cellulose fibers and study of their photocatalytic and antibacterial activities. Cellulose, 2015, 22, 507-519.	4.9	57
69	Optimization of parameters for adsorption of metal ions onto rice husk ash using Taguchi's experimental design methodology. Chemical Engineering Journal, 2008, 140, 136-144.	12.7	56
70	Synthesis and characterization of Ceâ€“La oxides for the formation of dimethyl carbonate by transesterification of propylene carbonate. Catalysis Communications, 2015, 60, 27-31.	3.3	56
71	Catalytic Activity of Cu/SBAâ€15 for Peroxidation of Pyridine Bearing Wastewater at Atmospheric Condition. AICHE Journal, 2013, 59, 2577-2586.	3.6	55
72	Hazard analysis of failure of natural gas and petroleum gas pipelines. Journal of Loss Prevention in the Process Industries, 2016, 40, 217-226.	3.3	55

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73	Mechanistic insight into ultrasound-induced enhancement of electrochemical oxidation of ofloxacin: Multi-response optimization and cost analysis. Chemosphere, 2020, 257, 127121.	8.2	55
74	Parametric and multiple response optimization for the electrochemical treatment of textile printing dye-bath effluent. Separation and Purification Technology, 2013, 109, 135-143.	7.9	54
75	Investigation of the Electrocoagulation Treatment of Cotton Blue Dye Solution using Aluminium Electrodes. Clean - Soil, Air, Water, 2008, 36, 863-869.	1.1	53
76	Optimization of Reaction Parameters and Kinetic Modeling of Catalytic Wet Peroxidation of Picoline by Cu/SBA-15. Industrial & Engineering Chemistry Research, 2013, 52, 9021-9029.	3.7	50
77	Enhancing photocatalytic degradation of quinoline by ZnO:TiO2 mixed oxide: Optimization of operating parameters and mechanistic study. Journal of Environmental Management, 2020, 258, 110032.	7.8	50
78	Dimethyl carbonate synthesis from carbon dioxide using ceriaâ€“zirconia catalysts prepared using a templating method: characterization, parametric optimization and chemical equilibrium modeling. RSC Advances, 2016, 6, 110235-110246.	3.6	49
79	Continuous electrocoagulation treatment of pulp and paper mill wastewater: operating cost and sludge study. RSC Advances, 2016, 6, 16223-16233.	3.6	49
80	Nitrogen-Enriched Nanoporous Polytriazine for High-Performance Supercapacitor Application. ACS Sustainable Chemistry and Engineering, 2018, 6, 5895-5902.	6.7	49
81	Studies on electrochemical treatment of dairy wastewater using aluminum electrode. AICHE Journal, 2011, 57, 2589-2598.	3.6	47
82	Morphology-controlled green approach for synthesizing the hierarchical self-assembled 3D porous ZnO superstructure with excellent catalytic activity. Microporous and Mesoporous Materials, 2017, 239, 296-309.	4.4	47
83	Efficient ceria-zirconium oxide catalyst for carbon dioxide conversions: Characterization, catalytic activity and thermodynamic study. Journal of Alloys and Compounds, 2017, 696, 718-726.	5.5	47
84	Recent progress in dimethyl carbonate synthesis using different feedstock and techniques in the presence of heterogeneous catalysts. Catalysis Reviews - Science and Engineering, 2021, 63, 363-421.	12.9	47
85	Electrochemical mineralization of chlorophenol by ruthenium oxide coated titanium electrode. Journal of the Taiwan Institute of Chemical Engineers, 2016, 69, 106-117.	5.3	46
86	Zinc oxide nanoparticles synthesis by electrochemical method: Optimization of parameters for maximization of productivity and characterization. Journal of Alloys and Compounds, 2015, 636, 288-292.	5.5	45
87	Adsorptive removal of bisphenol-A by rice husk ash and granular activated carbonâ€”A comparative study. Desalination and Water Treatment, 2016, 57, 12375-12384.	1.0	45
88	Extractive Desulfurization of Gas Oils: A Perspective Review for Use in Petroleum Refineries. Separation and Purification Reviews, 2017, 46, 319-347.	5.5	45
89	Adsorption of Hydroquinone in Aqueous Solution by Granulated Activated Carbon. Journal of Environmental Engineering, ASCE, 2011, 137, 1145-1157.	1.4	43
90	Teff straw characterization and utilization for chromium removal from wastewater: Kinetics, isotherm and thermodynamic modelling. Journal of Environmental Chemical Engineering, 2016, 4, 1117-1125.	6.7	43

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91	Synthesis of cyclophosphazene bridged mesoporous organosilicas for CO 2 capture and Cr (VI) removal. Microporous and Mesoporous Materials, 2016, 219, 93-102.	4.4	43
92	Metal oxide nanostructures incorporated/immobilized paper matrices and their applications: a review. RSC Advances, 2015, 5, 83036-83055.	3.6	42
93	Unprecedented adsorptive removal of Cr₂O₇^{2â^'} and methyl orange by using a low surface area organosilica. Journal of Materials Chemistry A, 2016, 4, 17866-17874.	10.3	42
94	Synthesis and characterization of ZnO/CuO nanocomposite by electrochemical method. Materials Science in Semiconductor Processing, 2017, 57, 173-177.	4.0	42
95	Study of Catechol and Resorcinol Adsorption Mechanism through Granular Activated Carbon Characterization, pH and Kinetic Study. Separation Science and Technology, 2011, 46, 1750-1766.	2.5	41
96	Sequential batch reactor for dairy wastewater treatment: Parametric optimization; kinetics and waste sludge disposal. Journal of Environmental Chemical Engineering, 2013, 1, 1036-1043.	6.7	41
97	The preparation and efficacy of SrO/CeO2 catalysts for the production of dimethyl carbonate by transesterification of ethylene carbonate. Fuel, 2018, 220, 706-716.	6.4	41
98	Synthesis of nanoporous hypercrosslinked polyaniline (HCPANI) for gas sorption and electrochemical supercapacitor applications. RSC Advances, 2015, 5, 45749-45754.	3.6	40
99	Equilibrium Modeling of Ternary Adsorption of Metal Ions onto Rice Husk Ash. Journal of Chemical & Engineering Data, 2009, 54, 705-711.	1.9	39
100	Adsorptive removal of phenol from binary aqueous solution with aniline and 4-nitrophenol by granular activated carbon. Chemical Engineering Journal, 2011, 171, 997-1003.	12.7	39
101	Active ceria-calcium oxide catalysts for dimethyl carbonate synthesis by conversion of CO2. Powder Technology, 2017, 309, 13-21.	4.2	39
102	Critical analysis of engineering aspects of shaken flask bioreactors. Critical Reviews in Biotechnology, 2009, 29, 255-278.	9.0	38
103	Synthesis of different crystallographic Al₂O₃ nanomaterials from solid waste for application in dye degradation. RSC Advances, 2014, 4, 50801-50810.	3.6	37
104	Mechanistic study of electrochemical treatment of basic green 4 dye with aluminum electrodes through zeta potential, TOC, COD and color measurements, and characterization of residues. RSC Advances, 2013, 3, 16426.	3.6	35
105	Electrochemical oxidation of textile industry wastewater by graphite electrodes. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 955-966.	1.7	35
106	Sonochemical synthesis of cyclophosphazene bridged mesoporous organosilicas and their application in methyl orange, congo red and Cr(<scp>vi</scp>) removal. RSC Advances, 2015, 5, 67690-67699.	3.6	35
107	Conversion of carbon dioxide along with methanol to dimethyl carbonate over ceria catalyst. Journal of Environmental Chemical Engineering, 2015, 3, 2943-2947.	6.7	35
108	Aminal linked inorganicâ€“organic hybrid nanoporous materials (HNMs) for CO₂ capture and H₂ storage applications. RSC Advances, 2016, 6, 17100-17105.	3.6	35

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109	Pyrolysis of almond (Prunus amygdalus) shells: Kinetic analysis, modelling, energy assessment and technical feasibility studies. Bioresource Technology, 2021, 337, 125466.	9.6	35
110	Dimethyl carbonate synthesis by transesterification of propylene carbonate with methanol: Comparative assessment of Ce-M (M=Co, Fe, Cu and Zn) catalysts. Renewable Energy, 2016, 88, 457-464.	8.9	34
111	Electrochemical treatment of alkali decrement wastewater containing terephthalic acid using iron electrodes. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 908-913.	5.3	33
112	Adsorptive desulfurization by zinc-impregnated activated carbon: characterization, kinetics, isotherms, and thermodynamic modeling. Clean Technologies and Environmental Policy, 2016, 18, 1021-1030.	4.1	33
113	Antagonistic Competitive Equilibrium Modeling for the Adsorption of Ternary Metal Ion Mixtures from Aqueous Solution onto Bagasse Fly Ash. Industrial & Engineering Chemistry Research, 2008, 47, 3129-3137.	3.7	32
114	Adsorptive removal of aniline by granular activated carbon from aqueous solutions with catechol and resorcinol. Environmental Technology (United Kingdom), 2012, 33, 773-781.	2.2	31
115	Electrochemical Treatment of Dye Bearing Effluent with Different Anodeâ€“Cathode Combinations: Mechanistic Study and Sludge Analysis. Industrial & Engineering Chemistry Research, 2014, 53, 10743-10752.	3.7	31
116	Utilisation of a waste biomass, walnut shells, to produce bio-products via pyrolysis: investigation using ISO-conversional and neural network methods. Biomass Conversion and Biorefinery, 2018, 8, 647-657.	4.6	31
117	Photo- and Electrocatalytic Reduction of CO₂ over Metalâ€“Organic Frameworks and Their Derived Oxides: A Correlation of the Reaction Mechanism with the Electronic Structure. Inorganic Chemistry, 2022, 61, 2476-2489.	4.0	31
118	STUDIES ON THE ADSORPTION OF FURFURAL FROM AQUEOUS SOLUTION ONTO LOW-COST BAGASSE FLY ASH. Chemical Engineering Communications, 2007, 195, 316-335.	2.6	30
119	Electrocoagulation Studies on Treatment of Biodigester Effluent using Aluminum Electrodes. Water, Air, and Soil Pollution, 2009, 199, 371-379.	2.4	30
120	Dimethyl carbonate synthesis via transesterification of propylene carbonate with methanol by ceria-zinc catalysts: Role of catalyst support and reaction parameters. Korean Journal of Chemical Engineering, 2015, 32, 1774-1783.	2.7	30
121	Mechanistic evaluation of heterocyclic aromatic compounds mineralization by a Cu doped ZnO photo-catalyst. Photochemical and Photobiological Sciences, 2019, 18, 1540-1555.	2.9	30
122	Click-based porous inorganicâ€“organic hybrid material (PHM) containing cyclophosphazene unit and their application in carbon dioxide capture. RSC Advances, 2014, 4, 34860-34863.	3.6	29
123	Theoretical and experimental studies on hazard analysis of LPG/LNG release: a review. Reviews in Chemical Engineering, 2017, 33, .	4.4	28
124	Cyclophosphazene-Based Hybrid Nanoporous Materials as Superior Metal-Free Adsorbents for Gas Sorption Applications. Langmuir, 2018, 34, 2926-2932.	3.5	28
125	Studies on Adsorptive Desulfurization by Activated Carbon. Clean - Soil, Air, Water, 2012, 40, 545-550.	1.1	27
126	Comparative study of industrial and laboratory prepared purified terephthalic acid (PTA) waste water with electro-coagulation process. Separation and Purification Technology, 2014, 128, 80-88.	7.9	27

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127	Chemical treatment of teff straw by sodium hydroxide, phosphoric acid and zinc chloride: adsorptive removal of chromium. International Journal of Environmental Science and Technology, 2016, 13, 2415-2426.	3.5	27
128	A nitrogen and phosphorus enriched pyridine bridged inorganicâ€“organic hybrid material for supercapacitor application. New Journal of Chemistry, 2019, 43, 16670-16675.	2.8	27
129	Synthesis of Periodic Mesoporous Coesite. Journal of the American Chemical Society, 2009, 131, 9638-9639.	13.7	26
130	Electrochemical treatment of actual sugar industry wastewater using aluminum electrode. International Journal of Environmental Science and Technology, 2015, 12, 3519-3530.	3.5	26
131	Hierarchical Nanostructured ZnO-CuO Nanocomposite and its Photocatalytic Activity. Journal of Nano Research, 0, 35, 21-26.	0.8	26
132	Jatropha curcas phytotomy and applications: Development as a potential biofuel plant through biotechnological advancements. Renewable and Sustainable Energy Reviews, 2016, 59, 818-838.	16.4	26
133	Mineralization of pyrrole, a recalcitrant heterocyclic compound, by electrochemical method: Multi-response optimization and degradation mechanism. Journal of Environmental Management, 2017, 198, 144-152.	7.8	26
134	Diethyl carbonate synthesis by ethanolysis of urea using Ce-Zn oxide catalysts. Fuel Processing Technology, 2017, 161, 116-124.	7.2	26
135	Electrochemical treatment of dye-bath effluent by stainless steel electrodes: Multiple response optimization and residue analysis. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 2040-2051.	1.7	25
136	Iodine sequestration using cyclophosphazene based inorganic-organic hybrid nanoporous materials: Role of surface functionality and pore size distribution. Journal of Molecular Liquids, 2019, 283, 58-64.	4.9	25
137	Ultrasound-assisted electrochemical treatment of cosmetic industry wastewater: Mechanistic and detoxification analysis. Journal of Hazardous Materials, 2022, 422, 126842.	12.4	25
138	Synthesis of periodic mesoporous phosphorusâ€“nitrogen frameworks by nanocasting from mesoporous silica using melt-infiltration. Journal of Materials Chemistry, 2009, 19, 2400.	6.7	24
139	Ultrafast Sonochemical Synthesis of Methane and Ethane Bridged Periodic Mesoporous Organosilicas. Langmuir, 2010, 26, 1147-1151.	3.5	24
140	A multifunctional triazine-based nanoporous polymer as a versatile organocatalyst for CO₂utilization and Câ€“C bond formation. Chemical Communications, 2019, 55, 11607-11610.	4.1	24
141	Quaternary Ammonium Salts-Based Deep Eutectic Solvents: Utilization in Extractive Desulfurization. Energy & Fuels, 2021, 35, 12734-12745.	5.1	24
142	Selective liquid phase benzyl alcohol oxidation over Cu-loaded LaFeO₃ perovskite. RSC Advances, 2016, 6, 4469-4477.	3.6	23
143	Synthesis of dimethyl carbonate by transesterification reaction using ceria-zinc oxide catalysts prepared with different chelating agents. Applied Clay Science, 2017, 150, 275-281.	5.2	23
144	Dimethyl Carbonate Synthesis via Transesterification of Propylene Carbonate Using an Efficient Reduced Graphene Oxide-Supported ZnO Nanocatalyst. Energy & Fuels, 2020, 34, 7455-7464.	5.1	23

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145	Evaluation of the sono-assisted photolysis method for the mineralization of toxic pollutants. Separation and Purification Technology, 2021, 258, 117903.	7.9	23
146	Synthesis of Stishovite Nanocrystals from Periodic Mesoporous Silica. Journal of the American Chemical Society, 2009, 131, 2764-2765.	13.7	22
147	Studies of adsorption kinetics and regeneration of aniline, phenol, 4-chlorophenol and 4-nitrophenol by activated carbon. Chemical Industry and Chemical Engineering Quarterly, 2013, 19, 195-212.	0.7	22
148	Harnessing electron-rich framework in cyclophosphazene derived hybrid nanoporous materials for organocatalytic C C bond formation and gas sorption applications. Journal of CO2 Utilization, 2018, 25, 302-309.	6.8	22
149	Superior reduction of nitrate with simultaneous oxidation of intermediates and enhanced nitrogen gas selectivity via novel electrochemical treatment. Chemical Engineering Research and Design, 2021, 147, 245-258.	5.6	22
150	Simple systematic synthesis of size-tunable covalent organophosphonitridic framework nano- and microspheres. New Journal of Chemistry, 2010, 34, 215.	2.8	21
151	Electrochemical treatment of acrylic dye-bearing textile wastewater: optimization of operating parameters. Desalination and Water Treatment, 2014, 52, 111-122.	1.0	21
152	Facile fabrication and photoelectrochemical properties of a one axis-oriented NiO thin film with a (111) dominant facet. Journal of Materials Chemistry A, 2014, 2, 19867-19872.	10.3	21
153	Aerobic degradation of petroleum refinery wastewater in sequential batch reactor. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 1436-1444.	1.7	21
154	Preparation and characterisation of biosilica from teff (eragrostis tef) straw by thermal method. Materials Letters, 2017, 206, 13-17.	2.6	21
155	Nitrogen Amelioration-Driven Carbon Dioxide Capture by Nanoporous Polytriazine. Langmuir, 2019, 35, 4893-4901.	3.5	21
156	Understanding of ultrasound enhanced electrochemical oxidation of persistent organic pollutants. Journal of Water Process Engineering, 2020, 37, 101378.	5.6	21
157	Periodic Mesoporous Organosilica Nanorice. Nanoscale Research Letters, 2009, 4, 169-172.	5.7	20
158	Solvent evaluation for desulfurization and denitrification of gas oil using performance and industrial usability indices. AICHE Journal, 2015, 61, 2257-2267.	3.6	20
159	Biosilica preparation from abundantly available African biomass Teff (Eragrostis tef) straw ash by sol-gel method and its characterization. Biomass Conversion and Biorefinery, 2018, 8, 971-978.	4.6	20
160	Nitrogen enriched polytriazine as a metal-free heterogeneous catalyst for the Knoevenagel reaction under mild conditions. New Journal of Chemistry, 2018, 42, 12924-12928.	2.8	20
161	Dimethyl carbonate production via transesterification reaction using nitrogen functionalized graphene oxide nanosheets. Renewable Energy, 2021, 175, 1-13.	8.9	19
162	Direct Formation of Mesoporous Coesite Single Crystals from Periodic Mesoporous Silica at Extreme Pressure. Angewandte Chemie - International Edition, 2010, 49, 4301-4305.	13.8	18

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163	Removal of refractory sulfur and aromatic compounds from straight run gas oil using solvent extraction. RSC Advances, 2014, 4, 38830-38838.	3.6	18
164	Nitrogen enriched triazine bridged mesoporous organosilicas for CO2 capture and dye adsorption applications. Journal of Molecular Liquids, 2017, 248, 127-134.	4.9	18
165	Citrate combustion synthesized Al-doped CaCu₃Ti₄O₁₂ quadruple perovskite: synthesis, characterization and multifunctional properties. Physical Chemistry Chemical Physics, 2020, 22, 3499-3511.	2.8	18
166	Effect of Dopants on ZnO Mediated Photocatalysis of Dye Bearing Wastewater: A Review. Materials Science Forum, 0, 757, 165-174.	0.3	17
167	Synthesis and application of green mixed-metal oxide nano-composite materials from solid waste for dye degradation. Journal of Environmental Management, 2016, 181, 146-156.	7.8	17
168	Alkaline Earth (Ca, Mg) and Transition (La, Y) Metals Promotional Effects on Znâ€“Al Catalysts During Diethyl Carbonate Synthesis from Ethyl Carbamate and Ethanol. Catalysis Letters, 2017, 147, 1891-1902.	2.6	17
169	Mechanistic Study and Multiâ€Response Optimization of the Electrochemical Treatment of Petroleum Refinery Wastewater. Clean - Soil, Air, Water, 2018, 46, 1700624.	1.1	17
170	Exploring temple floral refuse for biochar production as a closed loop perspective for environmental management. Waste Management, 2018, 77, 78-86.	7.4	17
171	Chemically modified biochar derived from effluent treatment plant sludge of a distillery for the removal of an emerging pollutant, tetracycline, from aqueous solution. Biomass Conversion and Biorefinery, 2021, 11, 2735-2746.	4.6	17
172	Ultrasound-assisted enhanced electroxidation for mineralization of persistent organic pollutants: A review of electrodes, reactor configurations and kinetics. Critical Reviews in Environmental Science and Technology, 2021, 51, 1667-1701.	12.8	17
173	Simulation of a Fluidizedâ€Bed Reactor for Dimethyl Ether Synthesis. Chemical Engineering and Technology, 2010, 33, 1967-1978.	1.5	16
174	Solvothermally synthesized nanoporous hypercrosslinked polyaniline: studies of the gas sorption and charge storage behavior. RSC Advances, 2016, 6, 56421-56428.	3.6	16
175	Nanocasted polytriazine-SBA-16 mesoporous composite for the conversion of CO2 to cyclic carbonates. Journal of CO2 Utilization, 2020, 40, 101189.	6.8	16
176	Mineralization of perfluorooctanoic acid by combined aerated electrocoagulation and Modified peroxi-coagulation methods. Journal of the Taiwan Institute of Chemical Engineers, 2021, 118, 169-178.	5.3	16
177	African Americans Are Less Likely to Have Clearance of Hepatitis C Virus Infection. Journal of Clinical Gastroenterology, 2012, 46, e62-e65.	2.2	15
178	Multistep Optimization and Residue Disposal Study for Electrochemical Treatment of Textile Wastewater Using Aluminum Electrode. International Journal of Chemical Reactor Engineering, 2013, 11, 31-46.	1.1	15
179	Removal of Refractive Sulfur and Aromatic Compounds from Straight-Run, Fluidized Catalytic Cracking, and Coker Gas Oil Using N-Methyl-2-pyrrolidone in Batch and Packed-Bed Extractors. Energy & Fuels, 2015, 29, 4634-4643.	5.1	15
180	Catalytic Degradation of Pyrrole in Aqueous Solution by Cu/SBA-15. International Journal of Chemical Reactor Engineering, 2015, 13, 437-445.	1.1	15

#	Article	IF	Citations
181	Synthesis and Characterization of Nano-Silica from Teff Straw. Journal of Nano Research, 0, 46, 64-72.	0.8	15
182	Heterogeneous vanadium-catalyzed oxidative cleavage of olefins for sustainable synthesis of carboxylic acids. Chemical Communications, 2021, 57, 5430-5433.	4.1	15
183	Synthesis of Cu-based catalysts for hydrogenolysis of glycerol to 1,2-propanediol with in-situ generated hydrogen. Journal of Environmental Chemical Engineering, 2021, 9, 105263.	6.7	15
184	Studies on biodegradation of resorcinol in sequential batch reactor. International Biodeterioration and Biodegradation, 2010, 64, 764-768.	3.9	14
185	Surface Modification or Doping of WO₃ for Enhancing the Photocatalytic Degradation of Organic Pollutant Containing Wastewaters: A Review. Materials Science Forum, 0, 855, 105-126.	0.3	14
186	Simultaneous Desulfurization and Denitrogenation of Liquid Fuel by Nickel-Modified Granular Activated Carbon. Energy & Fuels, 2016, 30, 6161-6168.	5.1	14
187	Competitive adsorption isotherm modelling of heterocyclic nitrogenous compounds, pyridine and quinoline, onto granular activated carbon and bagasse fly ash. Chemical Papers, 2018, 72, 617-628.	2.2	14
188	Efficient Synthesis of Diethyl Carbonate from Propylene Carbonate and Ethanol Using Mgâ€“La Catalysts: Characterization, Parametric, and Thermodynamic Analysis. Industrial & Engineering Chemistry Research, 2018, 57, 12726-12735.	3.7	14
189	Multicomponent adsorption isotherm modeling using thermodynamically inconsistent and consistent models. AlCHE Journal, 2019, 65, e16727.	3.6	14
190	A Suitable Combination of Electrodes for Simultaneous Reduction of Nitrates and Oxidation of Ammonium Ions in an Explosive Industry Wastewater. Industrial & Engineering Chemistry Research, 2021, 60, 5482-5493.	3.7	14
191	Ultrasound-Induced Intensification of Electrochemical Treatment of Bulk Drug Pharmaceutical Wastewater. ACS ES&T Water, 2021, 1, 1941-1954.	4.6	14
192	Mechanistic kinetic modeling of simultaneous electrochemical nitrate reduction and ammonium ion oxidation in wastewater. Chemical Engineering Science, 2022, 247, 117025.	3.8	14
193	Simultaneous Adsorptive Desulfurization and Denitrogenation by Zinc Loaded Activated Carbon: Optimization of Parameters. Petroleum Science and Technology, 2015, 33, 1667-1675.	1.5	13
194	Copper succinate nanoparticles synthesis by electrochemical method: Effect of pH on structural, thermal and textural properties. Materials Letters, 2015, 150, 130-134.	2.6	13
195	Synthesis and Characterization of ZnOâ€“MgO Nanocomposite by Co-precipitation Method. Smart Science, 2016, 4, 190-195.	3.2	13
196	Catalytic peroxidation of recalcitrant quinoline by ceria impregnated granular activated carbon. Clean Technologies and Environmental Policy, 2017, 19, 1547-1555.	4.1	13
197	Highly efficient Co(II) porphyrin catalysts for the extractive oxidative desulfurization of dibenzothiophene in fuel oils under mild conditions. Journal of Porphyrins and Phthalocyanines, 2021, 25, 24-30.	0.8	13
198	Removal of toxic hydroquinone: Comparative studies on use of iron impregnated granular activated carbon as an adsorbent and catalyst. Environmental Engineering Research, 2019, 24, 474-483.	2.5	13

#	Article	IF	Citations
199	Synthesis of zinc/ferrocyanide nano-composite catalysts having a high activity for transesterification reaction. Renewable Energy, 2020, 148, 946-952.	8.9	12
200	Comparative thermodynamic analysis of CO₂ based dimethyl carbonate synthesis routes. Canadian Journal of Chemical Engineering, 2021, 99, 467-478.	1.7	12
201	Evaluation of photocatalytic performances of PEG and PVP capped zinc sulfide nanoparticles towards organic environmental pollutant in presence of sunlight. Chemosphere, 2022, 298, 134281.	8.2	12
202	Oxidative-Extractive Desulfurization of Liquid Fuel by Dimethyl Sulfoxide and ZnCl₂Based Ionic Liquid. International Journal of Chemical Reactor Engineering, 2016, 14, 539-545.	1.1	11
203	Oxidative-extractive desulfurization of liquid fuel using stannous chloride-acetic acid mixture as catalyst. Petroleum Science and Technology, 2018, 36, 40-47.	1.5	11
204	Synthesis of diethyl carbonate from ethanol through different routes: A thermodynamic and comparative analysis. Canadian Journal of Chemical Engineering, 2018, 96, 414-420.	1.7	11
205	Ce/Al₂O₃ as an efficient catalyst for oxidative desulfurization of liquid fuel. Petroleum Science and Technology, 2019, 37, 633-640.	1.5	11
206	Kinetic and Thermodynamic Analysis of Thermal Decomposition of Deodar (Cedrus Deodara) Saw Dust and Rice Husk as Potential Feedstock for Pyrolysis. International Journal of Chemical Reactor Engineering, 2019, 17, .	1.1	11
207	Heteroatom driven activation and conversion of CO₂ using cyclophosphazene based inorganicâ€“organic hybrid nanoporous materials. Sustainable Energy and Fuels, 2021, 5, 3213-3218.	4.9	11
208	Removal of 4-nitrophenol from binary aqueous solution with aniline by granular activated carbon using Taguchiâ€™s design of experimental methodology. Theoretical Foundations of Chemical Engineering, 2013, 47, 284-290.	0.7	10
209	Treatment of fertilizer industry wastewater by catalytic peroxidation process using copper-loaded SBA-15. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 1468-1478.	1.7	10
210	Comparative studies on adsorptive removal of indole by granular activated carbon and bagasse fly ash. Environmental Progress and Sustainable Energy, 2015, 34, 492-503.	2.3	10
211	Efficient teff-strawÂbased biocomposites with chitosan and alginate for pyridine removal. International Journal of Environmental Science and Technology, 2019, 16, 5757-5766.	3.5	10
212	Immobilization of Î±-Fe2O3 nanoparticles on the cellulose surface: role of cellulose in tuning the microstructure and crystallographic phase. Cellulose, 2019, 26, 1757-1767.	4.9	10
213	Breakthrough modeling of furfural sorption behavior in a bagasse fly ash packed bed. Environmental Engineering Research, 2020, 25, 104-113.	2.5	10
214	Hazardous maize processing industrial sludge: Thermo-kinetic assessment and sulfur recovery by evaporation-condensation technique. Journal of Hazardous Materials, 2022, 424, 127477.	12.4	10
215	Effect of Hydraulic Retention Time and Filling Time on Simultaneous Biodegradation of Phenol, Resorcinol and Catechol in a Sequencing Batch Reactor. Archives of Environmental Protection, 2013, 39, 69-80.	1.1	9
216	Simulation of fluidized bed reactor for producing synthesis gas by catalytic CH4â€“CO2 reforming. Journal of CO2 Utilization, 2014, 5, 10-16.	6.8	9

#	ARTICLE	IF	CITATIONS
217	Simultaneous adsorption of nitrogenous heterocyclic compounds by granular activated carbon: parameter optimization and multicomponent isotherm modeling. RSC Advances, 2014, 4, 39732-39742.	3.6	9
218	Multi-Response Optimization of Parameters for the Electrocoagulation Treatment of Electroplating Wash-Water using Aluminum Electrodes. Separation Science and Technology, 2015, 50, 181-190.	2.5	9
219	Effect of gas oil composition on performance parameters of the extractive desulfurization process. RSC Advances, 2016, 6, 25293-25301.	3.6	9
220	Bioenergy Potential of Salix alba Assessed Through Kinetics and Thermodynamic Analyses. Process Integration and Optimization for Sustainability, 2018, 2, 259-268.	2.6	9
221	Multicomponent column optimization of ternary adsorption based removal of phenolic compounds using modified activated carbon. Journal of Environmental Chemical Engineering, 2021, 9, 104843.	6.7	9
222	Transformation of textile dyeing industrial sludge into economical biochar for sorption of ofloxacin: equilibrium, kinetic, and cost analysis. Biomass Conversion and Biorefinery, 2024, 14, 1881-1893.	4.6	9
223	Simple Systematic Synthesis of Periodic Mesoporous Organosilica Nanoparticles with Adjustable Aspect Ratios. Nanoscale Research Letters, 2009, 4, 1524-9.	5.7	8
224	Discoid Bicelles as Efficient Templates for Pillared Lamellar Periodic Mesoporous Silicas at pH 7 and Ultrafast Reaction Times. Nanoscale Research Letters, 2010, 6, 61.	5.7	8
225	Removal of 4-chlorophenol in sequencing batch reactor with and without granular-activated carbon. Desalination and Water Treatment, 2014, 52, 4404-4412.	1.0	8
226	Synthesis and characterization of copper succinate and copper oxide nanoparticles by electrochemical treatment: Optimization by Taguchi robust analysis. Canadian Journal of Chemical Engineering, 2016, 94, 1322-1327.	1.7	8
227	Modelling of Binary Isotherm Behaviour for the Adsorption of Catechol with Phenol and Resorcinol onto Rice Husk Ash. Indian Chemical Engineer, 2017, 59, 312-334.	1.5	8
228	Electro-chemical mineralization of recalcitrant indole by platinum-coated titanium electrode: multi-response optimization, mechanistic and sludge disposal study. International Journal of Environmental Science and Technology, 2018, 15, 349-360.	3.5	8
229	Catalytic conversion of CO2: Electrochemically to ethanol and thermochemically to cyclic carbonates using nanoporous polytriazine. Journal of CO2 Utilization, 2021, 52, 101676.	6.8	8
230	Synthesis of Propylene Carbonate from Propane-1,2-diol and Urea Using Hydrotalcite-Derived Catalysts. Energy & Fuels, 2017, 31, 9890-9897.	5.1	7
231	Preâ€Carbonization: An Efficient Route to Improve the Textural and Gas Sorption Properties of Nitrogenâ€Enriched Nanoporous Polytriazine. ChemNanoMat, 2020, 6, 113-117.	2.8	7
232	Optimization and Kinetics of Furfural Oxidation to Furoic Acid Over Alum-impregnated Activated Alumina. Indian Chemical Engineer, 2013, 55, 153-164.	1.5	6
233	Synthesis and Characterization of Copper Nanoparticles by Electrochemical Method: Effect of pH. Journal of Nano Research, 0, 31, 81-92.	0.8	6
234	Insight into the thermal kinetics and thermodynamics of sulfuric acid plant sludge for efficient recovery of sulfur. Waste Management, 2022, 140, 233-244.	7.4	6

#	ARTICLE	IF	CITATIONS
235	Microbial peroxide producing cell mediated lignin valorization. International Journal of Biological Macromolecules, 2022, 202, 431-437.	7.5	6
236	On the high-pressure behavior of periodic mesoscale SBA-16 silica/carbon composites: studies at 10ÂGPa between 25 and 1800ÂÂ°C. High Pressure Research, 2009, 29, 754-763.	1.2	5
237	Parameteric Optimization of Dye Removal by Electrocoagulation Using Taguchi Methodology. International Journal of Chemical Reactor Engineering, 2011, 9, .	1.1	5
238	Equilibrium Modeling of Ternary Adsorption of Phenols onto Modified Activated Carbon. Theoretical Foundations of Chemical Engineering, 2018, 52, 271-285.	0.7	5
239	Synthesis of N-benzylated cobalt phthalocyaninetetrasulfonamide and its application in oxidative desulfurization catalysis. Journal of Coordination Chemistry, 2019, 72, 2982-2996.	2.2	5
240	Manganese Trioxide with Various Morphologies: Applications in Catalytic Dye Degradation. ChemistrySelect, 2020, 5, 4674-4684.	1.5	5
241	Sorption/desorption of aqueous mercury ions [Hg2+] onto/from sulfur-impregnated attapulgite: Process optimization, co-existing anions and regeneration studies. Journal of the Taiwan Institute of Chemical Engineers, 2021, 119, 204-212.	5.3	5
242	Extractive desulfurization using ethylene glycol and glycerol-based deep eutectic solvents: engineering aspects and intensification using ultrasound. Chemical Engineering and Processing: Process Intensification, 2022, 180, 108973.	3.6	5
243	Studies on Bi-Cyclic Aromatics Extraction using Furfural and N-Methyl Pyrrolidone (NMP) as Solvent. Separation Science and Technology, 2012, 47, 1762-1770.	2.5	4
244	Comparative Studies on Nitrophenol Removal byAdsorption and Simultaneous Adsorption-Biodegradation Processes. International Journal of Chemical Reactor Engineering, 2013, 11, 595-607.	1.1	4
245	Oxidative Desulfurization of Dibenzothiophene by Zirconia-Based Catalysts. International Journal of Chemical Reactor Engineering, 2014, 12, 295-302.	1.1	4
246	Incident analysis of various sections of a liquefied petroleum gas (LPG) bottling plant. Indian Chemical Engineer, 2021, 63, 50-61.	1.5	4
247	La2O3 nanorods - reduced graphene oxide composite as a novel catalyst for dimethyl carbonate production via transesterification route. Materials Today Communications, 2021, 29, 102974.	1.9	4
248	Kinetic Modeling and Sensitivity Analysis of Kinetic Parameters for L-Glutamic Acid Production Using Corynebacterium glutamicum. International Journal of Chemical Reactor Engineering, 2009, 7, .	1.1	3
249	Oxygen Mass Transfer in Bioreactors. , 2011, , 947-956.		3
250	Competitive adsorption of phenol and resorcinol onto rice husk ash. Theoretical Foundations of Chemical Engineering, 2014, 48, 60-70.	0.7	3
251	Binary Isotherm Modeling for Simultaneous Desulfurization and Denitrogenation of Model Fuel by Zinc Loaded Activated Carbon. International Journal of Chemical Reactor Engineering, 2017, 15, .	1.1	3
252	Kinetic Modeling of Ethanol Production for Substrateâ€“Microbe System. Biofuel and Biorefinery Technologies, 2018, , 361-372.	0.3	3

#	ARTICLE	IF	CITATIONS
253	Advance reduction processes for denitrification of wastewater. , 2020, , 297-314.		3
254	Binary electrochemical mineralization of heterocyclic nitrogenous compounds: parametric optimization using Taguchi method and mineralization mechanism. Environmental Science and Pollution Research, 2021, 28, 7332-7346.	5.3	3
255	Treatment of biologically treated distillery spent wash employing electrocoagulation and reverse-osmosis treatment train. Environmental Technology (United Kingdom), 2022, 43, 4257-4268.	2.2	3
256	Synthesis of Biodiesel from Transesterification of Jatropha Oil with Methanol Using Double Metal Cyanide as Catalyst. Journal of Clean Energy Technologies, 2017, 5, 23-26.	0.1	3
257	A Solution Study of the Interaction of the Cu(II) Ions with HisGlyGlyTrp Tetrapeptide and Its Evaluation as Superoxide Dismutase Mimetic Complex. Protein and Peptide Letters, 2011, 18, 1280-1289.	0.9	2
258	Recent Advances in Fabrication of Photocatalytic Micro-Reactor. Materials Science Forum, 2016, 855, 156-167.	0.3	2
259	Modelling single and binary adsorptive behaviour of aniline and nitrobenzene onto granular activated carbon. Physics and Chemistry of Liquids, 2020, 58, 150-163.	1.2	2
260	Optimizing experimental binary adsorption of anilineâ€“nitrobenzene onto granular activated carbon packed bed by Taguchiâ€™s methodology. Journal of Water Process Engineering, 2020, 34, 101045.	5.6	2
261	In-situ-grown hierarchical mesoporous Li3VO4 on GO as a viable anode material for lithium ion batteries. Bulletin of Materials Science, 2020, 43, 1.	1.7	2
262	Two-stage electrochemical treatment of bio-digested distillery spent wash using stainless steel and aluminum electrodes. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 617-30.	1.7	2
263	Glycerol as a Green Solvent in Organic Reactions. Materials Research Foundations, 2019, , 202-223.	0.3	2
264	Microwave assisted ultrafast immobilization of CuO nanostructures in paper matrices for antimicrobial applications. Cellulose, 2022, 29, 2633-2643.	4.9	2
265	Activity coefficient of multi-ions and Gibbs free energy calculation during electrochemical nitrate reduction in synthetic and actual wastewater. Journal of Chemical Thermodynamics, 2022, 164, 106621.	2.0	1
266	Efficient Synthesis of Diethyl Carbonate by Mg, Zn Promoted Hydroxyapatite via Transesterification Reaction. International Journal of Chemical Reactor Engineering, 2020, 18, .	1.1	1
267	Copper (II) Complexes with Ac-HXH-NHMe (X=Gly, Ala and Aib) Peptide Motifs: Influence of Increasing CH3 Groups at Cα of Residue X on the Coordination in Solution. Protein and Peptide Letters, 2007, 14, 305-310.	0.9	0
268	Existence of Synergistic Effects During Co-pyrolysis of Petroleum Coke and Wood Pellet. International Journal of Chemical Reactor Engineering, 2017, 15, .	1.1	0
269	Desulphurization of gas oil in a packed bed extractor: Optimization of operating parameters for simultaneous maximization of efficiency and yield by desirability approach. Canadian Journal of Chemical Engineering, 2017, 95, 142-149.	1.7	0
270	Advances in Electrocatalyst for Ethanol Electro-Oxidation. Materials Research Foundations, 2019, , 293-320.	0.3	0

#	ARTICLE	IF	CITATIONS
271	Waste-derived biochar/carbon for various environmental and energy applications. , 2022, , 339-363.		0
272	Synthesis of Sn-doped ZnO catalysts by solution combustion method for photocatalytic activity: a parametric study. International Journal of Environmental Science and Technology, 0, , .	3.5	0