

Vimal Chandra Srivastava

List of Publications by Citations

Source: <https://exaly.com/author-pdf/153870/vimal-chandra-srivastava-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

263
papers

11,960
citations

53
h-index

101
g-index

276
ext. papers

13,363
ext. citations

5.3
avg, IF

7.22
L-index

#	Paper	IF	Citations
263	Adsorptive removal of phenol by bagasse fly ash and activated carbon: Equilibrium, kinetics and thermodynamics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006 , 272, 89-104	5.1	608
262	Removal of Orange-G and Methyl Violet dyes by adsorption onto bagasse fly ash: Kinetic study and equilibrium isotherm analyses. <i>Dyes and Pigments</i> , 2006 , 69, 210-223	4.6	604
261	An evaluation of desulfurization technologies for sulfur removal from liquid fuels. <i>RSC Advances</i> , 2012 , 2, 759-783	3.7	551
260	Removal of congo red from aqueous solution by bagasse fly ash and activated carbon: kinetic study and equilibrium isotherm analyses. <i>Chemosphere</i> , 2005 , 61, 492-501	8.4	521
259	Adsorptive removal of malachite green dye from aqueous solution by bagasse fly ash and activated carbon-kinetic study and equilibrium isotherm analyses. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005 , 264, 17-28	5.1	405
258	Characterization of mesoporous rice husk ash (RHA) and adsorption kinetics of metal ions from aqueous solution onto RHA. <i>Journal of Hazardous Materials</i> , 2006 , 134, 257-67	12.8	393
257	Kinetic and equilibrium isotherm studies for the adsorptive removal of Brilliant Green dye from aqueous solution by rice husk ash. <i>Journal of Environmental Management</i> , 2007 , 84, 390-400	7.9	339
256	Equilibrium modelling of single and binary adsorption of cadmium and nickel onto bagasse fly ash. <i>Chemical Engineering Journal</i> , 2006 , 117, 79-91	14.7	299
255	Rice husk ash as an effective adsorbent: evaluation of adsorptive characteristics for Indigo Carmine dye. <i>Journal of Environmental Management</i> , 2009 , 90, 710-20	7.9	287
254	Characterization and utilization of mesoporous fertilizer plant waste carbon for adsorptive removal of dyes from aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006 , 278, 175-187	5.1	282
253	Adsorption thermodynamics and isosteric heat of adsorption of toxic metal ions onto bagasse fly ash (BFA) and rice husk ash (RHA). <i>Chemical Engineering Journal</i> , 2007 , 132, 267-278	14.7	232
252	Porous covalent electron-rich organonitridic frameworks as highly selective sorbents for methane and carbon dioxide. <i>Nature Communications</i> , 2011 , 2, 401	17.4	229
251	Use of bagasse fly ash as an adsorbent for the removal of brilliant green dye from aqueous solution. <i>Dyes and Pigments</i> , 2007 , 73, 269-278	4.6	223
250	Adsorptive desulfurization by activated alumina. <i>Journal of Hazardous Materials</i> , 2009 , 170, 1133-40	12.8	204
249	Removal of cadmium(II) and zinc(II) metal ions from binary aqueous solution by rice husk ash. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 312, 172-184	5.1	175
248	Competitive adsorption of cadmium(II) and nickel(II) metal ions from aqueous solution onto rice husk ash. <i>Chemical Engineering and Processing: Process Intensification</i> , 2009 , 48, 370-379	3.7	163
247	An overview of various technologies for the treatment of dairy wastewaters. <i>Critical Reviews in Food Science and Nutrition</i> , 2011 , 51, 442-52	11.5	145

246	Optimization of an azo dye batch adsorption parameters using BoxBehnken design. <i>Desalination</i> , 2009 , 249, 1273-1279	10.3	144
245	Adsorption of toxic metal ions onto activated carbon. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008 , 47, 1269-1280	3.7	129
244	Organics removal from dairy wastewater by electrochemical treatment and residue disposal. <i>Separation and Purification Technology</i> , 2010 , 76, 198-205	8.3	124
243	Photocatalytic Oxidation of Dye Bearing Wastewater by Iron Doped Zinc Oxide. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 17790-17799	3.9	103
242	Adsorptive removal of Auramine-O: kinetic and equilibrium study. <i>Journal of Hazardous Materials</i> , 2007 , 143, 386-95	12.8	100
241	Treatment of pulp and paper mill wastewaters with poly aluminium chloride and bagasse fly ash. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005 , 260, 17-28	5.1	96
240	Prediction of Breakthrough Curves for Sorptive Removal of Phenol by Bagasse Fly Ash Packed Bed. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 1603-1613	3.9	89
239	Treatment of dairy wastewater by commercial activated carbon and bagasse fly ash: Parametric, kinetic and equilibrium modelling, disposal studies. <i>Bioresource Technology</i> , 2010 , 101, 3474-83	11	86
238	Electrochemical treatment of a distillery wastewater: Parametric and residue disposal study. <i>Chemical Engineering Journal</i> , 2009 , 148, 496-505	14.7	85
237	Electro-oxidation of nitrophenol by ruthenium oxide coated titanium electrode: Parametric, kinetic and mechanistic study. <i>Chemical Engineering Journal</i> , 2015 , 263, 135-143	14.7	83
236	Phosphate Removal from Aqueous Solution Using Coir-Pith Activated Carbon. <i>Separation Science and Technology</i> , 2010 , 45, 1463-1470	2.5	82
235	Treatment of bio-digester effluent by electrocoagulation using iron electrodes. <i>Journal of Hazardous Materials</i> , 2009 , 165, 345-52	12.8	80
234	Modelling Individual and Competitive Adsorption of Cadmium(II) and Zinc(II) Metal Ions from Aqueous Solution onto Bagasse Fly Ash. <i>Separation Science and Technology</i> , 2006 , 41, 2685-2710	2.5	77
233	Mechanism of Dye Degradation during Electrochemical Treatment. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 15229-15240	3.8	74
232	Techniques for oxygen transfer measurement in bioreactors: a review. <i>Journal of Chemical Technology and Biotechnology</i> , 2009 , 84, 1091-1103	3.5	74
231	Fixed-bed study for adsorptive removal of furfural by activated carbon. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009 , 332, 50-56	5.1	73
230	Quinoline adsorption onto granular activated carbon and bagasse fly ash. <i>Chemical Engineering Journal</i> , 2012 , 181-182, 343-351	14.7	72
229	International Journal of Energy and Environmental Engineering. <i>International Journal of Energy and Environmental Engineering</i> , 2012 , 3, 32	4	69

228	Adsorption of Furfural from Aqueous Solution onto Activated Carbon: Kinetic, Equilibrium and Thermodynamic Study. <i>Separation Science and Technology</i> , 2008 , 43, 1239-1259	2.5	68
227	Diethyl carbonate: critical review of synthesis routes, catalysts used and engineering aspects. <i>RSC Advances</i> , 2016 , 6, 32624-32645	3.7	66
226	Treatment of dairy wastewater by inorganic coagulants: Parametric and disposal studies. <i>Water Research</i> , 2010 , 44, 5867-74	12.5	64
225	Simple Synthesis of Large Graphene Oxide Sheets via Electrochemical Method Coupled with Oxidation Process. <i>ACS Omega</i> , 2018 , 3, 10233-10242	3.9	64
224	Synthesis of organic carbonates from alcoholysis of urea: A review. <i>Catalysis Reviews - Science and Engineering</i> , 2017 , 59, 1-43	12.6	63
223	Comparative study of electrochemical oxidation for dye degradation: Parametric optimization and mechanism identification. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 2911-2921	6.8	62
222	Studies on adsorptive desulfurization by zirconia based adsorbents. <i>Fuel</i> , 2011 , 90, 3209-3216	7.1	62
221	Comparative Studies on Structural, Optical, and Textural Properties of Combustion Derived ZnO Prepared Using Various Fuels and Their Photocatalytic Activity. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 7948-7956	3.9	61
220	Multicomponent Adsorption Study of Metal Ions onto Bagasse Fly Ash Using Taguchi's Design of Experimental Methodology. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 5697-5706	3.9	60
219	Microfluidic-based photocatalytic microreactor for environmental application: a review of fabrication substrates and techniques, and operating parameters. <i>Photochemical and Photobiological Sciences</i> , 2016 , 15, 714-30	4.2	59
218	Dimethyl Carbonate Synthesis from Propylene Carbonate with Methanol Using Cu/Zn/Al Catalyst. <i>Energy & Fuels</i> , 2015 , 29, 2664-2675	4.1	58
217	Catalytic oxidation of nitrobenzene by copper loaded activated carbon. <i>Separation and Purification Technology</i> , 2014 , 125, 284-290	8.3	58
216	Mixed titanium, silicon, and aluminum oxide nanostructures as novel adsorbent for removal of rhodamine 6G and methylene blue as cationic dyes from aqueous solution. <i>Chemosphere</i> , 2016 , 163, 142-152	8.4	57
215	Nanoporous hypercrosslinked polyaniline: An efficient adsorbent for the adsorptive removal of cationic and anionic dyes. <i>Journal of Molecular Liquids</i> , 2016 , 222, 1091-1100	6	57
214	Adsorbed solution theory based modeling of binary adsorption of nitrobenzene, aniline and phenol onto granulated activated carbon. <i>Chemical Engineering Journal</i> , 2013 , 229, 450-459	14.7	56
213	Studies on adsorption/desorption of nitrobenzene and humic acid onto/from activated carbon. <i>Chemical Engineering Journal</i> , 2011 , 168, 35-43	14.7	56
212	Catalytic wet peroxidation of pyridine bearing wastewater by cerium supported SBA-15. <i>Journal of Hazardous Materials</i> , 2013 , 248-249, 355-63	12.8	55
211	Electrocoagulation study for the removal of arsenic and chromium from aqueous solution. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2008 , 43, 554-62	2.3	54

210	Isotherm, Thermodynamics, Desorption, and Disposal Study for the Adsorption of Catechol and Resorcinol onto Granular Activated Carbon. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 811-818	2.8	52
209	Glycerol Carbonate Synthesis by Hierarchically Structured Catalysts: Catalytic Activity and Characterization. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 12543-12552	3.9	51
208	ZnO nanowire-immobilized paper matrices for visible light-induced antibacterial activity against Escherichia coli. <i>Environmental Science: Nano</i> , 2015 , 2, 273-279	7.1	50
207	Comparative Study on Thermodynamic Analysis of CO ₂ Utilization Reactions. <i>Chemical Engineering and Technology</i> , 2014 , 37, 1765-1777	2	50
206	Self-engineered iron oxide nanoparticle incorporated on mesoporous biochar derived from textile mill sludge for the removal of an emerging pharmaceutical pollutant. <i>Environmental Pollution</i> , 2020 , 259, 113822	9.3	50
205	In situ decoration of TiO ₂ nanoparticles on the surface of cellulose fibers and study of their photocatalytic and antibacterial activities. <i>Cellulose</i> , 2015 , 22, 507-519	5.5	49
204	Oxidative desulfurization by chromium promoted sulfated zirconia. <i>Fuel Processing Technology</i> , 2012 , 93, 18-25	7.2	49
203	Optimization of parameters for adsorption of metal ions onto rice husk ash using Taguchi's experimental design methodology. <i>Chemical Engineering Journal</i> , 2008 , 140, 136-144	14.7	48
202	Growth of hierarchical ZnO nano flower on large functionalized rGO sheet for superior photocatalytic mineralization of antibiotic. <i>Chemical Engineering Journal</i> , 2020 , 392, 123746	14.7	48
201	Electrochemical denitrification of highly contaminated actual nitrate wastewater by Ti/RuO ₂ anode and iron cathode. <i>Chemical Engineering Journal</i> , 2020 , 386, 122065	14.7	48
200	Parametric and multiple response optimization for the electrochemical treatment of textile printing dye-bath effluent. <i>Separation and Purification Technology</i> , 2013 , 109, 135-143	8.3	47
199	Investigation of the Electrocoagulation Treatment of Cotton Blue Dye Solution using Aluminium Electrodes. <i>Clean - Soil, Air, Water</i> , 2008 , 36, 863-869	1.6	47
198	Synthesis and characterization of CeO ₂ oxides for the formation of dimethyl carbonate by transesterification of propylene carbonate. <i>Catalysis Communications</i> , 2015 , 60, 27-31	3.2	46
197	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. <i>Journal of Loss Prevention in the Process Industries</i> , 2016 , 40, 449-460	3.5	45
196	Catalytic Activity of Cu/SBA-15 for Peroxidation of Pyridine Bearing Wastewater at Atmospheric Condition. <i>AIChE Journal</i> , 2013 , 59, 2577-2586	3.6	44
195	Optimization of Reaction Parameters and Kinetic Modeling of Catalytic Wet Peroxidation of Picoline by Cu/SBA-15. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 9021-9029	3.9	44
194	Studies on electrochemical treatment of dairy wastewater using aluminum electrode. <i>AIChE Journal</i> , 2011 , 57, 2589-2598	3.6	43
193	An overview of the synthesis of CuO-ZnO nanocomposite for environmental and other applications. <i>Nanotechnology Reviews</i> , 2018 , 7, 267-282	6.3	39

192	Adsorption of uranium from aqueous solution as well as seawater conditions by nitrogen-enriched nanoporous polytriazine. <i>Chemical Engineering Journal</i> , 2019 , 378, 122236	14.7	39
191	Treatment of highly acidic wastewater containing high energetic compounds using dimensionally stable anode. <i>Chemical Engineering Journal</i> , 2017 , 325, 289-299	14.7	38
190	Electrochemical mineralization of chlorophenol by ruthenium oxide coated titanium electrode. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 69, 106-117	5.3	38
189	Morphology-controlled green approach for synthesizing the hierarchical self-assembled 3D porous ZnO superstructure with excellent catalytic activity. <i>Microporous and Mesoporous Materials</i> , 2017 , 239, 296-309	5.3	38
188	Hazard analysis of failure of natural gas and petroleum gas pipelines. <i>Journal of Loss Prevention in the Process Industries</i> , 2016 , 40, 217-226	3.5	37
187	Equilibrium Modeling of Ternary Adsorption of Metal Ions onto Rice Husk Ash. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 705-711	2.8	37
186	Metal oxide nanostructures incorporated/immobilized paper matrices and their applications: a review. <i>RSC Advances</i> , 2015 , 5, 83036-83055	3.7	36
185	Dimethyl carbonate synthesis from carbon dioxide using ceria/zirconia catalysts prepared using a templating method: characterization, parametric optimization and chemical equilibrium modeling. <i>RSC Advances</i> , 2016 , 6, 110235-110246	3.7	36
184	Continuous electrocoagulation treatment of pulp and paper mill wastewater: operating cost and sludge study. <i>RSC Advances</i> , 2016 , 6, 16223-16233	3.7	36
183	Zinc oxide nanoparticles synthesis by electrochemical method: Optimization of parameters for maximization of productivity and characterization. <i>Journal of Alloys and Compounds</i> , 2015 , 636, 288-292	5.7	35
182	Teff straw characterization and utilization for chromium removal from wastewater: Kinetics, isotherm and thermodynamic modelling. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 1117-1125	6.8	34
181	Synthesis of cyclophosphazene bridged mesoporous organosilicas for CO ₂ capture and Cr (VI) removal. <i>Microporous and Mesoporous Materials</i> , 2016 , 219, 93-102	5.3	34
180	Adsorption of Hydroquinone in Aqueous Solution by Granulated Activated Carbon. <i>Journal of Environmental Engineering, ASCE</i> , 2011 , 137, 1145-1157	2	34
179	Nitrogen-Enriched Nanoporous Polytriazine for High-Performance Supercapacitor Application. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 5895-5902	8.3	33
178	Unprecedented adsorptive removal of Cr ₂ O ₇ ²⁻ and methyl orange by using a low surface area organosilica. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 17866-17874	13	33
177	Study of Catechol and Resorcinol Adsorption Mechanism through Granular Activated Carbon Characterization, pH and Kinetic Study. <i>Separation Science and Technology</i> , 2011 , 46, 1750-1766	2.5	33
176	Synthesis of nanoporous hypercrosslinked polyaniline (HCPANI) for gas sorption and electrochemical supercapacitor applications. <i>RSC Advances</i> , 2015 , 5, 45749-45754	3.7	32
175	Adsorptive removal of phenol from binary aqueous solution with aniline and 4-nitrophenol by granular activated carbon. <i>Chemical Engineering Journal</i> , 2011 , 171, 997-1003	14.7	32

174	Critical analysis of engineering aspects of shaken flask bioreactors. <i>Critical Reviews in Biotechnology</i> , 2009 , 29, 255-78	9.4	32
173	Efficient ceria-zirconium oxide catalyst for carbon dioxide conversions: Characterization, catalytic activity and thermodynamic study. <i>Journal of Alloys and Compounds</i> , 2017 , 696, 718-726	5.7	31
172	Mechanistic insight into ultrasound-induced enhancement of electrochemical oxidation of ofloxacin: Multi-response optimization and cost analysis. <i>Chemosphere</i> , 2020 , 257, 127121	8.4	30
171	Adsorptive removal of bisphenol-A by rice husk ash and granular activated carbon: A comparative study. <i>Desalination and Water Treatment</i> , 2016 , 57, 12375-12384		30
170	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. <i>RSC Advances</i> , 2013 , 3, 16426	3.7	30
169	Extractive Desulfurization of Gas Oils: A Perspective Review for Use in Petroleum Refineries. <i>Separation and Purification Reviews</i> , 2017 , 46, 319-347	7.3	29
168	Sonochemical synthesis of cyclophosphazene bridged mesoporous organosilicas and their application in methyl orange, congo red and Cr(VI) removal. <i>RSC Advances</i> , 2015 , 5, 67690-67699	3.7	29
167	Enhancing photocatalytic degradation of quinoline by ZnO:TiO mixed oxide: Optimization of operating parameters and mechanistic study. <i>Journal of Environmental Management</i> , 2020 , 258, 110032	7.9	29
166	Synthesis of different crystallographic Al ₂ O ₃ nanomaterials from solid waste for application in dye degradation. <i>RSC Advances</i> , 2014 , 4, 50801-50810	3.7	29
165	Dimethyl carbonate synthesis by transesterification of propylene carbonate with methanol: Comparative assessment of Ce-M (M=Co, Fe, Cu and Zn) catalysts. <i>Renewable Energy</i> , 2016 , 88, 457-464	8.1	28
164	Electrochemical treatment of alkali decrement wastewater containing terephthalic acid using iron electrodes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 908-913	5.3	28
163	Sequential batch reactor for dairy wastewater treatment: Parametric optimization; kinetics and waste sludge disposal. <i>Journal of Environmental Chemical Engineering</i> , 2013 , 1, 1036-1043	6.8	28
162	Synthesis and characterization of ZnO/CuO nanocomposite by electrochemical method. <i>Materials Science in Semiconductor Processing</i> , 2017 , 57, 173-177	4.3	28
161	Antagonistic Competitive Equilibrium Modeling for the Adsorption of Ternary Metal Ion Mixtures from Aqueous Solution onto Bagasse Fly Ash. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 3129-3137	3.9	28
160	STUDIES ON THE ADSORPTION OF FURFURAL FROM AQUEOUS SOLUTION ONTO LOW-COST BAGASSE FLY ASH. <i>Chemical Engineering Communications</i> , 2007 , 195, 316-335	2.2	28
159	Aminal linked inorganic-organic hybrid nanoporous materials (HNMs) for CO ₂ capture and H ₂ storage applications. <i>RSC Advances</i> , 2016 , 6, 17100-17105	3.7	28
158	Conversion of carbon dioxide along with methanol to dimethyl carbonate over ceria catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2015 , 3, 2943-2947	6.8	27
157	Adsorptive removal of aniline by granular activated carbon from aqueous solutions with catechol and resorcinol. <i>Environmental Technology (United Kingdom)</i> , 2012 , 33, 773-81	2.6	27

- 156 Adsorptive desulfurization by zinc-impregnated activated carbon: characterization, kinetics, isotherms, and thermodynamic modeling. *Clean Technologies and Environmental Policy*, **2016**, 18, 1021-1030 26
- 155 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 8.3 26
- 154 Click-based porous inorganic-organic hybrid material (PHM) containing cyclophosphazene unit and their application in carbon dioxide capture. *RSC Advances*, **2014**, 4, 34860-34863 3.7 26
- 153 Electrochemical Treatment of Dye Bearing Effluent with Different Anode-Cathode Combinations: Mechanistic Study and Sludge Analysis. *Industrial & Engineering Chemistry Research*, **2014**, 53, 10743-10752²⁶ 3.0
- 152 Synthesis of periodic mesoporous coesite. *Journal of the American Chemical Society*, **2009**, 131, 9638-9 16.4 26
- 151 Active ceria-calcium oxide catalysts for dimethyl carbonate synthesis by conversion of CO₂. *Powder Technology*, **2017**, 309, 13-21 5.2 25
- 150 Mechanistic and kinetic insights of synergistic mineralization of ofloxacin using a sono-photo hybrid process. *Chemical Engineering Journal*, **2021**, 403, 125736 14.7 25
- 149 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 2.8 24
- 148 The preparation and efficacy of SrO/CeO₂ catalysts for the production of dimethyl carbonate by transesterification of ethylene carbonate. *Fuel*, **2018**, 220, 706-716 7.1 24
- 147 Studies on Adsorptive Desulfurization by Activated Carbon. *Clean - Soil, Air, Water*, **2012**, 40, 545-550 1.6 24
- 146 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 7.9 24
- 145 *Jatropha curcas* phytotomy and applications: Development as a potential biofuel plant through biotechnological advancements. *Renewable and Sustainable Energy Reviews*, **2016**, 59, 818-838 16.2 23
- 144 Electrocoagulation Studies on Treatment of Biodigester Effluent using Aluminum Electrodes. *Water, Air, and Soil Pollution*, **2009**, 199, 371-379 2.6 23
- 143 Ultrafast sonochemical synthesis of methane and ethane bridged periodic mesoporous organosilicas. *Langmuir*, **2010**, 26, 1147-51 4 23
- 142 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 6 22
- 141 Hierarchical Nanostructured ZnO-CuO Nanocomposite and its Photocatalytic Activity. *Journal of Nano Research*, **2015**, 35, 21-26 1 22
- 140 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, 2040-51 2.3 22
- 139 Electrochemical treatment of actual sugar industry wastewater using aluminum electrode. *International Journal of Environmental Science and Technology*, **2015**, 12, 3519-3530 3.3 20

138	Utilisation of a waste biomass, walnut shells, to produce bio-products via pyrolysis: investigation using ISO-conversional and neural network methods. <i>Biomass Conversion and Biorefinery</i> , 2018 , 8, 647-657 ^{2,3}	20
137	Facile fabrication and photoelectrochemical properties of a one axis-oriented NiO thin film with a (111) dominant facet. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 19867-19872	13 20
136	Mineralization of pyrrole, a recalcitrant heterocyclic compound, by electrochemical method: Multi-response optimization and degradation mechanism. <i>Journal of Environmental Management</i> , 2017 , 198, 144-152	7.9 19
135	Synthesis of dimethyl carbonate by transesterification reaction using ceria-zinc oxide catalysts prepared with different chelating agents. <i>Applied Clay Science</i> , 2017 , 150, 275-281	5.2 19
134	Mechanistic evaluation of heterocyclic aromatic compounds mineralization by a Cu doped ZnO photo-catalyst. <i>Photochemical and Photobiological Sciences</i> , 2019 , 18, 1540-1555	4.2 19
133	Selective liquid phase benzyl alcohol oxidation over Cu-loaded LaFeO ₃ perovskite. <i>RSC Advances</i> , 2016 , 6, 4469-4477	3.7 19
132	Electrochemical oxidation of textile industry wastewater by graphite electrodes. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014 , 49, 955-66	2.3 19
131	Studies of adsorption kinetics and regeneration of aniline, phenol, 4-chlorophenol and 4-nitrophenol by activated carbon. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2013 , 19, 195-212 ^{9,7}	19
130	Synthesis of stishovite nanocrystals from periodic mesoporous silica. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2764-5	16.4 19
129	Synthesis of periodic mesoporous phosphorus/nitrogen frameworks by nanocasting from mesoporous silica using melt-infiltration. <i>Journal of Materials Chemistry</i> , 2009 , 19, 2400	19
128	Direct formation of mesoporous coesite single crystals from periodic mesoporous silica at extreme pressure. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4301-5	16.4 18
127	Chemical treatment of teff straw by sodium hydroxide, phosphoric acid and zinc chloride: adsorptive removal of chromium. <i>International Journal of Environmental Science and Technology</i> , 2016 , 13, 2415-2426	3.3 18
126	Recent progress in dimethyl carbonate synthesis using different feedstock and techniques in the presence of heterogeneous catalysts. <i>Catalysis Reviews - Science and Engineering</i> , 2019 , 1-59	12.6 18
125	Diethyl carbonate synthesis by ethanolysis of urea using Ce-Zn oxide catalysts. <i>Fuel Processing Technology</i> , 2017 , 161, 116-124	7.2 17
124	Cyclophosphazene-Based Hybrid Nanoporous Materials as Superior Metal-Free Adsorbents for Gas Sorption Applications. <i>Langmuir</i> , 2018 , 34, 2926-2932	4 17
123	Electrochemical treatment of acrylic dye-bearing textile wastewater: optimization of operating parameters. <i>Desalination and Water Treatment</i> , 2014 , 52, 111-122	17
122	Removal of refractory sulfur and aromatic compounds from straight run gas oil using solvent extraction. <i>RSC Advances</i> , 2014 , 4, 38830-38838	3.7 17
121	Periodic Mesoporous Organosilica Nanorice. <i>Nanoscale Research Letters</i> , 2008 , 4, 169-172	5 17

120	Synthesis and application of green mixed-metal oxide nano-composite materials from solid waste for dye degradation. <i>Journal of Environmental Management</i> , 2016 , 181, 146-156	7.9	16
119	Nitrogen enriched polytriazine as a metal-free heterogeneous catalyst for the Knoevenagel reaction under mild conditions. <i>New Journal of Chemistry</i> , 2018 , 42, 12924-12928	3.6	16
118	Simple systematic synthesis of size-tunable covalent organophosphonitridic framework nano- and microspheres. <i>New Journal of Chemistry</i> , 2010 , 34, 215	3.6	16
117	Theoretical and experimental studies on hazard analysis of LPG/LNG release: a review. <i>Reviews in Chemical Engineering</i> , 2017 , 33,	5	15
116	Mechanistic Study and Multi-Response Optimization of the Electrochemical Treatment of Petroleum Refinery Wastewater. <i>Clean - Soil, Air, Water</i> , 2018 , 46, 1700624	1.6	15
115	Harnessing electron-rich framework in cyclophosphazene derived hybrid nanoporous materials for organocatalytic C C bond formation and gas sorption applications. <i>Journal of CO2 Utilization</i> , 2018 , 25, 302-309	7.6	15
114	Catalytic Degradation of Pyrrole in Aqueous Solution by Cu/SBA-15. <i>International Journal of Chemical Reactor Engineering</i> , 2015 , 13, 437-445	1.2	14
113	Solvothermally synthesized nanoporous hypercrosslinked polyaniline: studies of the gas sorption and charge storage behavior. <i>RSC Advances</i> , 2016 , 6, 56421-56428	3.7	14
112	Exploring temple floral refuse for biochar production as a closed loop perspective for environmental management. <i>Waste Management</i> , 2018 , 77, 78-86	8.6	14
111	Aerobic degradation of petroleum refinery wastewater in sequential batch reactor. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014 , 49, 1436-44	2.3	14
110	Solvent evaluation for desulfurization and denitrification of gas oil using performance and industrial usability indices. <i>AIChE Journal</i> , 2015 , 61, 2257-2267	3.6	14
109	African americans are less likely to have clearance of hepatitis C virus infection: the findings from recent U.S. population data. <i>Journal of Clinical Gastroenterology</i> , 2012 , 46, e62-5	3	14
108	Nitrogen enriched triazine bridged mesoporous organosilicas for CO2 capture and dye adsorption applications. <i>Journal of Molecular Liquids</i> , 2017 , 248, 127-134	6	13
107	A multifunctional triazine-based nanoporous polymer as a versatile organocatalyst for CO utilization and C-C bond formation. <i>Chemical Communications</i> , 2019 , 55, 11607-11610	5.8	13
106	Nitrogen Amelioration-Driven Carbon Dioxide Capture by Nanoporous Polytriazine. <i>Langmuir</i> , 2019 , 35, 4893-4901	4	13
105	Copper succinate nanoparticles synthesis by electrochemical method: Effect of pH on structural, thermal and textural properties. <i>Materials Letters</i> , 2015 , 150, 130-134	3.3	13
104	Effect of Dopants on ZnO Mediated Photocatalysis of Dye Bearing Wastewater: A Review. <i>Materials Science Forum</i> , 2013 , 757, 165-174	0.4	13
103	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. <i>Energy & Fuels</i> , 2015 , 29, 4634-4643	4.1	12

102	Simultaneous Desulfurization and Denitrogenation of Liquid Fuel by Nickel-Modified Granular Activated Carbon. <i>Energy & Fuels</i> , 2016 , 30, 6161-6168	4.1	12
101	Alkaline Earth (Ca, Mg) and Transition (La, Y) Metals Promotional Effects on ZnAl Catalysts During Diethyl Carbonate Synthesis from Ethyl Carbamate and Ethanol. <i>Catalysis Letters</i> , 2017 , 147, 1891-1902	2.8	12
100	Simulation of a Fluidized-Bed Reactor for Dimethyl Ether Synthesis. <i>Chemical Engineering and Technology</i> , 2010 , 33, 1967-1978	2	12
99	Catalytic peroxidation of recalcitrant quinoline by ceria impregnated granular activated carbon. <i>Clean Technologies and Environmental Policy</i> , 2017 , 19, 1547-1555	4.3	11
98	Nanocasted polytriazine-SBA-16 mesoporous composite for the conversion of CO ₂ to cyclic carbonates. <i>Journal of CO₂ Utilization</i> , 2020 , 40, 101189	7.6	11
97	Competitive adsorption isotherm modelling of heterocyclic nitrogenous compounds, pyridine and quinoline, onto granular activated carbon and bagasse fly ash. <i>Chemical Papers</i> , 2018 , 72, 617-628	1.9	11
96	Studies on biodegradation of resorcinol in sequential batch reactor. <i>International Biodeterioration and Biodegradation</i> , 2010 , 64, 764-768	4.8	11
95	Surface Modification or Doping of WO ₃ for Enhancing the Photocatalytic Degradation of Organic Pollutant Containing Wastewaters: A Review. <i>Materials Science Forum</i> , 2016 , 855, 105-126	0.4	11
94	Superior reduction of nitrate with simultaneous oxidation of intermediates and enhanced nitrogen gas selectivity via novel electrochemical treatment. <i>Chemical Engineering Research and Design</i> , 2021 , 147, 245-258	5.5	11
93	Treatment of fertilizer industry wastewater by catalytic peroxidation process using copper-loaded SBA-15. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015 , 50, 1468-78	2.3	10
92	Removal of 4-nitrophenol from binary aqueous solution with aniline by granular activated carbon using Taguchi design of experimental methodology. <i>Theoretical Foundations of Chemical Engineering</i> , 2013 , 47, 284-290	0.9	10
91	Simultaneous Adsorptive Desulfurization and Denitrogenation by Zinc Loaded Activated Carbon: Optimization of Parameters. <i>Petroleum Science and Technology</i> , 2015 , 33, 1667-1675	1.4	10
90	Multistep Optimization and Residue Disposal Study for Electrochemical Treatment of Textile Wastewater Using Aluminum Electrode. <i>International Journal of Chemical Reactor Engineering</i> , 2013 , 11, 31-46	1.2	10
89	Evaluation of the sono-assisted photolysis method for the mineralization of toxic pollutants. <i>Separation and Purification Technology</i> , 2021 , 258, 117903	8.3	10
88	Efficient Synthesis of Diethyl Carbonate from Propylene Carbonate and Ethanol Using MgAl ₂ O ₄ Catalysts: Characterization, Parametric, and Thermodynamic Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 12726-12735	3.9	10
87	Pyrolysis of almond (<i>Prunus amygdalus</i>) shells: Kinetic analysis, modelling, energy assessment and technical feasibility studies. <i>Bioresource Technology</i> , 2021 , 337, 125466	11	10
86	Oxidative-Extractive Desulfurization of Liquid Fuel by Dimethyl Sulfoxide and ZnCl ₂ Based Ionic Liquid. <i>International Journal of Chemical Reactor Engineering</i> , 2016 , 14, 539-545	1.2	9
85	Comparative studies on adsorptive removal of indole by granular activated carbon and bagasse fly ash. <i>Environmental Progress and Sustainable Energy</i> , 2015 , 34, 492-503	2.5	9

84	Chemically modified biochar derived from effluent treatment plant sludge of a distillery for the removal of an emerging pollutant, tetracycline, from aqueous solution. <i>Biomass Conversion and Biorefinery</i> , 2020 , 1	2.3	9
83	Oxidative-extractive desulfurization of liquid fuel using stannous chloride-acetic acid mixture as catalyst. <i>Petroleum Science and Technology</i> , 2018 , 36, 40-47	1.4	9
82	Synthesis of diethyl carbonate from ethanol through different routes: A thermodynamic and comparative analysis. <i>Canadian Journal of Chemical Engineering</i> , 2018 , 96, 414-420	2.3	9
81	Effect of gas oil composition on performance parameters of the extractive desulfurization process. <i>RSC Advances</i> , 2016 , 6, 25293-25301	3.7	9
80	Multicomponent adsorption isotherm modeling using thermodynamically inconsistent and consistent models. <i>AIChE Journal</i> , 2019 , 65, e16727	3.6	9
79	Removal of toxic hydroquinone: Comparative studies on use of iron impregnated granular activated carbon as an adsorbent and catalyst. <i>Environmental Engineering Research</i> , 2019 , 24, 474-483	3.6	9
78	A nitrogen and phosphorus enriched pyridine bridged inorganic-organic hybrid material for supercapacitor application. <i>New Journal of Chemistry</i> , 2019 , 43, 16670-16675	3.6	9
77	Ultrasound-assisted enhanced electrooxidation for mineralization of persistent organic pollutants: A review of electrodes, reactor configurations and kinetics. <i>Critical Reviews in Environmental Science and Technology</i> , 2021 , 51, 1667-1701	11.1	9
76	Heterogeneous vanadium-catalyzed oxidative cleavage of olefins for sustainable synthesis of carboxylic acids. <i>Chemical Communications</i> , 2021 , 57, 5430-5433	5.8	9
75	Dimethyl carbonate production via transesterification reaction using nitrogen functionalized graphene oxide nanosheets. <i>Renewable Energy</i> , 2021 , 175, 1-13	8.1	9
74	Dimethyl Carbonate Synthesis via Transesterification of Propylene Carbonate Using an Efficient Reduced Graphene Oxide-Supported ZnO Nanocatalyst. <i>Energy & Fuels</i> , 2020 , 34, 7455-7464	4.1	8
73	Simulation of fluidized bed reactor for producing synthesis gas by catalytic CH ₄ /CO ₂ reforming. <i>Journal of CO₂ Utilization</i> , 2014 , 5, 10-16	7.6	8
72	Simultaneous adsorption of nitrogenous heterocyclic compounds by granular activated carbon: parameter optimization and multicomponent isotherm modeling. <i>RSC Advances</i> , 2014 , 4, 39732-39742	3.7	8
71	Simple systematic synthesis of periodic mesoporous organosilica nanoparticles with adjustable aspect ratios. <i>Nanoscale Research Letters</i> , 2009 , 4, 1524-9	5	8
70	Biosilica preparation from abundantly available African biomass Teff (<i>Eragrostis tef</i>) straw ash by sol-gel method and its characterization. <i>Biomass Conversion and Biorefinery</i> , 2018 , 8, 971-978	2.3	8
69	Synthesis and Characterization of Nano-Silica from Teff Straw. <i>Journal of Nano Research</i> , 2017 , 46, 64-72	1	7
68	Ce/Al ₂ O ₃ as an efficient catalyst for oxidative desulfurization of liquid fuel. <i>Petroleum Science and Technology</i> , 2019 , 37, 633-640	1.4	7
67	Understanding of ultrasound enhanced electrochemical oxidation of persistent organic pollutants. <i>Journal of Water Process Engineering</i> , 2020 , 37, 101378	6.7	7

66	Multi-Response Optimization of Parameters for the Electrocoagulation Treatment of Electroplating Wash-Water using Aluminum Electrodes. <i>Separation Science and Technology</i> , 2015 , 50, 181-190	2.5	7
65	Removal of 4-chlorophenol in sequencing batch reactor with and without granular-activated carbon. <i>Desalination and Water Treatment</i> , 2014 , 52, 4404-4412		7
64	Citrate combustion synthesized Al-doped CaCuTiO quadruple perovskite: synthesis, characterization and multifunctional properties. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 3499-3514	3.6	7
63	Synthesis and Characterization of ZnO/MgO Nanocomposite by Co-precipitation Method. <i>Smart Science</i> , 2016 , 4, 190-195	1.5	7
62	Ultrasound-assisted electrochemical treatment of cosmetic industry wastewater: Mechanistic and detoxification analysis. <i>Journal of Hazardous Materials</i> , 2022 , 422, 126842	12.8	7
61	Bioenergy Potential of Salix alba Assessed Through Kinetics and Thermodynamic Analyses. <i>Process Integration and Optimization for Sustainability</i> , 2018 , 2, 259-268	2	6
60	Efficient teff-straw based biocomposites with chitosan and alginate for pyridine removal. <i>International Journal of Environmental Science and Technology</i> , 2019 , 16, 5757-5766	3.3	6
59	Synthesis of Propylene Carbonate from Propane-1,2-diol and Urea Using Hydrotalcite-Derived Catalysts. <i>Energy & Fuels</i> , 2017 , 31, 9890-9897	4.1	6
58	Preparation and characterisation of biosilica from teff (eragrostis tef) straw by thermal method. <i>Materials Letters</i> , 2017 , 206, 13-17	3.3	6
57	Effect of Hydraulic Retention Time and Filling Time on Simultaneous Biodegradation of Phenol, Resorcinol and Catechol in a Sequencing Batch Reactor. <i>Archives of Environmental Protection</i> , 2013 , 39, 69-80		6
56	Discoid Bicelles as Efficient Templates for Pillared Lamellar Periodic Mesoporous Silicas at pH 7 and Ultrafast Reaction Times. <i>Nanoscale Research Letters</i> , 2010 , 6, 61	5	6
55	A Suitable Combination of Electrodes for Simultaneous Reduction of Nitrates and Oxidation of Ammonium Ions in an Explosive Industry Wastewater. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 5482-5493	3.9	6
54	Immobilization of Fe ₂ O ₃ nanoparticles on the cellulose surface: role of cellulose in tuning the microstructure and crystallographic phase. <i>Cellulose</i> , 2019 , 26, 1757-1767	5.5	6
53	Kinetic and Thermodynamic Analysis of Thermal Decomposition of Deodar (Cedrus Deodara) Saw Dust and Rice Husk as Potential Feedstock for Pyrolysis. <i>International Journal of Chemical Reactor Engineering</i> , 2019 , 17,	1.2	6
52	Synthesis of Cu-based catalysts for hydrogenolysis of glycerol to 1,2-propanediol with in-situ generated hydrogen. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105263	6.8	6
51	Modelling of Binary Isotherm Behaviour for the Adsorption of Catechol with Phenol and Resorcinol onto Rice Husk Ash. <i>Indian Chemical Engineer</i> , 2017 , 59, 312-334	1	5
50	Electro-chemical mineralization of recalcitrant indole by platinum-coated titanium electrode: multi-response optimization, mechanistic and sludge disposal study. <i>International Journal of Environmental Science and Technology</i> , 2018 , 15, 349-360	3.3	5
49	On the high-pressure behavior of periodic mesoscale SBA-16 silica/carbon composites: studies at 10 GPa between 25 and 1800 °C. <i>High Pressure Research</i> , 2009 , 29, 754-763	1.6	5

48	Synthesis of zinc/ferrocyanide nano-composite catalysts having a high activity for transesterification reaction. <i>Renewable Energy</i> , 2020 , 148, 946-952	8.1	5
47	Pre-Carbonization: An Efficient Route to Improve the Textural and Gas Sorption Properties of Nitrogen-Enriched Nanoporous Polytriazine. <i>ChemNanoMat</i> , 2020 , 6, 113-117	3.5	5
46	Comparative Studies on Nitrophenol Removal by Adsorption and Simultaneous Adsorption-Biodegradation Processes. <i>International Journal of Chemical Reactor Engineering</i> , 2013 , 11, 595-607	1.2	4
45	Optimization and Kinetics of Furfural Oxidation to Furoic Acid Over Alum-impregnated Activated Alumina. <i>Indian Chemical Engineer</i> , 2013 , 55, 153-164	1	4
44	Breakthrough modeling of furfural sorption behavior in a bagasse fly ash packed bed. <i>Environmental Engineering Research</i> , 2020 , 25, 104-113	3.6	4
43	Quaternary Ammonium Salts-Based Deep Eutectic Solvents: Utilization in Extractive Desulfurization. <i>Energy & Fuels</i> , 2021 , 35, 12734-12745	4.1	4
42	Synthesis of N-benzylated cobalt phthalocyaninetetrasulfonamide and its application in oxidative desulfurization catalysis. <i>Journal of Coordination Chemistry</i> , 2019 , 72, 2982-2996	1.6	4
41	Multicomponent column optimization of ternary adsorption based removal of phenolic compounds using modified activated carbon. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104843	6.8	4
40	Ultrasound-Induced Intensification of Electrochemical Treatment of Bulk Drug Pharmaceutical Wastewater. <i>ACS ES&T Water</i> , 2021 , 1, 1941-1954		4
39	Binary Isotherm Modeling for Simultaneous Desulfurization and Denitrogenation of Model Fuel by Zinc Loaded Activated Carbon. <i>International Journal of Chemical Reactor Engineering</i> , 2017 , 15,	1.2	3
38	Synthesis and Characterization of Copper Nanoparticles by Electrochemical Method: Effect of pH. <i>Journal of Nano Research</i> , 2015 , 31, 81-92	1	3
37	Equilibrium Modeling of Ternary Adsorption of Phenols onto Modified Activated Carbon. <i>Theoretical Foundations of Chemical Engineering</i> , 2018 , 52, 271-285	0.9	3
36	Synthesis and characterization of copper succinate and copper oxide nanoparticles by electrochemical treatment: Optimization by Taguchi robust analysis. <i>Canadian Journal of Chemical Engineering</i> , 2016 , 94, 1322-1327	2.3	3
35	Competitive adsorption of phenol and resorcinol onto rice husk ash. <i>Theoretical Foundations of Chemical Engineering</i> , 2014 , 48, 60-70	0.9	3
34	Oxidative Desulfurization of Dibenzothiophene by Zirconia-Based Catalysts. <i>International Journal of Chemical Reactor Engineering</i> , 2014 , 12, 295-302	1.2	3
33	Parameteric Optimization of Dye Removal by Electrocoagulation Using Taguchi Methodology. <i>International Journal of Chemical Reactor Engineering</i> , 2011 , 9,	1.2	3
32	Kinetic Modeling and Sensitivity Analysis of Kinetic Parameters for L-Glutamic Acid Production Using <i>Corynebacterium glutamicum</i> . <i>International Journal of Chemical Reactor Engineering</i> , 2009 , 7,	1.2	3
31	Incident analysis of various sections of a liquefied petroleum gas (LPG) bottling plant. <i>Indian Chemical Engineer</i> , 2021 , 63, 50-61	1	3

30	Kinetic Modeling of Ethanol Production for Substrate-Microbe System. <i>Biofuel and Biorefinery Technologies</i> , 2018 , 361-372	1	3
29	Manganese Trioxide with Various Morphologies: Applications in Catalytic Dye Degradation. <i>ChemistrySelect</i> , 2020 , 5, 4674-4684	1.8	2
28	Studies on Bi-Cyclic Aromatics Extraction using Furfural and N-Methyl Pyrrolidone (NMP) as Solvent. <i>Separation Science and Technology</i> , 2012 , 47, 1762-1770	2.5	2
27	A solution study of the interaction of the Cu(II) ions with HisGlyGlyTrp tetrapeptide and its evaluation as superoxide dismutase mimetic complex. <i>Protein and Peptide Letters</i> , 2011 , 18, 1280-9	1.9	2
26	Oxygen Mass Transfer in Bioreactors 2011 , 947-956		2
25	Synthesis of Biodiesel from Transesterification of Jatropha Oil with Methanol Using Double Metal Cyanide as Catalyst. <i>Journal of Clean Energy Technologies</i> , 2017 , 5, 23-26	0.2	2
24	Hazardous maize processing industrial sludge: Thermo-kinetic assessment and sulfur recovery by evaporation-condensation technique. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127477	12.8	2
23	Two-stage electrochemical treatment of bio-digested distillery spent wash using stainless steel and aluminum electrodes. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015 , 50, 617-30	2.3	2
22	In-situ-grown hierarchical mesoporous Li ₃ VO ₄ on GO as a viable anode material for lithium ion batteries. <i>Bulletin of Materials Science</i> , 2020 , 43, 1	1.7	2
21	Comparative thermodynamic analysis of CO ₂ based dimethyl carbonate synthesis routes. <i>Canadian Journal of Chemical Engineering</i> , 2021 , 99, 467-478	2.3	2
20	Mineralization of perfluorooctanoic acid by combined aerated electrocoagulation and Modified peroxi-coagulation methods. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 118, 169-178	5.3	2
19	Sorption/desorption of aqueous mercury ions [Hg ²⁺] onto/from sulfur-impregnated attapulgite: Process optimization, co-existing anions and regeneration studies. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 119, 204-212	5.3	2
18	Advance reduction processes for denitrification of wastewater 2020 , 297-314		1
17	La ₂ O ₃ nanorods - reduced graphene oxide composite as a novel catalyst for dimethyl carbonate production via transesterification route. <i>Materials Today Communications</i> , 2021 , 29, 102974	2.5	1
16	Optimizing experimental binary adsorption of aniline/nitrobenzene onto granular activated carbon packed bed by Taguchi methodology. <i>Journal of Water Process Engineering</i> , 2020 , 34, 101045	6.7	1
15	Recent Advances in Fabrication of Photocatalytic Micro-Reactor. <i>Materials Science Forum</i> , 2016 , 855, 156-167	0.4	1
14	Modelling single and binary adsorptive behaviour of aniline and nitrobenzene onto granular activated carbon. <i>Physics and Chemistry of Liquids</i> , 2020 , 58, 150-163	1.5	1
13	Highly efficient Co(II) porphyrin catalysts for the extractive oxidative desulfurization of dibenzothiophene in fuel oils under mild conditions. <i>Journal of Porphyrins and Phthalocyanines</i> , 2021 , 25, 24-30	1.8	1

12	Heteroatom driven activation and conversion of CO ₂ using cyclophosphazene based inorganic/organic hybrid nanoporous materials. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 3213-3218	5.8	1
11	Evaluation of photocatalytic performances of PEG and PVP capped zinc sulfide nanoparticles towards organic environmental pollutant in presence of sunlight.. <i>Chemosphere</i> , 2022 , 298, 134281	8.4	1
10	Extractive desulfurization using ethylene glycol and glycerol-based deep eutectic solvents: engineering aspects and intensification using ultrasound. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022 , 108973	3.7	1
9	Binary electrochemical mineralization of heterocyclic nitrogenous compounds: parametric optimization using Taguchi method and mineralization mechanism. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 7332-7346	5.1	0
8	Catalytic conversion of CO ₂ : Electrochemically to ethanol and thermochemically to cyclic carbonates using nanoporous polytriazine. <i>Journal of CO₂ Utilization</i> , 2021 , 52, 101676	7.6	0
7	Mechanistic kinetic modeling of simultaneous electrochemical nitrate reduction and ammonium ion oxidation in wastewater. <i>Chemical Engineering Science</i> , 2022 , 247, 117025	4.4	0
6	Transformation of textile dyeing industrial sludge into economical biochar for sorption of ofloxacin: equilibrium, kinetic, and cost analysis. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	0
5	Desulphurization of gas oil in a packed bed extractor: Optimization of operating parameters for simultaneous maximization of efficiency and yield by desirability approach. <i>Canadian Journal of Chemical Engineering</i> , 2017 , 95, 142-149	2.3	
4	Copper (II) complexes with Ac-HXH-NHMe (X=Gly, Ala and Aib) peptide motifs: influence of increasing CH ₃ groups at C(alpha) of residue X on the coordination in solution. <i>Protein and Peptide Letters</i> , 2007 , 14, 305-10	1.9	
3	Waste-derived biochar/carbon for various environmental and energy applications 2022 , 339-363		
2	Treatment of biologically treated distillery spent wash employing electrocoagulation and reverse-osmosis treatment train. <i>Environmental Technology (United Kingdom)</i> , 2021 , 1-12	2.6	
1	Activity coefficient of multi-ions and Gibbs free energy calculation during electrochemical nitrate reduction in synthetic and actual wastewater. <i>Journal of Chemical Thermodynamics</i> , 2022 , 164, 106621	2.9	