Vimal Chandra Srivastava

List of Publications by Year in Descending Order

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	Waste-derived biochar/carbon for various environmental and energy applications **2022**, 339-363		
262	Hazardous maize processing industrial sludge: Thermo-kinetic assessment and sulfur recovery by evaporation-condensation technique. *Journal of Hazardous Materials*, **2022**, 424, 127477	12.8	2
261	Mechanistic kinetic modeling of simultaneous electrochemical nitrate reduction and ammonium ion oxidation in wastewater. *Chemical Engineering Science*, **2022**, 247, 117025	4.4	0
260	Ultrasound-assisted electrochemical treatment of cosmetic industry wastewater: Mechanistic and detoxification analysis. *Journal of Hazardous Materials*, **2022**, 422, 126842	12.8	7
259	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	2.9	
258	Evaluation of photocatalytic performances of PEG and PVP capped zinc sulfide nanoparticles towards organic environmental pollutant in presence of sunlight.. *Chemosphere*, **2022**, 298, 134281	8.4	1
257	Extractive desulfurization using ethylene glycol and glycerol-based deep eutectic solvents: engineering aspects and intensification using ultrasound. *Chemical Engineering and Processing: Process Intensification*, **2022**, 108973	3.7	1
256	La2O3 nanorods - reduced graphene oxide composite as a novel catalyst for dimethyl carbonate production via transesterification route. *Materials Today Communications*, **2021**, 29, 102974	2.5	1
255	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	3.9	6
254	Treatment of biologically treated distillery spent wash employing electrocoagulation and reverse-osmosis treatment train. *Environmental Technology (United Kingdom)*, **2021**, 1-12	2.6	
253	Quaternary Ammonium Salts-Based Deep Eutectic Solvents: Utilization in Extractive Desulfurization. *Energy & Fuels*, **2021**, 35, 12734-12745	4.1	4
252	Mechanistic and kinetic insights of synergistic mineralization of ofloxacin using a sono-photo hybrid process. *Chemical Engineering Journal*, **2021**, 403, 125736	14.7	25
251	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	11.1	9
250	Comparative thermodynamic analysis of CO2 based dimethyl carbonate synthesis routes. *Canadian Journal of Chemical Engineering*, **2021**, 99, 467-478	2.3	2
249	Binary electrochemical mineralization of heterocyclic nitrogenous compounds: parametric optimization using Taguchi method and mineralization mechanism. *Environmental Science and Pollution Research*, **2021**, 28, 7332-7346	5.1	0
248	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	5.5	11
247	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

246	Multicomponent column optimization of ternary adsorption based removal of phenolic compounds using modified activated carbon. *Journal of Environmental Chemical Engineering*, **2021**, 9, 104843	6.8	4
245	Evaluation of the sono-assisted photolysis method for the mineralization of toxic pollutants. *Separation and Purification Technology*, **2021**, 258, 117903	8.3	10
244	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	1.8	1
243	Incident analysis of various sections of a liquefied petroleum gas (LPG) bottling plant. *Indian Chemical Engineer*, **2021**, 63, 50-61	1	3
242	Heterogeneous vanadium-catalyzed oxidative cleavage of olefins for sustainable synthesis of carboxylic acids. *Chemical Communications*, **2021**, 57, 5430-5433	5.8	9
241	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	2
240	Heteroatom driven activation and conversion of CO2 using cyclophosphazene based inorganic□rganic hybrid nanoporous materials. *Sustainable Energy and Fuels*, **2021**, 5, 3213-3218	5.8	1
239	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	2
238	Ultrasound-Induced Intensification of Electrochemical Treatment of Bulk Drug Pharmaceutical Wastewater. *ACS ES&T Water*, **2021**, 1, 1941-1954		4
237	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	6.8	6
236	Dimethyl carbonate production via transesterification reaction using nitrogen functionalized graphene oxide nanosheets. *Renewable Energy*, **2021**, 175, 1-13	8.1	9
235	Pyrolysis of almond (Prunus amygdalus) shells: Kinetic analysis, modelling, energy assessment and technical feasibility studies. *Bioresource Technology*, **2021**, 337, 125466	11	10
234	Catalytic conversion of CO2: Electrochemically to ethanol and thermochemically to cyclic carbonates using nanoporous polytriazine. *Journal of CO2 Utilization*, **2021**, 52, 101676	7.6	0
233	Dimethyl Carbonate Synthesis via Transesterification of Propylene Carbonate Using an Efficient Reduced Graphene Oxide-Supported ZnO Nanocatalyst. *Energy & Fuels*, **2020**, 34, 7455-7464	4.1	8
232	Mechanistic insight into ultrasound-induced enhancement of electrochemical oxidation of ofloxacin: Multi-response optimization and cost analysis. *Chemosphere*, **2020**, 257, 127121	8.4	30
231	Nanocasted polytriazine-SBA-16 mesoporous composite for the conversion of CO2 to cyclic carbonates. *Journal of CO2 Utilization*, **2020**, 40, 101189	7.6	11
230	Understanding of ultrasound enhanced electrochemical oxidation of persistent organic pollutants. *Journal of Water Process Engineering*, **2020**, 37, 101378	6.7	7
229	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*, **2020**, 1	2.3	9

228	Enhancing photocatalytic degradation of quinoline by ZnO:TiO mixed oxide: Optimization of operating parameters and mechanistic study. *Journal of Environmental Management*, **2020**, 258, 110032	7.9	29
227	Advance reduction processes for denitrification of wastewater **2020**, 297-314		1
226	Manganese Trioxide with Various Morphologies: Applications in Catalytic Dye Degradation. *ChemistrySelect*, **2020**, 5, 4674-4684	1.8	2
225	Breakthrough modeling of furfural sorption behavior in a bagasse fly ash packed bed. *Environmental Engineering Research*, **2020**, 25, 104-113	3.6	4
224	Synthesis of zinc/ferrocyanide nano-composite catalysts having a high activity for transesterification reaction. *Renewable Energy*, **2020**, 148, 946-952	8.1	5
223	Pre-Carbonization: An Efficient Route to Improve the Textural and Gas Sorption Properties of Nitrogen-Enriched Nanoporous Polytriazine. *ChemNanoMat*, **2020**, 6, 113-117	3.5	5
222	Citrate combustion synthesized Al-doped CaCuTiO quadruple perovskite: synthesis, characterization and multifunctional properties. *Physical Chemistry Chemical Physics*, **2020**, 22, 3499-3511	3.6	7
221	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	9.3	50
220	Growth of hierarchical ZnO nano flower on large functionalized rGO sheet for superior photocatalytic mineralization of antibiotic. *Chemical Engineering Journal*, **2020**, 392, 123746	14.7	48
219	Optimizing experimental binary adsorption of aniline–nitrobenzene onto granular activated carbon packed bed by Taguchi's methodology. *Journal of Water Process Engineering*, **2020**, 34, 101045	6.7	1
218	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
217	Modelling single and binary adsorptive behaviour of aniline and nitrobenzene onto granular activated carbon. *Physics and Chemistry of Liquids*, **2020**, 58, 150-163	1.5	1
216	Electrochemical denitrification of highly contaminated actual nitrate wastewater by Ti/RuO2 anode and iron cathode. *Chemical Engineering Journal*, **2020**, 386, 122065	14.7	48
215	A multifunctional triazine-based nanoporous polymer as a versatile organocatalyst for CO utilization and C-C bond formation. *Chemical Communications*, **2019**, 55, 11607-11610	5.8	13
214	Nitrogen Amelioration-Driven Carbon Dioxide Capture by Nanoporous Polytriazine. *Langmuir*, **2019**, 35, 4893-4901	4	13
213	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
212	Mechanistic evaluation of heterocyclic aromatic compounds mineralization by a Cu doped ZnO photo-catalyst. *Photochemical and Photobiological Sciences*, **2019**, 18, 1540-1555	4.2	19
211	Ce/Al2O3 as an efficient catalyst for oxidative desulfurization of liquid fuel. *Petroleum Science and Technology*, **2019**, 37, 633-640	1.4	7

210	Efficient teff-straw based biocomposites with chitosan and alginate for pyridine removal. *International Journal of Environmental Science and Technology*, **2019**, 16, 5757-5766	3.3	6
209	Adsorption of uranium from aqueous solution as well as seawater conditions by nitrogen-enriched nanoporous polytriazine. *Chemical Engineering Journal*, **2019**, 378, 122236	14.7	39
208	Multicomponent adsorption isotherm modeling using thermodynamically inconsistent and consistent models. *AICHE Journal*, **2019**, 65, e16727	3.6	9
207	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	3.6	9
206	Synthesis of N-benzylated cobalt phthalocyaninetetrasulfonamide and its application in oxidative desulfurization catalysis. *Journal of Coordination Chemistry*, **2019**, 72, 2982-2996	1.6	4
205	A nitrogen and phosphorus enriched pyridine bridged inorganic□rganic hybrid material for supercapacitor application. *New Journal of Chemistry*, **2019**, 43, 16670-16675	3.6	9
204	Recent progress in dimethyl carbonate synthesis using different feedstock and techniques in the presence of heterogeneous catalysts. *Catalysis Reviews - Science and Engineering*, **2019**, 1-59	12.6	18
203	Immobilization of □Fe2O3 nanoparticles on the cellulose surface: role of cellulose in tuning the microstructure and crystallographic phase. *Cellulose*, **2019**, 26, 1757-1767	5.5	6
202	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,	1.2	6
201	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
200	An overview of the synthesis of CuO-ZnO nanocomposite for environmental and other applications. *Nanotechnology Reviews*, **2018**, 7, 267-282	6.3	39
199	Bioenergy Potential of Salix alba Assessed Through Kinetics and Thermodynamic Analyses. *Process Integration and Optimization for Sustainability*, **2018**, 2, 259-268	2	6
198	Cyclophosphazene-Based Hybrid Nanoporous Materials as Superior Metal-Free Adsorbents for Gas Sorption Applications. *Langmuir*, **2018**, 34, 2926-2932	4	17
197	Mechanistic Study and Multi-Response Optimization of the Electrochemical Treatment of Petroleum Refinery Wastewater. *Clean - Soil, Air, Water*, **2018**, 46, 1700624	1.6	15
196	Oxidative-extractive desulfurization of liquid fuel using stannous chloride-acetic acid mixture as catalyst. *Petroleum Science and Technology*, **2018**, 36, 40-47	1.4	9
195	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	7.6	15
194	Equilibrium Modeling of Ternary Adsorption of Phenols onto Modified Activated Carbon. *Theoretical Foundations of Chemical Engineering*, **2018**, 52, 271-285	0.9	3
193	Nitrogen-Enriched Nanoporous Polytriazine for High-Performance Supercapacitor Application. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 5895-5902	8.3	33

192	Synthesis of diethyl carbonate from ethanol through different routes: A thermodynamic and comparative analysis. *Canadian Journal of Chemical Engineering*, **2018**, 96, 414-420	2.3	9
191	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	1.9	11
190	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	3.3	5
189	Nitrogen enriched polytriazine as a metal-free heterogeneous catalyst for the Knoevenagel reaction under mild conditions. *New Journal of Chemistry*, **2018**, 42, 12924-12928	3.6	16
188	Exploring temple floral refuse for biochar production as a closed loop perspective for environmental management. *Waste Management*, **2018**, 77, 78-86	8.6	14
187	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	2.3	20
186	Kinetic Modeling of Ethanol Production for Substrate–Microbe System. *Biofuel and Biorefinery Technologies*, **2018**, 361-372	1	3
185	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	2.3	8
184	Efficient Synthesis of Diethyl Carbonate from Propylene Carbonate and Ethanol Using MgO–La Catalysts: Characterization, Parametric, and Thermodynamic Analysis. *Industrial & Engineering Chemistry Research*, **2018**, 57, 12726-12735	3.9	10
183	Simple Synthesis of Large Graphene Oxide Sheets via Electrochemical Method Coupled with Oxidation Process. *ACS Omega*, **2018**, 3, 10233-10242	3.9	64
182	Synthesis of organic carbonates from alcoholysis of urea: A review. *Catalysis Reviews - Science and Engineering*, **2017**, 59, 1-43	12.6	63
181	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
180	Synthesis and Characterization of Nano-Silica from Teff Straw. *Journal of Nano Research*, **2017**, 46, 64-72	1	7
179	Extractive Desulfurization of Gas Oils: A Perspective Review for Use in Petroleum Refineries. *Separation and Purification Reviews*, **2017**, 46, 319-347	7.3	29
178	Mineralization of pyrrole, a recalcitrant heterocyclic compound, by electrochemical method: Multi-response optimization and degradation mechanism. *Journal of Environmental Management*, **2017**, 198, 144-152	7.9	19
177	Treatment of highly acidic wastewater containing high energetic compounds using dimensionally stable anode. *Chemical Engineering Journal*, **2017**, 325, 289-299	14.7	38
176	Binary Isotherm Modeling for Simultaneous Desulfurization and Denitrogenation of Model Fuel by Zinc Loaded Activated Carbon. *International Journal of Chemical Reactor Engineering*, **2017**, 15,	1.2	3
175	Diethyl carbonate synthesis by ethanolysis of urea using Ce-Zn oxide catalysts. *Fuel Processing Technology*, **2017**, 161, 116-124	7.2	17

174	Theoretical and experimental studies on hazard analysis of LPG/LNG release: a review. *Reviews in Chemical Engineering*, **2017**, 33,	5	15
173	Catalytic peroxidation of recalcitrant quinoline by ceria impregnated granular activated carbon. *Clean Technologies and Environmental Policy*, **2017**, 19, 1547-1555	4.3	11
172	Active ceria-calcium oxide catalysts for dimethyl carbonate synthesis by conversion of CO2. *Powder Technology*, **2017**, 309, 13-21	5.2	25
171	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	19
170	Nitrogen enriched triazine bridged mesoporous organosilicas for CO2 capture and dye adsorption applications. *Journal of Molecular Liquids*, **2017**, 248, 127-134	6	13
169	Synthesis of Propylene Carbonate from Propane-1,2-diol and Urea Using Hydrotalcite-Derived Catalysts. *Energy & Fuels*, **2017**, 31, 9890-9897	4.1	6
168	Preparation and characterisation of biosilica from teff (eragrostis tef) straw by thermal method. *Materials Letters*, **2017**, 206, 13-17	3.3	6
167	Alkaline Earth (Ca, Mg) and Transition (La, Y) Metals Promotional Effects on ZnAl Catalysts During Diethyl Carbonate Synthesis from Ethyl Carbamate and Ethanol. *Catalysis Letters*, **2017**, 147, 1891-1902	2.8	12
166	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	5.3	38
165	Synthesis and characterization of ZnO/CuO nanocomposite by electrochemical method. *Materials Science in Semiconductor Processing*, **2017**, 57, 173-177	4.3	28
164	Efficient ceria-zirconium oxide catalyst for carbon dioxide conversions: Characterization, catalytic activity and thermodynamic study. *Journal of Alloys and Compounds*, **2017**, 696, 718-726	5.7	31
163	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	2.3	
162	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	0.2	2
161	Oxidative-Extractive Desulfurization of Liquid Fuel by Dimethyl Sulfoxide and ZnCl2 Based Ionic Liquid. *International Journal of Chemical Reactor Engineering*, **2016**, 14, 539-545	1.2	9
160	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	8.4	57
159	Dimethyl carbonate synthesis from carbon dioxide using ceria–zirconia catalysts prepared using a templating method: characterization, parametric optimization and chemical equilibrium modeling. *RSC Advances*, **2016**, 6, 110235-110246	3.7	36
158	Unprecedented adsorptive removal of Cr2O72− and methyl orange by using a low surface area organosilica. *Journal of Materials Chemistry A*, **2016**, 4, 17866-17874	13	33
157	Electrochemical mineralization of chlorophenol by ruthenium oxide coated titanium electrode. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 69, 106-117	5.3	38

156	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	2.3	3
155	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	7.9	16
154	Simultaneous Desulfurization and Denitrogenation of Liquid Fuel by Nickel-Modified Granular Activated Carbon. *Energy & Fuels*, **2016**, 30, 6161-6168	4.1	12
153	Comparative study of electrochemical oxidation for dye degradation: Parametric optimization and mechanism identification. *Journal of Environmental Chemical Engineering*, **2016**, 4, 2911-2921	6.8	62
152	Solvothermally synthesized nanoporous hypercrosslinked polyaniline: studies of the gas sorption and charge storage behavior. *RSC Advances*, **2016**, 6, 56421-56428	3.7	14
151	Adsorptive removal of bisphenol-A by rice husk ash and granular activated carbon: A comparative study. *Desalination and Water Treatment*, **2016**, 57, 12375-12384		30
150	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
149	Hazard analysis of failure of natural gas and petroleum gas pipelines. *Journal of Loss Prevention in the Process Industries*, **2016**, 40, 217-226	3.5	37
148	Diethyl carbonate: critical review of synthesis routes, catalysts used and engineering aspects. *RSC Advances*, **2016**, 6, 32624-32645	3.7	66
147	Teff straw characterization and utilization for chromium removal from wastewater: Kinetics, isotherm and thermodynamic modelling. *Journal of Environmental Chemical Engineering*, **2016**, 4, 1117-1125	6.8	34
146	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	3.5	45
145	Continuous electrocoagulation treatment of pulp and paper mill wastewater: operating cost and sludge study. *RSC Advances*, **2016**, 6, 16223-16233	3.7	36
144	Effect of gas oil composition on performance parameters of the extractive desulfurization process. *RSC Advances*, **2016**, 6, 25293-25301	3.7	9
143	Adsorptive desulfurization by zinc-impregnated activated carbon: characterization, kinetics, isotherms, and thermodynamic modeling. *Clean Technologies and Environmental Policy*, **2016**, 18, 1021-1030	4.3	26
142	Selective liquid phase benzyl alcohol oxidation over Cu-loaded LaFeO3 perovskite. *RSC Advances*, **2016**, 6, 4469-4477	3.7	19
141	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	8.1	28
140	Synthesis of cyclophosphazene bridged mesoporous organosilicas for CO 2 capture and Cr (VI) removal. *Microporous and Mesoporous Materials*, **2016**, 219, 93-102	5.3	34
139	Synthesis and Characterization of ZnO-MgO Nanocomposite by Co-precipitation Method. *Smart Science*, **2016**, 4, 190-195	1.5	7

138	Recent Advances in Fabrication of Photocatalytic Micro-Reactor. *Materials Science Forum*, **2016**, 855, 156-167	0.4	1
137	Surface Modification or Doping of WO3 for Enhancing the Photocatalytic Degradation of Organic Pollutant Containing Wastewaters: A Review. *Materials Science Forum*, **2016**, 855, 105-126	0.4	11
136	Aminal linked inorganic□rganic hybrid nanoporous materials (HNMs) for CO2 capture and H2 storage applications. *RSC Advances*, **2016**, 6, 17100-17105	3.7	28
135	Microfluidic-based photocatalytic microreactor for environmental application: a review of fabrication substrates and techniques, and operating parameters. *Photochemical and Photobiological Sciences*, **2016**, 15, 714-30	4.2	59
134	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	3.3	18
133	Nanoporous hypercrosslinked polyaniline: An efficient adsorbent for the adsorptive removal of cationic and anionic dyes. *Journal of Molecular Liquids*, **2016**, 222, 1091-1100	6	57
132	Sonochemical synthesis of cyclophosphazene bridged mesoporous organosilicas and their application in methyl orange, congo red and Cr(VI) removal. *RSC Advances*, **2015**, 5, 67690-67699	3.7	29
131	Synthesis and Characterization of Copper Nanoparticles by Electrochemical Method: Effect of pH. *Journal of Nano Research*, **2015**, 31, 81-92	1	3
130	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	4.1	12
129	Electrochemical treatment of actual sugar industry wastewater using aluminum electrode. *International Journal of Environmental Science and Technology*, **2015**, 12, 3519-3530	3.3	20
128	Synthesis of nanoporous hypercrosslinked polyaniline (HCPANI) for gas sorption and electrochemical supercapacitor applications. *RSC Advances*, **2015**, 5, 45749-45754	3.7	32
127	Dimethyl Carbonate Synthesis from Propylene Carbonate with Methanol Using Cu□n□l Catalyst. *Energy & Fuels*, **2015**, 29, 2664-2675	4.1	58
126	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	5.7	35
125	Copper succinate nanoparticles synthesis by electrochemical method: Effect of pH on structural, thermal and textural properties. *Materials Letters*, **2015**, 150, 130-134	3.3	13
124	ZnO nanowire-immobilized paper matrices for visible light-induced antibacterial activity against Escherichia coli. *Environmental Science: Nano*, **2015**, 2, 273-279	7.1	50
123	Conversion of carbon dioxide along with methanol to dimethyl carbonate over ceria catalyst. *Journal of Environmental Chemical Engineering*, **2015**, 3, 2943-2947	6.8	27
122	Hierarchical Nanostructured ZnO-CuO Nanocomposite and its Photocatalytic Activity. *Journal of Nano Research*, **2015**, 35, 21-26	1	22
121	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

120	Catalytic Degradation of Pyrrole in Aqueous Solution by Cu/SBA-15. *International Journal of Chemical Reactor Engineering*, **2015**, 13, 437-445	1.2	14
119	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, 1468-78	2.3	10
118	Metal oxide nanostructures incorporated/immobilized paper matrices and their applications: a review. *RSC Advances*, **2015**, 5, 83036-83055	3.7	36
117	Comparative studies on adsorptive removal of indole by granular activated carbon and bagasse fly ash. *Environmental Progress and Sustainable Energy*, **2015**, 34, 492-503	2.5	9
116	Electro-oxidation of nitrophenol by ruthenium oxide coated titanium electrode: Parametric, kinetic and mechanistic study. *Chemical Engineering Journal*, **2015**, 263, 135-143	14.7	83
115	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	5.5	49
114	Solvent evaluation for desulfurization and denitrification of gas oil using performance and industrial usability indices. *AICHE Journal*, **2015**, 61, 2257-2267	3.6	14
113	Glycerol Carbonate Synthesis by Hierarchically Structured Catalysts: Catalytic Activity and Characterization. *Industrial & Engineering Chemistry Research*, **2015**, 54, 12543-12552	3.9	51
112	Simultaneous Adsorptive Desulfurization and Denitrogenation by Zinc Loaded Activated Carbon: Optimization of Parameters. *Petroleum Science and Technology*, **2015**, 33, 1667-1675	1.4	10
111	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	7
110	Synthesis and characterization of Ce□a oxides for the formation of dimethyl carbonate by transesterification of propylene carbonate. *Catalysis Communications*, **2015**, 60, 27-31	3.2	46
109	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	2.3	2
108	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	28
107	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
106	Simulation of fluidized bed reactor for producing synthesis gas by catalytic CH4□CO2 reforming. *Journal of CO2 Utilization*, **2014**, 5, 10-16	7.6	8
105	Electrochemical treatment of acrylic dye-bearing textile wastewater: optimization of operating parameters. *Desalination and Water Treatment*, **2014**, 52, 111-122		17
104	Removal of refractory sulfur and aromatic compounds from straight run gas oil using solvent extraction. *RSC Advances*, **2014**, 4, 38830-38838	3.7	17
103	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	13	20

102	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, 955-66	2.3	19
101	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
100	Electrochemical Treatment of Dye Bearing Effluent with Different Anode□Cathode Combinations: Mechanistic Study and Sludge Analysis. *Industrial & Engineering Chemistry Research*, **2014**, 53, 10743-10752	3.9	26
99	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, 1436-44	2.3	14
98	Comparative Study on Thermodynamic Analysis of CO2 Utilization Reactions. *Chemical Engineering and Technology*, **2014**, 37, 1765-1777	2	50
97	Synthesis of different crystallographic Al2O3 nanomaterials from solid waste for application in dye degradation. *RSC Advances*, **2014**, 4, 50801-50810	3.7	29
96	Competitive adsorption of phenol and resorcinol onto rice husk ash. *Theoretical Foundations of Chemical Engineering*, **2014**, 48, 60-70	0.9	3
95	Simultaneous adsorption of nitrogenous heterocyclic compounds by granular activated carbon: parameter optimization and multicomponent isotherm modeling. *RSC Advances*, **2014**, 4, 39732-39742	3.7	8
94	Removal of 4-chlorophenol in sequencing batch reactor with and without granular-activated carbon. *Desalination and Water Treatment*, **2014**, 52, 4404-4412		7
93	Oxidative Desulfurization of Dibenzothiophene by Zirconia-Based Catalysts. *International Journal of Chemical Reactor Engineering*, **2014**, 12, 295-302	1.2	3
92	Catalytic oxidation of nitrobenzene by copper loaded activated carbon. *Separation and Purification Technology*, **2014**, 125, 284-290	8.3	58
91	Adsorbed solution theory based modeling of binary adsorption of nitrobenzene, aniline and phenol onto granulated activated carbon. *Chemical Engineering Journal*, **2013**, 229, 450-459	14.7	56
90	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	3.7	30
89	Mechanism of Dye Degradation during Electrochemical Treatment. *Journal of Physical Chemistry C*, **2013**, 117, 15229-15240	3.8	74
88	Effect of Dopants on ZnO Mediated Photocatalysis of Dye Bearing Wastewater: A Review. *Materials Science Forum*, **2013**, 757, 165-174	0.4	13
87	Removal of 4-nitrophenol from binary aqueous solution with aniline by granular activated carbon using Taguchi□ design of experimental methodology. *Theoretical Foundations of Chemical Engineering*, **2013**, 47, 284-290	0.9	10
86	Parametric and multiple response optimization for the electrochemical treatment of textile printing dye-bath effluent. *Separation and Purification Technology*, **2013**, 109, 135-143	8.3	47
85	Sequential batch reactor for dairy wastewater treatment: Parametric optimization; kinetics and waste sludge disposal. *Journal of Environmental Chemical Engineering*, **2013**, 1, 1036-1043	6.8	28

84	Catalytic Activity of Cu/SBA-15 for Peroxidation of Pyridine Bearing Wastewater at Atmospheric Condition. *AICHE Journal*, **2013**, 59, 2577-2586	3.6	44
83	Catalytic wet peroxidation of pyridine bearing wastewater by cerium supported SBA-15. *Journal of Hazardous Materials*, **2013**, 248-249, 355-63	12.8	55
82	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	3.9	44
81	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	1.2	10
80	Comparative Studies on Nitrophenol Removal byAdsorption and Simultaneous Adsorption-Biodegradation Processes. *International Journal of Chemical Reactor Engineering*, **2013**, 11, 595-607	1.2	4
79	Photocatalytic Oxidation of Dye Bearing Wastewater by Iron Doped Zinc Oxide. *Industrial & Engineering Chemistry Research*, **2013**, 52, 17790-17799	3.9	103
78	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	19
77	Optimization and Kinetics of Furfural Oxidation to Furoic Acid Over Alum-impregnated Activated Alumina. *Indian Chemical Engineer*, **2013**, 55, 153-164	1	4
76	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		6
75	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	2
74	An evaluation of desulfurization technologies for sulfur removal from liquid fuels. *RSC Advances*, **2012**, 2, 759-783	3.7	551
73	Adsorptive removal of aniline by granular activated carbon from aqueous solutions with catechol and resorcinol. *Environmental Technology (United Kingdom)*, **2012**, 33, 773-81	2.6	27
72	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	3.9	61
71	International Journal of Energy and Environmental Engineering. *International Journal of Energy and Environmental Engineering*, **2012**, 3, 32	4	69
70	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
69	Studies on Adsorptive Desulfurization by Activated Carbon. *Clean - Soil, Air, Water*, **2012**, 40, 545-550	1.6	24
68	Quinoline adsorption onto granular activated carbon and bagasse fly ash. *Chemical Engineering Journal*, **2012**, 181-182, 343-351	14.7	72
67	Oxidative desulfurization by chromium promoted sulfated zirconia. *Fuel Processing Technology*, **2012**, 93, 18-25	7.2	49

66	African americans are less likely to have clearance of hepatitis C virus infection: the findings from recent U.S. population data. *Journal of Clinical Gastroenterology*, **2012**, 46, e62-5	3	14
65	Parameteric Optimization of Dye Removal by Electrocoagulation Using Taguchi Methodology. *International Journal of Chemical Reactor Engineering*, **2011**, 9,	1.2	3
64	An overview of various technologies for the treatment of dairy wastewaters. *Critical Reviews in Food Science and Nutrition*, **2011**, 51, 442-52	11.5	145
63	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, 1280-9	1.9	2
62	Studies on adsorptive desulfurization by zirconia based adsorbents. *Fuel*, **2011**, 90, 3209-3216	7.1	62
61	Porous covalent electron-rich organonitridic frameworks as highly selective sorbents for methane and carbon dioxide. *Nature Communications*, **2011**, 2, 401	17.4	229
60	Adsorptive removal of phenol from binary aqueous solution with aniline and 4-nitrophenol by granular activated carbon. *Chemical Engineering Journal*, **2011**, 171, 997-1003	14.7	32
59	Studies on electrochemical treatment of dairy wastewater using aluminum electrode. *AICHE Journal*, **2011**, 57, 2589-2598	3.6	43
58	Studies on adsorption/desorption of nitrobenzene and humic acid onto/from activated carbon. *Chemical Engineering Journal*, **2011**, 168, 35-43	14.7	56
57	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	33
56	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	2.8	52
55	Oxygen Mass Transfer in Bioreactors **2011**, 947-956		2
54	Adsorption of Hydroquinone in Aqueous Solution by Granulated Activated Carbon. *Journal of Environmental Engineering, ASCE*, **2011**, 137, 1145-1157	2	34
53	Phosphate Removal from Aqueous Solution Using Coir-Pith Activated Carbon. *Separation Science and Technology*, **2010**, 45, 1463-1470	2.5	82
52	Treatment of dairy wastewater by inorganic coagulants: Parametric and disposal studies. *Water Research*, **2010**, 44, 5867-74	12.5	64
51	Simple systematic synthesis of size-tunable covalent organophosphonitridic framework nano- and microspheres. *New Journal of Chemistry*, **2010**, 34, 215	3.6	16
50	Ultrafast sonochemical synthesis of methane and ethane bridged periodic mesoporous organosilicas. *Langmuir*, **2010**, 26, 1147-51	4	23
49	Organics removal from dairy wastewater by electrochemical treatment and residue disposal. *Separation and Purification Technology*, **2010**, 76, 198-205	8.3	124

48	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	6
47	Simulation of a Fluidized-Bed Reactor for Dimethyl Ether Synthesis. *Chemical Engineering and Technology*, **2010**, 33, 1967-1978	2	12
46	Direct formation of mesoporous coesite single crystals from periodic mesoporous silica at extreme pressure. *Angewandte Chemie - International Edition*, **2010**, 49, 4301-5	16.4	18
45	Studies on biodegradation of resorcinol in sequential batch reactor. *International Biodeterioration and Biodegradation*, **2010**, 64, 764-768	4.8	11
44	Treatment of dairy wastewater by commercial activated carbon and bagasse fly ash: Parametric, kinetic and equilibrium modelling, disposal studies. *Bioresource Technology*, **2010**, 101, 3474-83	11	86
43	Techniques for oxygen transfer measurement in bioreactors: a review. *Journal of Chemical Technology and Biotechnology*, **2009**, 84, 1091-1103	3.5	74
42	Electrocoagulation Studies on Treatment of Biodigester Effluent using Aluminum Electrodes. *Water, Air, and Soil Pollution*, **2009**, 199, 371-379	2.6	23
41	Simple systematic synthesis of periodic mesoporous organosilica nanoparticles with adjustable aspect ratios. *Nanoscale Research Letters*, **2009**, 4, 1524-9	5	8
40	Rice husk ash as an effective adsorbent: evaluation of adsorptive characteristics for Indigo Carmine dye. *Journal of Environmental Management*, **2009**, 90, 710-20	7.9	287
39	Treatment of bio-digester effluent by electrocoagulation using iron electrodes. *Journal of Hazardous Materials*, **2009**, 165, 345-52	12.8	80
38	Adsorptive desulfurization by activated alumina. *Journal of Hazardous Materials*, **2009**, 170, 1133-40	12.8	204
37	Electrochemical treatment of a distillery wastewater: Parametric and residue disposal study. *Chemical Engineering Journal*, **2009**, 148, 496-505	14.7	85
36	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	3.7	163
35	Fixed-bed study for adsorptive removal of furfural by activated carbon. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2009**, 332, 50-56	5.1	73
34	Optimization of an azo dye batch adsorption parameters using BoxBehnken design. *Desalination*, **2009**, 249, 1273-1279	10.3	144
33	Synthesis of periodic mesoporous coesite. *Journal of the American Chemical Society*, **2009**, 131, 9638-9	16.4	26
32	Critical analysis of engineering aspects of shaken flask bioreactors. *Critical Reviews in Biotechnology* , **2009**, 29, 255-78	9.4	32
31	Synthesis of stishovite nanocrystals from periodic mesoporous silica. *Journal of the American Chemical Society*, **2009**, 131, 2764-5	16.4	19

30	Equilibrium Modeling of Ternary Adsorption of Metal Ions onto Rice Husk Ash. *Journal of Chemical & Engineering Data*, **2009**, 54, 705-711	2.8	37
29	Kinetic Modeling and Sensitivity Analysis of Kinetic Parameters for L-Glutamic Acid Production Using Corynebacterium glutamicum. *International Journal of Chemical Reactor Engineering*, **2009**, 7,	1.2	3
28	Synthesis of periodic mesoporous phosphorus–nitrogen frameworks by nanocasting from mesoporous silica using melt-infiltration. *Journal of Materials Chemistry*, **2009**, 19, 2400		19
27	On the high-pressure behavior of periodic mesoscale SBA-16 silica/carbon composites: studies at 10 GPa between 25 and 1800 °C. *High Pressure Research*, **2009**, 29, 754-763	1.6	5
26	Periodic Mesoporous Organosilica Nanorice. *Nanoscale Research Letters*, **2008**, 4, 169-172	5	17
25	Adsorption of Furfural from Aqueous Solution onto Activated Carbon: Kinetic, Equilibrium and Thermodynamic Study. *Separation Science and Technology*, **2008**, 43, 1239-1259	2.5	68
24	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, 554-62	2.3	54
23	Prediction of Breakthrough Curves for Sorptive Removal of Phenol by Bagasse Fly Ash Packed Bed. *Industrial & Engineering Chemistry Research*, **2008**, 47, 1603-1613	3.9	89
22	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	3.9	28
21	Investigation of the Electrocoagulation Treatment of Cotton Blue Dye Solution using Aluminium Electrodes. *Clean - Soil, Air, Water*, **2008**, 36, 863-869	1.6	47
20	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	14.7	48
19	Adsorption of toxic metal ions onto activated carbon. *Chemical Engineering and Processing: Process Intensification*, **2008**, 47, 1269-1280	3.7	129
18	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	5.1	175
17	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	3.9	60
16	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	4.6	223
15	Adsorptive removal of Auramine-O: kinetic and equilibrium study. *Journal of Hazardous Materials*, **2007**, 143, 386-95	12.8	100
14	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	7.9	339
13	STUDIES ON THE ADSORPTION OF FURFURAL FROM AQUEOUS SOLUTION ONTO LOW-COST BAGASSE FLY ASH. *Chemical Engineering Communications*, **2007**, 195, 316-335	2.2	28

12	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. *Protein and Peptide Letters*, **2007**, 14, 305-10	1.9	
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	14.7	232
10	Equilibrium modelling of single and binary adsorption of cadmium and nickel onto bagasse fly ash. *Chemical Engineering Journal*, **2006**, 117, 79-91	14.7	299
9	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	77
8	Removal of Orange-G and Methyl Violet dyes by adsorption onto bagasse fly ash-kinetic study and equilibrium isotherm analyses. *Dyes and Pigments*, **2006**, 69, 210-223	4.6	604
7	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	5.1	608
6	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	5.1	282
5	Characterization of mesoporous rice husk ash (RHA) and adsorption kinetics of metal ions from aqueous solution onto RHA. *Journal of Hazardous Materials*, **2006**, 134, 257-67	12.8	393
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	8.4	521
3	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	5.1	96
2	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	5.1	405
1	Transformation of textile dyeing industrial sludge into economical biochar for sorption of ofloxacin: equilibrium, kinetic, and cost analysis. *Biomass Conversion and Biorefinery*,1	2.3	0