

Dinesh Mohan

List of Publications by Year in Descending Order

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

192 papers	29,343 citations	67 h-index	171 g-index
195 ext. papers	32,868 ext. citations	7.1 avg, IF	7.59 L-index

#	Paper	IF	Citations
192	Can Biodegradability of adsorbents constitute an Achilles heel in real-world water purification? Perspectives and opportunities. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107321	6.8	
191	Arsenic removal from household drinking water by biochar and biochar composites: A focus on scale-up 2022 , 277-320		
190	Sorptive removal of pharmaceuticals using sustainable biochars 2022 , 395-427		1
189	Biochar and biochar composites for poly- and perfluoroalkyl substances (PFAS) sorption 2022 , 555-595		0
188	Biochar adsorption system designs 2022 , 153-203		1
187	Biochar and biochar composites for oil sorption 2022 , 527-554		1
186	Nanobiochar for aqueous contaminant removal 2022 , 667-704		0
185	Sources, spatio-temporal distribution and depth variations in groundwater salinity of semi-arid Rohtak district, Haryana, India. <i>Groundwater for Sustainable Development</i> , 2022 , 100790	6	0
184	Agricultural Residue-Derived Sustainable Nano-adsorbents for Wastewater Treatment 2022 , 235-259		
183	Shape Memory Adsorbents for Water Remediation: Recent Progress, Associated Hydrodynamics, and Research Needs. <i>Water, Air, and Soil Pollution</i> , 2021 , 232, 1	2.6	1
182	Water decontamination using bio-based, chemically functionalized, doped, and ionic liquid-enhanced adsorbents: review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 3075-3114	13.3	13
181	Future of road safety and SDG 3.6 goals in six Indian cities. <i>IATSS Research</i> , 2021 , 45, 12-18	4.2	4
180	Coronavirus (SARS-CoV-2) in the environment: Occurrence, persistence, analysis in aquatic systems and possible management. <i>Science of the Total Environment</i> , 2021 , 765, 142698	10.2	33
179	Household arsenic contaminated water treatment employing iron oxide/bamboo biochar composite: An approach to technology transfer. <i>Journal of Colloid and Interface Science</i> , 2021 , 587, 767-779	7.3	13
178	Nanobiochar: A sustainable solution for agricultural and environmental applications 2021 , 501-519		1
177	Engineered biochar: A sustainable solution for the removal of antibiotics from water. <i>Chemical Engineering Journal</i> , 2021 , 405, 126926	14.7	75
176	Adsorbents for real-scale water remediation: Gaps and the road forward. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105380	6.8	12

175	Intrusion of heavy metals/metalloids into rice (<i>Oryza sativa</i> L.) in relation to their status in two different agricultural management systems in Sri Lanka. <i>Groundwater for Sustainable Development</i> , 2021 , 14, 100619	6	3
174	Seven potential sources of arsenic pollution in Latin America and their environmental and health impacts. <i>Science of the Total Environment</i> , 2021 , 780, 146274	10.2	17
173	High capacity aqueous phosphate reclamation using Fe/Mg-layered double hydroxide (LDH) dispersed on biochar. <i>Journal of Colloid and Interface Science</i> , 2021 , 597, 182-195	9.3	16
172	Ciprofloxacin and acetaminophen sorption onto banana peel biochars: Environmental and process parameter influences. <i>Environmental Research</i> , 2021 , 201, 111218	7.9	23
171	Investigating the association between population density and travel patterns in Indian cities-An analysis of 2011 census data. <i>Cities</i> , 2020 , 100, 102656	5.6	9
170	Batch and Continuous Fixed-Bed Lead Removal Using Himalayan Pine Needle Biochar: Isotherm and Kinetic Studies. <i>ACS Omega</i> , 2020 , 5, 16366-16378	3.9	17
169	Sustainable Low-Concentration Arsenite [As(III)] Removal in Single and Multicomponent Systems Using Hybrid Iron Oxide-Biochar Nanocomposite Adsorbents-A Mechanistic Study. <i>ACS Omega</i> , 2020 , 5, 2575-2593	3.9	27
168	Safety of motorized two-wheeler riders in the formal and informal transport sector. <i>International Journal of Injury Control and Safety Promotion</i> , 2020 , 27, 51-60	1.8	4
167	How much would low- and middle-income countries benefit from addressing the key risk factors of road traffic injuries?. <i>International Journal of Injury Control and Safety Promotion</i> , 2020 , 27, 83-90	1.8	12
166	Application of co-composted biochar significantly improved plant-growth relevant physical/chemical properties of a metal contaminated soil. <i>Chemosphere</i> , 2020 , 242, 125255	8.4	27
165	Preventing motor vehicle crash injuries and deaths: science vs. folklore lessons from history. <i>International Journal of Injury Control and Safety Promotion</i> , 2020 , 27, 3-11	1.8	2
164	Dealing with existing theory: national fatality rates, vehicle standards and personal safety. <i>International Journal of Injury Control and Safety Promotion</i> , 2020 , 27, 12-19	1.8	1
163	Heterogeneous persulfate activation by nano-sized Mn ₃ O ₄ to degrade furfural from wastewater. <i>Journal of Molecular Liquids</i> , 2020 , 298, 112088	6	26
162	What can we learn from the historic road safety performance of high-income countries?. <i>International Journal of Injury Control and Safety Promotion</i> , 2020 , 27, 27-34	1.8	1
161	Biochar Adsorbents with Enhanced Hydrophobicity for Oil Spill Removal. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9248-9260	9.5	40
160	Recent Developments in Aqueous Arsenic(III) Remediation Using Biomass-Based Adsorbents. <i>ACS Symposium Series</i> , 2020 , 197-251	0.4	2
159	The mechanisms of biochar interactions with microorganisms in soil. <i>Environmental Geochemistry and Health</i> , 2020 , 42, 2495-2518	4.7	52
158	Waste sludge derived adsorbents for arsenate removal from water. <i>Chemosphere</i> , 2020 , 239, 124832	8.4	24

157	Removal of Arsenic(III) from water using magnetite precipitated onto Douglas fir biochar. <i>Journal of Environmental Management</i> , 2019 , 250, 109429	7.9	81
156	Aqueous carbofuran removal using slow pyrolyzed sugarcane bagasse biochar: equilibrium and fixed-bed studies.. <i>RSC Advances</i> , 2019 , 9, 26338-26350	3.7	22
155	Fe ₃ O ₄ Nanoparticles Dispersed on Douglas Fir Biochar for Phosphate Sorption. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3467-3479	5.6	66
154	Traffic safety: Rights and obligations. <i>Accident Analysis and Prevention</i> , 2019 , 128, 159-163	6.1	8
153	Pharmaceuticals of Emerging Concern in Aquatic Systems: Chemistry, Occurrence, Effects, and Removal Methods. <i>Chemical Reviews</i> , 2019 , 119, 3510-3673	68.1	679
152	Fast aniline and nitrobenzene remediation from water on magnetized and nonmagnetized Douglas fir biochar.. <i>Chemosphere</i> , 2019 , 225, 943-953	8.4	31
151	Biochar versus bone char for a sustainable inorganic arsenic mitigation in water: What needs to be done in future research?. <i>Environment International</i> , 2019 , 127, 52-69	12.9	58
150	Water as key to the sustainable development goals of South Sudan: A water quality assessment of Eastern Equatoria State. <i>Groundwater for Sustainable Development</i> , 2019 , 8, 255-270	6	7
149	Simplified Batch and Fixed-Bed Design System for Efficient and Sustainable Fluoride Removal from Water Using Slow Pyrolyzed Okra Stem and Black Gram Straw Biochars. <i>ACS Omega</i> , 2019 , 4, 19513-19525	3.9	19
148	Emerging technologies for arsenic removal from drinking water in rural and peri-urban areas: Methods, experience from, and options for Latin America. <i>Science of the Total Environment</i> , 2019 , 694, 133427	10.2	68
147	The care and transport of trauma victims by layperson emergency medical systems: a qualitative study in Delhi, India. <i>BMJ Global Health</i> , 2019 , 4, e001963	6.6	22
146	Carbamazepine removal from water by carbon dot-modified magnetic carbon nanotubes. <i>Environmental Research</i> , 2019 , 169, 434-444	7.9	73
145	Environmental pollution of soil with PAHs in energy producing plants zone. <i>Science of the Total Environment</i> , 2019 , 655, 232-241	10.2	29
144	Identification of Fe and Zr oxide phases in an iron-zirconium binary oxide and arsenate complexes adsorbed onto their surfaces. <i>Journal of Hazardous Materials</i> , 2018 , 353, 340-347	12.8	18
143	Biochar production and applications in soil fertility and carbon sequestration: A sustainable solution to crop-residue burning in India. <i>RSC Advances</i> , 2018 , 8, 508-520	3.7	88
142	Lead and cadmium remediation using magnetized and nonmagnetized biochar from Douglas fir. <i>Chemical Engineering Journal</i> , 2018 , 331, 480-491	14.7	125
141	Lead (Pb) sorptive removal using chitosan-modified biochar: batch and fixed-bed studies.. <i>RSC Advances</i> , 2018 , 8, 25368-25377	3.7	44
140	Fast nitrate and fluoride adsorption and magnetic separation from water on Fe ₃ O ₄ and FeO dispersed on Douglas fir biochar. <i>Bioresource Technology</i> , 2018 , 263, 258-265	11	135

139	Cadmium and lead remediation using magnetic and non-magnetic sustainable biosorbents derived from Bauhinia purpurea pods. <i>RSC Advances</i> , 2017 , 7, 8606-8624	3.7	34
138	Phenoxy herbicide removal from aqueous solutions using fast pyrolysis switchgrass biochar. <i>Chemosphere</i> , 2017 , 174, 49-57	8.4	61
137	Official government statistics of road traffic deaths in India under-represent pedestrians and motorised two wheeler riders. <i>Injury Prevention</i> , 2017 , 23, 1-7	3.2	36
136	Analysis of Pedestrian Movement on Delhi Roads by Using Naturalistic Observation Techniques. <i>Transportation Research Record</i> , 2017 , 2634, 95-100	1.7	6
135	Lead (Pb) and copper (Cu) remediation from water using superparamagnetic maghemite (Fe ₃ O ₄) nanoparticles synthesized by Flame Spray Pyrolysis (FSP). <i>Journal of Colloid and Interface Science</i> , 2017 , 492, 176-190	9.3	98
134	Synthesis of L-cysteine stabilized zero-valent iron (nZVI) nanoparticles for lead remediation from water. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2017 , 7, 34-45	3.3	21
133	Adsorption of metribuzin from aqueous solution using magnetic and nonmagnetic sustainable low-cost biochar adsorbents. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 4577-4590	5.1	58
132	Evaluation of OddEven Day Traffic Restriction Experiments in Delhi, India. <i>Transportation Research Record</i> , 2017 , 2627, 9-16	1.7	26
131	Lead and Chromium Adsorption from Water using L-Cysteine Functionalized Magnetite (FeO) Nanoparticles. <i>Scientific Reports</i> , 2017 , 7, 7672	4.9	109
130	The stability and removal of water-dispersed CdSe/CdS core-shell quantum dots from water. <i>Chemosphere</i> , 2017 , 185, 926-933	8.4	8
129	Biochar based removal of antibiotic sulfonamides and tetracyclines in aquatic environments: A critical review. <i>Bioresource Technology</i> , 2017 , 246, 150-159	11	291
128	Mental illness and injuries: emerging health challenges of urbanisation in South Asia. <i>BMJ, The</i> , 2017 , 357, j1126	5.9	11
127	Urban street structure and traffic safety. <i>Journal of Safety Research</i> , 2017 , 62, 63-71	4	14
126	Modelling vehicular interactions for heterogeneous traffic flow using cellular automata with position preference. <i>Journal of Modern Transportation</i> , 2017 , 25, 163-177	3.7	12
125	Insights into aqueous carbofuran removal by modified and non-modified rice husk biochars. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 22755-22763	5.1	25
124	Nanoscale zero-valent iron for aqueous lead removal. <i>Advanced Materials Proceedings</i> , 2017 , 2, 235-241	1	11
123	Assessment of motor vehicle use characteristics in three Indian cities. <i>Transportation Research, Part D: Transport and Environment</i> , 2016 , 44, 254-265	6.4	31
122	Sustainable development of coconut shell activated carbon (CSAC) & a magnetic coconut shell activated carbon (MCSAC) for phenol (2-nitrophenol) removal. <i>RSC Advances</i> , 2016 , 6, 85390-85410	3.7	29

121	A property-performance correlation and mass transfer study of As(V) adsorption on three mesoporous aluminas. <i>RSC Advances</i> , 2016 , 6, 80630-80639	3.7	6
120	Performance and mass transfer of aqueous fluoride removal by a magnetic alumina aerogel. <i>RSC Advances</i> , 2016 , 6, 112988-112999	3.7	23
119	A review of fluoride in african groundwater and local remediation methods. <i>Groundwater for Sustainable Development</i> , 2016 , 2-3, 190-212	6	83
118	Lead (Pb ²⁺) adsorption by monodispersed magnetite nanoparticles: Surface analysis and effects of solution chemistry. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 4237-4247	6.8	62
117	Interface interactions between insecticide carbofuran and tea waste biochars produced at different pyrolysis temperatures. <i>Chemical Speciation and Bioavailability</i> , 2016 , 28, 110-118		29
116	662 Motorcycle helmet and car seat belt use patterns in Delhi, India: implications for traffic safety interventions. <i>Injury Prevention</i> , 2016 , 22, A237.3-A238	3.2	2
115	Sustainable Biochar - A Tool for Climate Change Mitigation, Soil Management and Water and Wastewater Treatment 2016 , 949-952		
114	Removal of antimonate and antimonite from water by schwertmannite granules. <i>Desalination and Water Treatment</i> , 2016 , 57, 25639-25652		8
113	Magnetic magnetite (Fe ₃ O ₄) nanoparticle synthesis and applications for lead (Pb ²⁺) and chromium (Cr ⁶⁺) removal from water. <i>Journal of Colloid and Interface Science</i> , 2016 , 468, 334-346	9.3	422
112	Kinetics, thermodynamics and mechanistic studies of carbofuran removal using biochars from tea waste and rice husks. <i>Chemosphere</i> , 2016 , 150, 781-789	8.4	127
111	Effects of Surface Iron Hydroxyl Group Site Densities on Arsenate Adsorption by Iron Oxide Nanocomposites. <i>Nanoscience and Nanotechnology Letters</i> , 2016 , 8, 1020-1027	0.8	10
110	Understanding the Road Safety Performance of OECD Countries 2016 , 1-15		2
109	Room-temperature and temperature-dependent QSRR modelling for predicting the nitrate radical reaction rate constants of organic chemicals using ensemble learning methods. <i>SAR and QSAR in Environmental Research</i> , 2016 , 27, 539-58	3.5	10
108	858 Automobile manufacturers, advertising and traffic safety: case study from India. <i>Injury Prevention</i> , 2016 , 22, A306.1-A306	3.2	
107	Urban traffic safety assessment: A case study of six Indian cities. <i>IATSS Research</i> , 2016 , 39, 95-101	4.2	47
106	Inter-moieties reactivity correlations: an approach to estimate the reactivity endpoints of major atmospheric reactants towards organic chemicals. <i>RSC Advances</i> , 2016 , 6, 50297-50305	3.7	7
105	Modeling the reactivities of hydroxyl radical and ozone towards atmospheric organic chemicals using quantitative structure-reactivity relationship approaches. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 14034-46	5.1	18
104	Land use, transport, and population health: estimating the health benefits of compact cities. <i>Lancet, The</i> , 2016 , 388, 2925-2935	40	264

103	Why do three-wheelers carrying schoolchildren suffer very low fatal crashes?. <i>IATSS Research</i> , 2015 , 38, 130-134	4.2	2
102	Antimonate removal from water using hierarchical macro-/mesoporous amorphous alumina. <i>Chemical Engineering Journal</i> , 2015 , 264, 617-624	14.7	26
101	Sorptive removal of salicylic acid and ibuprofen from aqueous solutions using pine wood fast pyrolysis biochar. <i>Chemical Engineering Journal</i> , 2015 , 265, 219-227	14.7	214
100	Heavy metals [chromium (VI) and lead (II)] removal from water using mesoporous magnetite (Fe ₃ O ₄) nanospheres. <i>Journal of Colloid and Interface Science</i> , 2015 , 442, 120-32	9.3	247
99	Particulate and gaseous emissions in two coastal cities Chennai and Vishakhapatnam, India. <i>Air Quality, Atmosphere and Health</i> , 2015 , 8, 559-572	5.6	21
98	Preparation of Activated and Non-Activated Carbon from Conocarpus Pruning Waste as Low-Cost Adsorbent for Removal of Heavy Metal Ions from Aqueous Solution. <i>BioResources</i> , 2015 , 11,	1.3	3
97	Benchmarking vehicle and passenger travel characteristics in Delhi for on-road emissions analysis. <i>Travel Behaviour & Society</i> , 2015 , 2, 88-101	5.3	48
96	Safety of young children on motorized two-wheelers around the world: A review of the global epidemiological evidence. <i>IATSS Research</i> , 2015 , 38, 83-91	4.2	9
95	Lead sorptive removal using magnetic and nonmagnetic fast pyrolysis energy cane biochars. <i>Journal of Colloid and Interface Science</i> , 2015 , 448, 238-50	9.3	111
94	Synthesis of graphene oxide/schwertmannite nanocomposites and their application in Sb(V) adsorption from water. <i>Chemical Engineering Journal</i> , 2015 , 270, 205-214	14.7	70
93	A Review of Cellular Automata Model for Heterogeneous Traffic Conditions 2015 , 471-478		7
92	Organic and inorganic contaminants removal from water with biochar, a renewable, low cost and sustainable adsorbent--a critical review. <i>Bioresource Technology</i> , 2014 , 160, 191-202	11	1406
91	Re-fueling road transport for better air quality in India. <i>Energy Policy</i> , 2014 , 68, 556-561	7.2	54
90	Fluoride removal from ground water using magnetic and nonmagnetic corn stover biochars. <i>Ecological Engineering</i> , 2014 , 73, 798-808	3.9	88
89	Multispecies QSAR modeling for predicting the aquatic toxicity of diverse organic chemicals for regulatory toxicology. <i>Chemical Research in Toxicology</i> , 2014 , 27, 741-53	4	48
88	QSTR modeling for qualitative and quantitative toxicity predictions of diverse chemical pesticides in honey bee for regulatory purposes. <i>Chemical Research in Toxicology</i> , 2014 , 27, 1504-15	4	26
87	Antimonate and antimonite adsorption by a polyvinyl alcohol-stabilized granular adsorbent containing nanoscale zero-valent iron. <i>Chemical Engineering Journal</i> , 2014 , 247, 250-257	14.7	93
86	Pyrolysis condition affected sulfamethazine sorption by tea waste biochars. <i>Bioresource Technology</i> , 2014 , 166, 303-8	11	225

85	Major ion chemistry of the ground water at the Khoda Village, Ghaziabad, India. <i>Sustainability of Water Quality and Ecology</i> , 2014 , 3-4, 133-150		20
84	Cadmium and lead remediation using magnetic oak wood and oak bark fast pyrolysis bio-chars. <i>Chemical Engineering Journal</i> , 2014 , 236, 513-528	14.7	348
83	Evaluating influences of seasonal variations and anthropogenic activities on alluvial groundwater hydrochemistry using ensemble learning approaches. <i>Journal of Hydrology</i> , 2014 , 511, 254-266	6	66
82	Biochar as a sorbent for contaminant management in soil and water: a review. <i>Chemosphere</i> , 2014 , 99, 19-33	8.4	2439
81	Arsenate adsorption on three types of granular schwertmannite. <i>Water Research</i> , 2013 , 47, 2938-48	12.5	103
80	Modeling adsorption kinetics of trichloroethylene onto biochars derived from soybean stover and peanut shell wastes. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 8364-73	5.1	79
79	Characterization of Bio-oils Produced from Fast Pyrolysis of Corn Stalks in an Auger Reactor. <i>Energy & Fuels</i> , 2012 , 26, 3816-3825	4.1	80
78	Effects of pyrolysis temperature on soybean stover- and peanut shell-derived biochar properties and TCE adsorption in water. <i>Bioresource Technology</i> , 2012 , 118, 536-44	11	752
77	Remediating fluoride from water using hydrous zirconium oxide. <i>Chemical Engineering Journal</i> , 2012 , 198-199, 236-245	14.7	214
76	Emergence of Base Catalysts for Synthesis of Biodiesel 2012 , 251-289		
75	Fluoride Removal from Water using Bio-Char, a Green Waste, Low-Cost Adsorbent: Equilibrium Uptake and Sorption Dynamics Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 900-914	3.9	172
74	Groundwater quality assessment in the village of Lutfullapur Nawada, Loni, District Ghaziabad, Uttar Pradesh, India. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 4473-88	3.1	55
73	Synthesis and Kinetic Study of Thermal Cycloimidization of Novel Poly(Amide Amic Acid) to Poly(Amide Imide) by Thermogravimetric Analysis. <i>Journal of Macromolecular Science - Physics</i> , 2011 , 50, 1388-1401	1.4	9
72	Development of magnetic activated carbon from almond shells for trinitrophenol removal from water. <i>Chemical Engineering Journal</i> , 2011 , 172, 1111-1125	14.7	224
71	Modeling and evaluation of chromium remediation from water using low cost bio-char, a green adsorbent. <i>Journal of Hazardous Materials</i> , 2011 , 188, 319-33	12.8	377
70	Reply to the comments on HAZMAT 142 (2007) 1-53 'Arsenic removal from water/wastewater using adsorbents--a critical review' by D. Mohan and C.U. Pittman Jr. made by Zhenze Li et al. [HAZMAT 175 (2010) 1116-1117]. <i>Journal of Hazardous Materials</i> , 2011 , 185, 1614-7	12.8	7
69	Childhood injuries in rural north India. <i>International Journal of Injury Control and Safety Promotion</i> , 2010 , 17, 45-52	1.8	15
68	Sustainable transport and the modernisation of urban transport in Delhi and Stockholm. <i>Cities</i> , 2010 , 27, 421-429	5.6	30

67	Accumulation and distribution of toxic metals in wheat (<i>Triticum aestivum</i> L.) and Indian mustard (<i>Brassica campestris</i> L.) irrigated with distillery and tannery effluents. <i>Journal of Hazardous Materials</i> , 2009 , 162, 1514-21	12.8	178
66	Public health benefits of strategies to reduce greenhouse-gas emissions: urban land transport. <i>Lancet, The</i> , 2009 , 374, 1930-43	4.0	708
65	Road traffic injuries: a stocktaking. <i>Best Practice and Research in Clinical Rheumatology</i> , 2008 , 22, 725-39	5.3	14
64	Pyrolysis of Wood and Bark in an Auger Reactor: Physical Properties and Chemical Analysis of the Produced Bio-oils. <i>Energy & Fuels</i> , 2008 , 22, 614-625	4.1	339
63	Fungicidal values of bio-oils and their lignin-rich fractions obtained from wood/bark fast pyrolysis. <i>Chemosphere</i> , 2008 , 71, 456-65	8.4	47
62	Effect of distillery sludge on seed germination and growth parameters of green gram (<i>Phaseolus mungo</i> L.). <i>Journal of Hazardous Materials</i> , 2008 , 152, 431-9	12.8	58
61	Wastewater treatment using low cost activated carbons derived from agricultural byproducts--a case study. <i>Journal of Hazardous Materials</i> , 2008 , 152, 1045-53	12.8	184
60	Chemometrics assisted spectrophotometric determination of pyridine in water and wastewater. <i>Analytica Chimica Acta</i> , 2008 , 630, 10-8	6.6	8
59	Farm hand tools injuries: A case study from northern India. <i>Safety Science</i> , 2008 , 46, 54-65	5.8	41
58	Traffic safety and city structure: lessons for the future. <i>Salud Publica De Mexico</i> , 2008 , 50 Suppl 1, S93-100	7	8
57	Product Analysis and Thermodynamic Simulations from the Pyrolysis of Several Biomass Feedstocks. <i>Energy & Fuels</i> , 2007 , 21, 2373-2385	4.1	58
56	Exploring groundwater hydrochemistry of alluvial aquifers using multi-way modeling. <i>Analytica Chimica Acta</i> , 2007 , 596, 171-82	6.6	14
55	Arsenic removal from water/wastewater using adsorbents--A critical review. <i>Journal of Hazardous Materials</i> , 2007 , 142, 1-53	12.8	2545
54	Sorption of arsenic, cadmium, and lead by chars produced from fast pyrolysis of wood and bark during bio-oil production. <i>Journal of Colloid and Interface Science</i> , 2007 , 310, 57-73	9.3	708
53	Synthesis, characterization, and investigation of structure-thermal cyclimidization relationship of novel poly(amide amic acid)s to poly(amide imide)s by thermogravimetric analysis. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 2937-2947	2.6	4
52	Removal of 2-Aminophenol Using Novel Adsorbents. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 1113-1122	3.9	32
51	Reply to Comment on the Removal Mechanism of Hexavalent Chromium by Biomaterials or Biomaterial-Based Activated Carbons[Comment on Removal of Hexavalent Chromium from Aqueous Solution Using Low-Cost Activated Carbons Derived from Agricultural Waste Materials and Activated Carbon Fabric Cloth] <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 2411-2412	3.9	1
50	Pyrolysis of Wood/Biomass for Bio-oil: A Critical Review. <i>Energy & Fuels</i> , 2006 , 20, 848-889	4.1	3852

49	Single, binary and multi-component adsorption of copper and cadmium from aqueous solutions on Kraft lignin--a biosorbent. <i>Journal of Colloid and Interface Science</i> , 2006 , 297, 489-504	9.3	262
48	Studies on the interaction of some azo dyes (naphthol red-J and direct orange) with nontronite mineral. <i>Journal of Colloid and Interface Science</i> , 2006 , 298, 79-86	9.3	46
47	Single, binary, and multicomponent sorption of iron and manganese on lignite. <i>Journal of Colloid and Interface Science</i> , 2006 , 299, 76-87	9.3	103
46	Trivalent chromium removal from wastewater using low cost activated carbon derived from agricultural waste material and activated carbon fabric cloth. <i>Journal of Hazardous Materials</i> , 2006 , 135, 280-95	12.8	317
45	Removal and recovery of metal ions from acid mine drainage using lignite--A low cost sorbent. <i>Journal of Hazardous Materials</i> , 2006 , 137, 1545-53	12.8	144
44	Activated carbons and low cost adsorbents for remediation of tri- and hexavalent chromium from water. <i>Journal of Hazardous Materials</i> , 2006 , 137, 762-811	12.8	1263
43	Evaluation of groundwater quality in northern Indo-Gangetic alluvium region. <i>Environmental Monitoring and Assessment</i> , 2006 , 112, 211-30	3.1	66
42	Removal of alpha-picoline, beta-picoline, and gamma-picoline from synthetic wastewater using low cost activated carbons derived from coconut shell fibers. <i>Environmental Science & Technology</i> , 2005 , 39, 5076-86	10.3	27
41	Studies on distribution and fractionation of heavy metals in Gomti river sediments--a tributary of the Ganges, India. <i>Journal of Hydrology</i> , 2005 , 312, 14-27	6	432
40	Removal of Hexavalent Chromium from Aqueous Solution Using Low-Cost Activated Carbons Derived From Agricultural Waste Materials and Activated Carbon Fabric Cloth. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 1027-1042	3.9	301
39	Removal of pyridine derivatives from aqueous solution by activated carbons developed from agricultural waste materials. <i>Carbon</i> , 2005 , 43, 1680-1693	10.4	65
38	Chemometric data analysis of pollutants in wastewater--a case study. <i>Analytica Chimica Acta</i> , 2005 , 532, 15-25	6.6	76
37	Chemometric analysis of groundwater quality data of alluvial aquifer of Gangetic plain, North India. <i>Analytica Chimica Acta</i> , 2005 , 550, 82-91	6.6	124
36	Distribution of persistent organochlorine pesticide residues in Gomti River, India. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2005 , 74, 146-54	2.7	53
35	Persistent organochlorine pesticide residues in alluvial groundwater aquifers of Gangetic Plains, India. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2005 , 74, 162-9	2.7	35
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25	Development of grain threshers based on ergonomic design criteria. <i>Applied Ergonomics</i> , 2002 , 33, 503-84.2	4.2	14
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2	Competitive Adsorption of Several Organics and Heavy Metals on Activated Carbon in Water ¹⁰⁷		
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