Dinesh Mohan

List of Publications by Citations

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	Pyrolysis of Wood/Biomass for Bio-oil: A Critical Review. *Energy & Fuels*, **2006**, 20, 848-889	4.1	3852
191	Arsenic removal from water/wastewater using adsorbents--A critical review. *Journal of Hazardous Materials*, **2007**, 142, 1-53	12.8	2545
190	Biochar as a sorbent for contaminant management in soil and water: a review. *Chemosphere*, **2014**, 99, 19-33	8.4	2439
189	Organic and inorganic contaminants removal from water with biochar, a renewable, low cost and sustainable adsorbent--a critical review. *Bioresource Technology*, **2014**, 160, 191-202	11	1406
188	Activated carbons and low cost adsorbents for remediation of tri- and hexavalent chromium from water. *Journal of Hazardous Materials*, **2006**, 137, 762-811	12.8	1263
187	Multivariate statistical techniques for the evaluation of spatial and temporal variations in water quality of Gomti River (India)--a case study. *Water Research*, **2004**, 38, 3980-92	12.5	986
186	Single- and multi-component adsorption of cadmium and zinc using activated carbon derived from bagasse--an agricultural waste. *Water Research*, **2002**, 36, 2304-18	12.5	864
185	Effects of pyrolysis temperature on soybean stover- and peanut shell-derived biochar properties and TCE adsorption in water. *Bioresource Technology*, **2012**, 118, 536-44	11	752
184	Public health benefits of strategies to reduce greenhouse-gas emissions: urban land transport. *Lancet, The*, **2009**, 374, 1930-43	40	708
183	Sorption of arsenic, cadmium, and lead by chars produced from fast pyrolysis of wood and bark during bio-oil production. *Journal of Colloid and Interface Science*, **2007**, 310, 57-73	9.3	708
182	Pharmaceuticals of Emerging Concern in Aquatic Systems: Chemistry, Occurrence, Effects, and Removal Methods. *Chemical Reviews*, **2019**, 119, 3510-3673	68.1	679
181	Studies on distribution and fractionation of heavy metals in Gomti river sediments□ tributary of the Ganges, India. *Journal of Hydrology*, **2005**, 312, 14-27	6	432
180	Magnetic magnetite (Fe3O4) nanoparticle synthesis and applications for lead (Pb2+) and chromium (Cr6+) removal from water. *Journal of Colloid and Interface Science*, **2016**, 468, 334-346	9.3	422
179	Design parameters for fixed bed reactors of activated carbon developed from fertilizer waste for the removal of some heavy metal ions. *Waste Management*, **1998**, 17, 517-522	8.6	399
178	Modeling and evaluation of chromium remediation from water using low cost bio-char, a green adsorbent. *Journal of Hazardous Materials*, **2011**, 188, 319-33	12.8	377
177	Cadmium and lead remediation using magnetic oak wood and oak bark fast pyrolysis bio-chars. *Chemical Engineering Journal*, **2014**, 236, 513-528	14.7	348
176	Pyrolysis of Wood and Bark in an Auger Reactor: Physical Properties and Chemical Analysis of the Produced Bio-oils. *Energy & Fuels*, **2008**, 22, 614-625	4.1	339

175	Trivalent chromium removal from wastewater using low cost activated carbon derived from agricultural waste material and activated carbon fabric cloth. *Journal of Hazardous Materials*, **2006**, 135, 280-95	12.8	317
174	Removal of Hexavalent Chromium from Aqueous Solution Using Low-Cost Activated Carbons Derived from Agricultural Waste Materials and Activated Carbon Fabric Cloth. *Industrial & Engineering Chemistry Research*, **2005**, 44, 1027-1042	3.9	301
173	Biochar based removal of antibiotic sulfonamides and tetracyclines in aquatic environments: A critical review. *Bioresource Technology*, **2017**, 246, 150-159	11	291
172	Impact assessment of treated/untreated wastewater toxicants discharged by sewage treatment plants on health, agricultural, and environmental quality in the wastewater disposal area. *Chemosphere*, **2004**, 55, 227-55	8.4	291
171	Equilibrium uptake and sorption dynamics for the removal of a basic dye (basic red) using low-cost adsorbents. *Journal of Colloid and Interface Science*, **2003**, 265, 257-64	9.3	288
170	Removal of Dyes from Wastewater Using Flyash, a Low-Cost Adsorbent *Industrial & Engineering Chemistry Research*, **2002**, 41, 3688-3695	3.9	284
169	Land use, transport, and population health: estimating the health benefits of compact cities. *Lancet, The*, **2016**, 388, 2925-2935	40	264
168	Single, binary and multi-component adsorption of copper and cadmium from aqueous solutions on Kraft lignin--a biosorbent. *Journal of Colloid and Interface Science*, **2006**, 297, 489-504	9.3	262
167	Color Removal from Wastewater Using Low-Cost Activated Carbon Derived from Agricultural Waste Material. *Industrial & Engineering Chemistry Research*, **2003**, 42, 1965-1976	3.9	257
166	Heavy metals [chromium (VI) and lead (II)] removal from water using mesoporous magnetite (Fe3O4) nanospheres. *Journal of Colloid and Interface Science*, **2015**, 442, 120-32	9.3	247
165	Removal of Basic Dyes (Rhodamine B and Methylene Blue) from Aqueous Solutions Using Bagasse Fly Ash. *Separation Science and Technology*, **2000**, 35, 2097-2113	2.5	242
164	Pyrolysis condition affected sulfamethazine sorption by tea waste biochars. *Bioresource Technology* , **2014**, 166, 303-8	11	225
163	Development of magnetic activated carbon from almond shells for trinitrophenol removal from water. *Chemical Engineering Journal*, **2011**, 172, 1111-1125	14.7	224
162	Sorptive removal of salicylic acid and ibuprofen from aqueous solutions using pine wood fast pyrolysis biochar. *Chemical Engineering Journal*, **2015**, 265, 219-227	14.7	214
161	Remediating fluoride from water using hydrous zirconium oxide. *Chemical Engineering Journal*, **2012**, 198-199, 236-245	14.7	214
160	Process Development for the Removal of Zinc and Cadmium from Wastewater Using Slag Blast Furnace Waste Material. *Separation Science and Technology*, **1997**, 32, 2883-2912	2.5	214
159	Equilibrium Uptake, Sorption Dynamics, Process Optimization, and Column Operations for the Removal and Recovery of Malachite Green from Wastewater Using Activated Carbon and Activated Slag. *Industrial & Engineering Chemistry Research*, **1997**, 36, 2207-2218	3.9	202
158	Wastewater treatment using low cost activated carbons derived from agricultural byproducts--a case study. *Journal of Hazardous Materials*, **2008**, 152, 1045-53	12.8	184

157	Accumulation and distribution of toxic metals in wheat (Triticum aestivum L.) and Indian mustard (Brassica campestris L.) irrigated with distillery and tannery effluents. *Journal of Hazardous Materials*, **2009**, 162, 1514-21	12.8	178
156	Fluoride Removal from Water using Bio-Char, a Green Waste, Low-Cost Adsorbent: Equilibrium Uptake and Sorption Dynamics Modeling. *Industrial & Engineering Chemistry Research*, **2012**, 51, 900-914	3.9	172
155	Utilization of bagasse fly ash generated in the sugar industry for the removal and recovery of phenol and p-nitrophenol from wastewater. *Journal of Chemical Technology and Biotechnology*, **1998**, 71, 180-186	3.5	172
154	Removal of Lead and Chromium by Activated Slag A Blast-Furnace Waste. *Journal of Environmental Engineering, ASCE*, **1997**, 123, 461-468	2	164
153	Removal of chromium(VI) from electroplating industry wastewater using bagasse fly ash sugar industry waste material. *The Environmentalist*, **1998**, 19, 129-136		144
152	Removal and recovery of metal ions from acid mine drainage using lignite--A low cost sorbent. *Journal of Hazardous Materials*, **2006**, 137, 1545-53	12.8	144
151	>Removal of Lead from Wastewater Using Bagasse Fly Ash A Sugar Industry Waste Material. *Separation Science and Technology*, **1998**, 33, 1331-1343	2.5	139
150	Fast nitrate and fluoride adsorption and magnetic separation from water on FeO and FeO dispersed on Douglas fir biochar. *Bioresource Technology*, **2018**, 263, 258-265	11	135
149	Kinetics, thermodynamics and mechanistic studies of carbofuran removal using biochars from tea waste and rice husks. *Chemosphere*, **2016**, 150, 781-789	8.4	127
148	Lead and cadmium remediation using magnetized and nonmagnetized biochar from Douglas fir. *Chemical Engineering Journal*, **2018**, 331, 480-491	14.7	125
147	Chemometric analysis of groundwater quality data of alluvial aquifer of Gangetic plain, North India. *Analytica Chimica Acta*, **2005**, 550, 82-91	6.6	124
146	Road safety in less-motorized environments: future concerns. *International Journal of Epidemiology*, **2002**, 31, 527-32	7.8	119
145	Lead sorptive removal using magnetic and nonmagnetic fast pyrolysis energy cane biochars. *Journal of Colloid and Interface Science*, **2015**, 448, 238-50	9.3	111
144	Removal of pyridine from aqueous solution using low cost activated carbons derived from agricultural waste materials. *Carbon*, **2004**, 42, 2409-2421	10.4	110
143	Lead and Chromium Adsorption from Water using L-Cysteine Functionalized Magnetite (FeO) Nanoparticles. *Scientific Reports*, **2017**, 7, 7672	4.9	109
142	Arsenate adsorption on three types of granular schwertmannite. *Water Research*, **2013**, 47, 2938-48	12.5	103
141	Single, binary, and multicomponent sorption of iron and manganese on lignite. *Journal of Colloid and Interface Science*, **2006**, 299, 76-87	9.3	103
140	Lead (Pb) and copper (Cu) remediation from water using superparamagnetic maghemite (FeO) nanoparticles synthesized by Flame Spray Pyrolysis (FSP). *Journal of Colloid and Interface Science*, **2017**, 492, 176-190	9.3	98

139	Antimonate and antimonite adsorption by a polyvinyl alcohol-stabilized granular adsorbent containing nanoscale zero-valent iron. *Chemical Engineering Journal*, **2014**, 247, 250-257	14.7	93
138	Biochar production and applications in soil fertility and carbon sequestration a sustainable solution to crop-residue burning in India. *RSC Advances*, **2018**, 8, 508-520	3.7	88
137	Fluoride removal from ground water using magnetic and nonmagnetic corn stover biochars. *Ecological Engineering*, **2014**, 73, 798-808	3.9	88
136	Status of heavy metals in water and bed sediments of river Gomti--a tributary of the Ganga River, India. *Environmental Monitoring and Assessment*, **2005**, 105, 43-67	3.1	86
135	A review of fluoride in african groundwater and local remediation methods. *Groundwater for Sustainable Development*, **2016**, 2-3, 190-212	6	83
134	Removal of Arsenic(III) from water using magnetite precipitated onto Douglas fir biochar. *Journal of Environmental Management*, **2019**, 250, 109429	7.9	81
133	Characterization of Bio-oils Produced from Fast Pyrolysis of Corn Stalks in an Auger Reactor. *Energy & Fuels*, **2012**, 26, 3816-3825	4.1	80
132	Modeling adsorption kinetics of trichloroethylene onto biochars derived from soybean stover and peanut shell wastes. *Environmental Science and Pollution Research*, **2013**, 20, 8364-73	5.1	79
131	Removal of Fluoride from Aqueous Solutions by Eichhornia crassipes Biomass and Its Carbonized Form. *Industrial & Engineering Chemistry Research*, **2003**, 42, 6911-6918	3.9	76
130	Chemometric data analysis of pollutants in wastewater a case study. *Analytica Chimica Acta*, **2005**, 532, 15-25	6.6	76
129	Engineered biochar A sustainable solution for the removal of antibiotics from water. *Chemical Engineering Journal*, **2021**, 405, 126926	14.7	75
128	Carbamazepine removal from water by carbon dot-modified magnetic carbon nanotubes. *Environmental Research*, **2019**, 169, 434-444	7.9	73
127	Synthesis of graphene oxide/schwertmannite nanocomposites and their application in Sb(V) adsorption from water. *Chemical Engineering Journal*, **2015**, 270, 205-214	14.7	70
126	Emerging technologies for arsenic removal from drinking water in rural and peri-urban areas: Methods, experience from, and options for Latin America. *Science of the Total Environment*, **2019**, 694, 133427	10.2	68
125	Fe3O4 Nanoparticles Dispersed on Douglas Fir Biochar for Phosphate Sorption. *ACS Applied Nano Materials*, **2019**, 2, 3467-3479	5.6	66
124	Evaluating influences of seasonal variations and anthropogenic activities on alluvial groundwater hydrochemistry using ensemble learning approaches. *Journal of Hydrology*, **2014**, 511, 254-266	6	66
123	Evaluation of groundwater quality in northern Indo-Gangetic alluvium region. *Environmental Monitoring and Assessment*, **2006**, 112, 211-30	3.1	66
122	Removal of pyridine derivatives from aqueous solution by activated carbons developed from agricultural waste materials. *Carbon*, **2005**, 43, 1680-1693	10.4	65

121	Lead (Pb2+) adsorption by monodispersed magnetite nanoparticles: Surface analysis and effects of solution chemistry. *Journal of Environmental Chemical Engineering*, **2016**, 4, 4237-4247	6.8	62
120	Phenoxy herbicide removal from aqueous solutions using fast pyrolysis switchgrass biochar. *Chemosphere*, **2017**, 174, 49-57	8.4	61
119	Adsorption of metribuzin from aqueous solution using magnetic and nonmagnetic sustainable low-cost biochar adsorbents. *Environmental Science and Pollution Research*, **2017**, 24, 4577-4590	5.1	58
118	Biochar versus bone char for a sustainable inorganic arsenic mitigation in water: What needs to be done in future research?. *Environment International*, **2019**, 127, 52-69	12.9	58
117	Product Analysis and Thermodynamic Simulations from the Pyrolysis of Several Biomass Feedstocks. *Energy & Fuels*, **2007**, 21, 2373-2385	4.1	58
116	Effect of distillery sludge on seed germination and growth parameters of green gram (Phaseolus mungo L.). *Journal of Hazardous Materials*, **2008**, 152, 431-9	12.8	58
115	Studies on defluoridation of water by coal-based sorbents. *Journal of Chemical Technology and Biotechnology*, **2001**, 76, 717-722	3.5	58
114	Groundwater quality assessment in the village of Lutfullapur Nawada, Loni, District Ghaziabad, Uttar Pradesh, India. *Environmental Monitoring and Assessment*, **2012**, 184, 4473-88	3.1	55
113	Re-fueling road transport for better air quality in India. *Energy Policy*, **2014**, 68, 556-561	7.2	54
112	Distribution of persistent organochlorine pesticide residues in Gomti River, India. *Bulletin of Environmental Contamination and Toxicology*, **2005**, 74, 146-54	2.7	53
111	The mechanisms of biochar interactions with microorganisms in soil. *Environmental Geochemistry and Health*, **2020**, 42, 2495-2518	4.7	52
110	An analysis of road traffic fatalities in Delhi, India. *Accident Analysis and Prevention*, **1985**, 17, 33-45	6.1	51
109	Vapor-Phase Adsorption of Hexane and Benzene on Activated Carbon Fabric Cloth: Equilibria and Rate Studies. *Industrial & Engineering Chemistry Research*, **2002**, 41, 2480-2486	3.9	49
108	Multispecies QSAR modeling for predicting the aquatic toxicity of diverse organic chemicals for regulatory toxicology. *Chemical Research in Toxicology*, **2014**, 27, 741-53	4	48
107	Benchmarking vehicle and passenger travel characteristics in Delhi for on-road emissions analysis. *Travel Behaviour & Society*, **2015**, 2, 88-101	5.3	48
106	Fungicidal values of bio-oils and their lignin-rich fractions obtained from wood/bark fast pyrolysis. *Chemosphere*, **2008**, 71, 456-65	8.4	47
105	Urban traffic safety assessment: A case study of six Indian cities. *IATSS Research*, **2016**, 39, 95-101	4.2	47
104	Studies on the interaction of some azo dyes (naphthol red-J and direct orange) with nontronite mineral. *Journal of Colloid and Interface Science*, **2006**, 298, 79-86	9.3	46

103	Process Development for Removal of Substituted Phenol by Carbonaceous Adsorbent Obtained from Fertilizer Waste. *Journal of Environmental Engineering, ASCE*, **1997**, 123, 842-851	2	45
102	Lead (Pb) sorptive removal using chitosan-modified biochar: batch and fixed-bed studies.. *RSC Advances*, **2018**, 8, 25368-25377	3.7	44
101	Design of safer agricultural equipment: Application of ergonomics and epidemiology. *International Journal of Industrial Ergonomics*, **1992**, 10, 301-309	2.9	43
100	Farm hand tools injuries: A case study from northern India. *Safety Science*, **2008**, 46, 54-65	5.8	41
99	Kinetic parameters for the removal of lead and chromium from wastewater using activated carbon developed from fertilizer waste material. *Environmental Modeling and Assessment*, **1996**, 1, 281-290	2	40
98	Biochar Adsorbents with Enhanced Hydrophobicity for Oil Spill Removal. *ACS Applied Materials & Interfaces*, **2020**, 12, 9248-9260	9.5	40
97	Official government statistics of road traffic deaths in India under-represent pedestrians and motorised two wheeler riders. *Injury Prevention*, **2017**, 23, 1-7	3.2	36
96	Distribution of polycyclic aromatic hydrocarbons in Gomti river system, India. *Bulletin of Environmental Contamination and Toxicology*, **2004**, 72, 1211-8	2.7	36
95	Persistent organochlorine pesticide residues in alluvial groundwater aquifers of Gangetic Plains, India. *Bulletin of Environmental Contamination and Toxicology*, **2005**, 74, 162-9	2.7	35
94	Cadmium and lead remediation using magnetic and non-magnetic sustainable biosorbents derived from Bauhinia purpurea pods. *RSC Advances*, **2017**, 7, 8606-8624	3.7	34
93	Coronavirus (SARS-CoV-2) in the environment: Occurrence, persistence, analysis in aquatic systems and possible management. *Science of the Total Environment*, **2021**, 765, 142698	10.2	33
92	Removal of 2-Aminophenol Using Novel Adsorbents. *Industrial & Engineering Chemistry Research*, **2006**, 45, 1113-1122	3.9	32
91	Assessment of motor vehicle use characteristics in three Indian cities. *Transportation Research, Part D: Transport and Environment*, **2016**, 44, 254-265	6.4	31
90	Fast aniline and nitrobenzene remediation from water on magnetized and nonmagnetized Douglas fir biochar.. *Chemosphere*, **2019**, 225, 943-953	8.4	31
89	Sustainable transport and the modernisation of urban transport in Delhi and Stockholm. *Cities*, **2010**, 27, 421-429	5.6	30
88	Sustainable development of coconut shell activated carbon (CSAC) & a magnetic coconut shell activated carbon (MCSAC) for phenol (2-nitrophenol) removal. *RSC Advances*, **2016**, 6, 85390-85410	3.7	29
87	Interface interactions between insecticide carbofuran and tea waste biochars produced at different pyrolysis temperatures. *Chemical Speciation and Bioavailability*, **2016**, 28, 110-118		29
86	Two-wheeler injuries in Delhi, India: A study of crash victims hospitalized in a neuro-surgery ward. *Accident Analysis and Prevention*, **1984**, 16, 407-416	6.1	29

85	Environmental pollution of soil with PAHs in energy producing plants zone. *Science of the Total Environment*, **2019**, 655, 232-241	10.2	29
84	An improved motorcycle helmet design for tropical climates. *Applied Ergonomics*, **1993**, 24, 427-31	4.2	28
83	Sustainable Low-Concentration Arsenite [As(III)] Removal in Single and Multicomponent Systems Using Hybrid Iron Oxide-Biochar Nanocomposite Adsorbents-A Mechanistic Study. *ACS Omega*, **2020**, 5, 2575-2593	3.9	27
82	Removal of alpha-picoline, beta-picoline, and gamma-picoline from synthetic wastewater using low cost activated carbons derived from coconut shell fibers. *Environmental Science & Technology*, **2005**, 39, 5076-86	10.3	27
81	Application of co-composted biochar significantly improved plant-growth relevant physical/chemical properties of a metal contaminated soil. *Chemosphere*, **2020**, 242, 125255	8.4	27
80	Antimonate removal from water using hierarchical macro-/mesoporous amorphous alumina. *Chemical Engineering Journal*, **2015**, 264, 617-624	14.7	26
79	QSTR modeling for qualitative and quantitative toxicity predictions of diverse chemical pesticides in honey bee for regulatory purposes. *Chemical Research in Toxicology*, **2014**, 27, 1504-15	4	26
78	Evaluation of Odd□Even Day Traffic Restriction Experiments in Delhi, India. *Transportation Research Record*, **2017**, 2627, 9-16	1.7	26
77	Heterogeneous persulfate activation by nano-sized Mn3O4 to degrade furfural from wastewater. *Journal of Molecular Liquids*, **2020**, 298, 112088	6	26
76	Insights into aqueous carbofuran removal by modified and non-modified rice husk biochars. *Environmental Science and Pollution Research*, **2017**, 24, 22755-22763	5.1	25
75	Waste sludge derived adsorbents for arsenate removal from water. *Chemosphere*, **2020**, 239, 124832	8.4	24
74	Performance and mass transfer of aqueous fluoride removal by a magnetic alumina aerogel. *RSC Advances*, **2016**, 6, 112988-112999	3.7	23
73	Ciprofloxacin and acetaminophen sorption onto banana peel biochars: Environmental and process parameter influences. *Environmental Research*, **2021**, 201, 111218	7.9	23
72	Aqueous carbofuran removal using slow pyrolyzed sugarcane bagasse biochar: equilibrium and fixed-bed studies.. *RSC Advances*, **2019**, 9, 26338-26350	3.7	22
71	The care and transport of trauma victims by layperson emergency medical systems: a qualitative study in Delhi, India. *BMJ Global Health*, **2019**, 4, e001963	6.6	22
70	Synthesis of l-cysteine stabilized zero-valent iron (nZVI) nanoparticles for lead remediation from water. *Environmental Nanotechnology, Monitoring and Management*, **2017**, 7, 34-45	3.3	21
69	Particulate and gaseous emissions in two coastal cities□Chennai and Vishakhapatnam, India. *Air Quality, Atmosphere and Health*, **2015**, 8, 559-572	5.6	21
68	Major ion chemistry of the ground water at the Khoda Village, Ghaziabad, India. *Sustainability of Water Quality and Ecology*, **2014**, 3-4, 133-150		20

67	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. *ACS Omega*, **2019**, 4, 19513-19525	3.9	19
66	Identification of Fe and Zr oxide phases in an iron-zirconium binary oxide and arsenate complexes adsorbed onto their surfaces. *Journal of Hazardous Materials*, **2018**, 353, 340-347	12.8	18
65	Studies on tractor related injuries in northern India. *Accident Analysis and Prevention*, **1998**, 30, 53-60	6.1	18
64	Modeling the reactivities of hydroxyl radical and ozone towards atmospheric organic chemicals using quantitative structure-reactivity relationship approaches. *Environmental Science and Pollution Research*, **2016**, 23, 14034-46	5.1	18
63	Batch and Continuous Fixed-Bed Lead Removal Using Himalayan Pine Needle Biochar: Isotherm and Kinetic Studies. *ACS Omega*, **2020**, 5, 16366-16378	3.9	17
62	Seven potential sources of arsenic pollution in Latin America and their environmental and health impacts. *Science of the Total Environment*, **2021**, 780, 146274	10.2	17
61	High capacity aqueous phosphate reclamation using Fe/Mg-layered double hydroxide (LDH) dispersed on biochar. *Journal of Colloid and Interface Science*, **2021**, 597, 182-195	9.3	16
60	Childhood injuries in rural north India. *International Journal of Injury Control and Safety Promotion*, **2010**, 17, 45-52	1.8	15
59	Urban street structure and traffic safety. *Journal of Safety Research*, **2017**, 62, 63-71	4	14
58	Road traffic injuries: a stocktaking. *Best Practice and Research in Clinical Rheumatology*, **2008**, 22, 725-39	5.3	14
57	Exploring groundwater hydrochemistry of alluvial aquifers using multi-way modeling. *Analytica Chimica Acta*, **2007**, 596, 171-82	6.6	14
56	Development of grain threshers based on ergonomic design criteria. *Applied Ergonomics*, **2002**, 33, 503-8	4.2	14
55	Development of safer fodder-cutter machines: a case study from north India. *Safety Science*, **2004**, 42, 43-55	5.8	13
54	Water decontamination using bio-based, chemically functionalized, doped, and ionic liquid-enhanced adsorbents: review. *Environmental Chemistry Letters*, **2021**, 19, 3075-3114	13.3	13
53	Household arsenic contaminated water treatment employing iron oxide/bamboo biochar composite: An approach to technology transfer. *Journal of Colloid and Interface Science*, **2021**, 587, 767-779	9.3	13
52	How much would low- and middle-income countries benefit from addressing the key risk factors of road traffic injuries?. *International Journal of Injury Control and Safety Promotion*, **2020**, 27, 83-90	1.8	12
51	Modelling vehicular interactions for heterogeneous traffic flow using cellular automata with position preference. *Journal of Modern Transportation*, **2017**, 25, 163-177	3.7	12
50	Adsorbents for real-scale water remediation: Gaps and the road forward. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105380	6.8	12

49	Mental illness and injuries: emerging health challenges of urbanisation in South Asia. *BMJ, The*, **2017**, 357, j1126	5.9	11
48	Interaction of 2,4-dinitrophenol and 2,4,6-trinitrophenol with copper, zinc, molybdenum and chromium ferrocyanides. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **1998**, 131, 89-93	5.1	11
47	Nanoscale zero-valent iron for aqueous lead removal. *Advanced Materials Proceedings*, **2017**, 2, 235-241	1	11
46	Effects of Surface Iron Hydroxyl Group Site Densities on Arsenate Adsorption by Iron Oxide Nanocomposites. *Nanoscience and Nanotechnology Letters*, **2016**, 8, 1020-1027	0.8	10
45	Room-temperature and temperature-dependent QSRR modelling for predicting the nitrate radical reaction rate constants of organic chemicals using ensemble learning methods. *SAR and QSAR in Environmental Research*, **2016**, 27, 539-58	3.5	10
44	Investigating the association between population density and travel patterns in Indian cities-An analysis of 2011 census data. *Cities*, **2020**, 100, 102656	5.6	9
43	Safety of young children on motorized two-wheelers around the world: A review of the global epidemiological evidence. *IATSS Research*, **2015**, 38, 83-91	4.2	9
42	Synthesis and Kinetic Study of Thermal Cycloimidization of Novel Poly(Amide Amic Acid) to Poly(Amide Imide) by Thermogravimetric Analysis. *Journal of Macromolecular Science - Physics*, **2011**, 50, 1388-1401	1.4	9
41	Safer Truck Front Design for Pedestrian Impacts*. *Traffic Injury Prevention*, **2000**, 2, 33-43		9
40	Traffic safety: Rights and obligations. *Accident Analysis and Prevention*, **2019**, 128, 159-163	6.1	8
39	Removal of antimonate and antimonite from water by schwertmannite granules. *Desalination and Water Treatment*, **2016**, 57, 25639-25652		8
38	The stability and removal of water-dispersed CdSe/CdS core-shell quantum dots from water. *Chemosphere*, **2017**, 185, 926-933	8.4	8
37	Chemometrics assisted spectrophotometric determination of pyridine in water and wastewater. *Analytica Chimica Acta*, **2008**, 630, 10-8	6.6	8
36	Traffic safety and city structure: lessons for the future. *Salud Publica De Mexico*, **2008**, 50 Suppl 1, S93-100	1.7	8
35	Water as key to the sustainable development goals of South Sudan – A water quality assessment of Eastern Equatoria State. *Groundwater for Sustainable Development*, **2019**, 8, 255-270	6	7
34	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]. *Journal of Hazardous Materials*, **2011**, 185, 1614-7	12.8	7
33	A Review of Cellular Automata Model for Heterogeneous Traffic Conditions **2015**, 471-478		7
32	Inter-moieties reactivity correlations: an approach to estimate the reactivity endpoints of major atmospheric reactants towards organic chemicals. *RSC Advances*, **2016**, 6, 50297-50305	3.7	7

31	Analysis of Pedestrian Movement on Delhi Roads by Using Naturalistic Observation Techniques. *Transportation Research Record*, **2017**, 2634, 95-100	1.7	6
30	A property-performance correlation and mass transfer study of As(V) adsorption on three mesoporous aluminas. *RSC Advances*, **2016**, 6, 80630-80639	3.7	6
29	Safety of motorized two-wheeler riders in the formal and informal transport sector. *International Journal of Injury Control and Safety Promotion*, **2020**, 27, 51-60	1.8	4
28	Synthesis, characterization, and investigation of structure-thermal cycloimidization relationship of novel poly(amide amic acid)s to poly(amide imide)s by thermogravimetric analysis. *Journal of Polymer Science, Part B: Polymer Physics*, **2007**, 45, 2937-2947	2.6	4
27	Future of road safety and SDG 3.6 goals in six Indian cities. *IATSS Research*, **2021**, 45, 12-18	4.2	4
26	Preparation of Activated and Non-Activated Carbon from Conocarpus Pruning Waste as Low-Cost Adsorbent for Removal of Heavy Metal Ions from Aqueous Solution. *BioResources*, **2015**, 11,	1.3	3
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