Ravindra Kumar Gautam

List of Publications by Citations

46 papers	1,600 citations	19 h-index	40 g-index
48 ext. papers	1,905 ext. citations	4.9 avg, IF	4.99 L-index

#	Paper	IF	Citations
46	Biomass-derived biosorbents for metal ions sequestration: Adsorbent modification and activation methods and adsorbent regeneration. *Journal of Environmental Chemical Engineering*, **2014**, 2, 239-259	6.8	301
45	Polymer functionalized nanocomposites for metals removal from water and wastewater: An overview. *Water Research*, **2016**, 92, 22-37	12.5	233
44	Synthesis of bimetallic Fe⁰/Zn nanoparticles and its application towards adsorptive removal of carcinogenic dye malachite green and Congo red in water. *Journal of Molecular Liquids*, **2015**, 212, 227-236	6	109
43	Removal of tartrazine by activated carbon biosorbents of Lantana camara: Kinetics, equilibrium modeling and spectroscopic analysis. *Journal of Environmental Chemical Engineering*, **2015**, 3, 79-88	6.8	92
42	Kinetic, equilibrium, thermodynamic studies and spectroscopic analysis of Alizarin Red S removal by mustard husk. *Journal of Environmental Chemical Engineering*, **2013**, 1, 1283-1291	6.8	83
41	Removal of Ni(II) by magnetic nanoparticles. *Journal of Molecular Liquids*, **2015**, 204, 60-69	6	83
40	Adsorption characteristics of alumina nanoparticles for the removal of hazardous dye, Orange G from aqueous solutions. *Arabian Journal of Chemistry*, **2019**, 12, 5339-5354	5.9	82
39	Removal of Malachite Green, a hazardous dye from aqueous solutions using Avena sativa (oat) hull as a potential adsorbent. *Journal of Molecular Liquids*, **2016**, 213, 162-172	6	80
38	Citric acid coated magnetic nanoparticles: Synthesis, characterization and application in removal of Cd(II) ions from aqueous solution. *Journal of Water Process Engineering*, **2014**, 4, 233-241	6.7	72
37	Synthesis and characterization of a novel SnFe 2 O 4 @activated carbon magnetic nanocomposite and its effectiveness in the removal of crystal violet from aqueous solution. *Journal of Environmental Chemical Engineering*, **2015**, 3, 2281-2291	6.8	58
36	Rapid scavenging of methylene blue dye from a liquid phase by adsorption on alumina nanoparticles. *RSC Advances*, **2015**, 5, 14425-14440	3.7	55
35	Advances and perspective in bioremediation of polychlorinated biphenyl-contaminated soils. *Environmental Science and Pollution Research*, **2018**, 25, 16355-16375	5.1	49
34	Preparation of activated carbon from Alligator weed (Alternenthera philoxeroids) and its application for tartrazine removal: Isotherm, kinetics and spectroscopic analysis. *Journal of Environmental Chemical Engineering*, **2015**, 3, 2560-2568	6.8	37
33	Copper adsorption onto synthesized nitrilotriacetic acid functionalized Fe3O4 nanoparticles: kinetic, equilibrium and thermodynamic studies. *Journal of Environmental Chemical Engineering*, **2015**, 3, 2161-2171	6.8	34
32	Humic acid functionalized magnetic nanomaterials for remediation of dye wastewater under ultrasonication: Application in real water samples, recycling and reuse of nanosorbents. *Chemosphere*, **2020**, 245, 125553	8.4	29
31	Green synthesis, activation and functionalization of adsorbents for dye sequestration. *Environmental Chemistry Letters*, **2019**, 17, 157-193	13.3	28
30	Synthesis of novel nano-layered double hydroxide by urea hydrolysis method and their application in removal of chromium(VI) from aqueous solution: Kinetic, thermodynamic and equilibrium studies. *Journal of Molecular Liquids*, **2015**, 202, 52-61	6	26

29	Synthesis of copper coordinated dithiooxamide metal organic framework and its performance assessment in the adsorptive removal of tartrazine from water. *Journal of Environmental Chemical Engineering*, **2017**, 5, 328-340	6.8	23
28	Biochar for remediation of agrochemicals and synthetic organic dyes from environmental samples: A review.. *Chemosphere*, **2021**, 272, 129917	8.4	19
27	Biosorption of Heavy Metals: Recent Trends and Challenges **2013**, 305-322		15
26	Study on adsorption behavior of Acid Orange 10 onto modified wheat husk. *Desalination and Water Treatment*, **2016**, 57, 12302-12315		10
25	Kinetics and Equilibrium Isotherm Modeling: Graphene-Based Nanomaterials for the Removal of Heavy Metals From Water **2016**, 79-109		9
24	Degradation of Di- Through Hepta-Chlorobiphenyls in Clophen Oil Using Microorganisms Isolated from Long Term PCBs Contaminated Soil. *Indian Journal of Microbiology*, **2014**, 54, 337-42	3.7	8
23	Thermodynamic and transport properties of sodium dodecylbenzenesulphonate (SDBS) in aqueous medium over the temperature range 298.15 K to 333.15 K. *Journal of Molecular Liquids*, **2014**, 191, 107-110	6	8
22	Functionalized Magnetic Nanoparticles for Environmental Remediation. *Advances in Chemical and Materials Engineering Book Series*, **2015**, 518-551	0.2	8
21	Development of g-C3N4/Cu-DTO MOF nanocomposite based electrochemical sensor towards sensitive determination of an endocrine disruptor BPSIP. *Journal of Electroanalytical Chemistry*, **2021**, 887, 115170	4.1	7
20	Density, Viscosity, Thermal Expansion Coefficients and Heat Capacity Ratios of an Environmentally Hazardous Dye Tartrazine in Aqueous Solutions in the Temperature Range 293.15–333.15 K. *Proceedings of the National Academy of Sciences India Section A - Physical Sciences*, **2015**, 85, 35-39	0.9	6
19	Adsorptive removal of toxic dyes from aqueous phase using notorious weed Lantana camara (Linn.) as biosorbent. *Research on Chemical Intermediates*, **2016**, 42, 5677-5708	2.8	5
18	A Study on La0.6Sr0.4Co0.3Fe0.8O3(LSCF) Cathode Material Prepared by Gel Combustion Method for IT-SOFCs: Spectroscopic, Electrochemical and Microstructural Analysis. *Asian Journal of Research in Chemistry*, **2015**, 8, 389	1.8	5
17	Nanoscale materials-based hybrid frameworks modified electrochemical biosensors for early cancer diagnostics: An overview of current trends and challenges. *Microchemical Journal*, **2022**, 172, 106980	4.8	4
16	Adsorptive Removal of Alizarin Red S by a Novel Biosorbent of an Invasive Weed Mikania micrantha. *The National Academy of Sciences, India*, **2017**, 40, 113-116	0.6	3
15	Estimation of Thermal Expansion Coefficients of 1-Butyl-3-methylimidazolium Hexafluorophosphate + Poly(ethylene glycol) from Density Data in the Temperature Range (313.15–363.15 K). *The National Academy of Sciences, India*, **2015**, 38, 153-156	0.6	2
14	Layered Double Hydroxides and the Environment: An Overview **2014**, 1-26		2
13	Nanoscale layered double hydroxide modified hybrid nanomaterials for wastewater treatment: A review. *Journal of Molecular Liquids*, **2022**, 350, 118505	6	2
12	Ultrasound-enhanced remediation of toxic dyes from wastewater by activated carbon-doped magnetic nanocomposites: analysis of real wastewater samples and surfactant effect. *Environmental Science and Pollution Research*, **2021**, 28, 36680-36694	5.1	2

11	Nanotechnology for Water Cleanup **2016**, 1-18		2
10	Graphene-Based Nanocomposites as Nanosorbents **2016**, 49-78		2
9	Functionalized Magnetic Nanoparticles for Heavy Metal Removal from Aqueous Solutions: Kinetics and Equilibrium Modeling **2014**, 291-331		1
8	Synthesis of microporous takovite and its environmental application:. *Journal of Molecular Liquids*, **2015**, 209, 759-766	6	1
7	Recent Trends and Advancement in Nanotechnology for Water and Wastewater Treatment. *Advances in Civil and Industrial Engineering Book Series*, **2016**, 208-252	0.5	1
6	Carbon Sequestration in Terrestrial Ecosystems. *Environmental Chemistry for A Sustainable World*, **2015**, 99-131	0.8	1
5	Functionalized Magnetic Nanoparticles for Environmental Remediation **2017**, 705-741		1
4	Remediation Technologies for Water Cleanup: New Trends **2016**, 19-32		1
3	Perovskite of Ba0.2Sr0.8Ni0.8Fe0.2O3-□s a cathode material for intermediate temperature solid oxide fuel cell (IT-SOFC): Electrochemical performance and micro-structural characteristics. *Asian Journal of Research in Chemistry*, **2015**, 8, 190	1.8	
2	Recent Trends and Advancement in Nanotechnology for Water and Wastewater Treatment **2017**, 1745-1779		
1	Sorption of Dyes on Graphene-Based Nanocomposites **2016**, 111-138		