Ravindra Kumar Gautam

List of Publications by Year
in descending order

45	2,304	304368 22	360668 35
papers	citations	h-index	g-index

48	48	48	2893
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biomass-derived biosorbents for metal ions sequestration: Adsorbent modification and activation methods and adsorbent regeneration. Journal of Environmental Chemical Engineering, 2014, 2, 239-259.	3.3	395
2	Polymer functionalized nanocomposites for metals removal from water and wastewater: An overview. Water Research, 2016, 92, 22-37.	5.3	289
3	Synthesis of bimetallic Feâ€“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.	2.3	135
4	Adsorption characteristics of alumina nanoparticles for the removal of hazardous dye, Orange G from aqueous solutions. Arabian Journal of Chemistry, 2019, 12, 5339-5354.	2.3	131
5	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.	3.3	130
6	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.	2.3	118
7	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.	2.6	107
8	Kinetic, equilibrium, thermodynamic studies and spectroscopic analysis of Alizarin Red S removal by mustard husk. Journal of Environmental Chemical Engineering, 2013, 1, 1283-1291.	3.3	103
9	Removal of Ni(II) by magnetic nanoparticles. Journal of Molecular Liquids, 2015, 204, 60-69.	2.3	101
10	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.	3.3	93
11	Advances and perspective in bioremediation of polychlorinated biphenyl-contaminated soils. Environmental Science and Pollution Research, 2018, 25, 16355-16375.	2.7	77
12	Rapid scavenging of methylene blue dye from a liquid phase by adsorption on alumina nanoparticles. RSC Advances, 2015, 5, 14425-14440.	1.7	66
13	Biochar for remediation of agrochemicals and synthetic organic dyes from environmental samples: A review. Chemosphere, 2021, 272, 129917.	4.2	57
14	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.	4.2	56
15	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.	3.3	46
16	Copper adsorption onto synthesized nitrilotriacetic acid functionalized Fe3O4 nanoparticles: kinetic, equilibrium and thermodynamic studies. Journal of Environmental Chemical Engineering, 2015, 3, 2161-2171.	3.3	41
17	Green synthesis, activation and functionalization of adsorbents for dye sequestration. Environmental Chemistry Letters, 2019, 17, 157-193.	8.3	38
18	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.	1.9	38

#	Article	IF	Citations
19	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.	3.3	33
20	Nanoscale materials-based hybrid frameworks modified electrochemical biosensors for early cancer diagnostics: An overview of current trends and challenges. Microchemical Journal, 2022, 172, 106980.	2.3	31
21	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.	2.3	30
22	Nanoscale layered double hydroxide modified hybrid nanomaterials for wastewater treatment: A review. Journal of Molecular Liquids, 2022, 350, 118505.	2.3	29
23	Biosorption of Heavy Metals: Recent Trends and Challenges. , 2013, , 305-322.		22
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, 337-342.	1.5	17
25	Study on adsorption behavior of Acid Orange 10 onto modified wheat husk. Desalination and Water Treatment, 2016, 57, 12302-12315.	1.0	16
26	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.	2.7	16
27	Functionalized Magnetic Nanoparticles for Environmental Remediation. Advances in Chemical and Materials Engineering Book Series, 2015, , 518-551.	0.2	12
28	Thermodynamic and transport properties of sodium dodecylbenzenesulphonate (SDBS) in aqueous medium over the temperature range 298.15K to 333.15K. Journal of Molecular Liquids, 2014, 191, 107-110.	2.3	10
29	Kinetics and Equilibrium Isotherm Modeling: Graphene-Based Nanomaterials for the Removal of Heavy Metals From Water. , 2016, , 79-109.		10
30	Density, Viscosity, Thermal Expansion Coefficients and Heat Capacity Ratios of an Environmentally Hazardous Dye Tartrazine in Aqueous Solutions in the Temperature Range 293.15â€“333.15ÂK. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2015, 85, 35-39.	0.8	7
31	Graphene oxide supported Fe₃O₄-MnO₂ nanocomposites for adsorption and photocatalytic degradation of dyestuff: ultrasound effect, surfactants role and real sample analysis. International Journal of Environmental Analytical Chemistry, 0, , 1-27.	1.8	7
32	Adsorptive removal of toxic dyes from aqueous phase using notorious weed Lantana camara (Linn.) as biosorbent. Research on Chemical Intermediates, 2016, 42, 5677-5708.	1.3	5
33	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.	0.2	5
34	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.	0.8	4
35	Remediation Technologies for Water Cleanup: New Trends. , 2016, , 19-32.		3
36	Carbon Sequestration in Terrestrial Ecosystems. Environmental Chemistry for A Sustainable World, 2015, , 99-131.	0.3	3

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37	Recent Trends and Advancement in Nanotechnology for Water and Wastewater Treatment. Advances in Civil and Industrial Engineering Book Series, 2016, , 208-252.	0.2	3
38	Synthesis of microporous takovite and its environmental application:. Journal of Molecular Liquids, 2015, 209, 759-766.	2.3	2
39	Estimation of Thermal Expansion Coefficients of 1-Butyl-3-methylimidazolium HexafluorophosphateÂ+ÂPoly(ethylene glycol) from Density Data in the Temperature Range (313.15â€“363.15ÂK). The National Academy of Sciences, India, 2015, 38, 153-156.	0.8	2
40	Nanotechnology for Water Cleanup. , 2016, , 1-18.		2
41	Graphene-Based Nanocomposites as Nanosorbents. , 2016, , 49-78.		2
42	Functionalized Magnetic Nanoparticles for Environmental Remediation. , 2017, , 705-741.		2
43	Recent Trends and Advancement in Nanotechnology for Water and Wastewater Treatment. , 2017, , 1745-1779.		1
44	Perovskite of Ba_{0.2}Sr_{0.8}Ni_{0.8}Fe_{0.2}O_{3-Î´}as 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.	0.2	0
45	Sorption of Dyes on Graphene-Based Nanocomposites. , 2016, , 111-138.		0