

Ravindra Kumar Gautam

List of Publications by Year in descending order

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45
papers

2,304
citations

304368

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360668

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48
docs citations

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times ranked

2893
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale materials-based hybrid frameworks modified electrochemical biosensors for early cancer diagnostics: An overview of current trends and challenges. <i>Microchemical Journal</i> , 2022, 172, 106980.	2.3	31
2	Nanoscale layered double hydroxide modified hybrid nanomaterials for wastewater treatment: A review. <i>Journal of Molecular Liquids</i> , 2022, 350, 118505.	2.3	29
3	Ultrasound-enhanced remediation of toxic dyes from wastewater by activated carbon-doped magnetic nanocomposites: analysis of real wastewater samples and surfactant effect. <i>Environmental Science and Pollution Research</i> , 2021, 28, 36680-36694.	2.7	16
4	Development of g-C3N4/Cu-DTO MOF nanocomposite based electrochemical sensor towards sensitive determination of an endocrine disruptor BPSIP. <i>Journal of Electroanalytical Chemistry</i> , 2021, 887, 115170.	1.9	38
5	Biochar for remediation of agrochemicals and synthetic organic dyes from environmental samples: A review. <i>Chemosphere</i> , 2021, 272, 129917.	4.2	57
6	Humic acid functionalized magnetic nanomaterials for remediation of dye wastewater under ultrasonication: Application in real water samples, recycling and reuse of nanosorbents. <i>Chemosphere</i> , 2020, 245, 125553.	4.2	56
7	Green synthesis, activation and functionalization of adsorbents for dye sequestration. <i>Environmental Chemistry Letters</i> , 2019, 17, 157-193.	8.3	38
8	Adsorption characteristics of alumina nanoparticles for the removal of hazardous dye, Orange G from aqueous solutions. <i>Arabian Journal of Chemistry</i> , 2019, 12, 5339-5354.	2.3	131
9	Advances and perspective in bioremediation of polychlorinated biphenyl-contaminated soils. <i>Environmental Science and Pollution Research</i> , 2018, 25, 16355-16375.	2.7	77
10	Adsorptive Removal of Alizarin Red S by a Novel Biosorbent of an Invasive Weed <i>Mikania micrantha</i> . <i>The National Academy of Sciences, India</i> , 2017, 40, 113-116.	0.8	4
11	Synthesis of copper coordinated dithiooxamide metal organic framework and its performance assessment in the adsorptive removal of tartrazine from water. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 328-340.	3.3	33
12	Functionalized Magnetic Nanoparticles for Environmental Remediation. , 2017, , 705-741.		2
13	Recent Trends and Advancement in Nanotechnology for Water and Wastewater Treatment. , 2017, , 1745-1779.		1
14	Kinetics and Equilibrium Isotherm Modeling: Graphene-Based Nanomaterials for the Removal of Heavy Metals From Water. , 2016, , 79-109.		10
15	Sorption of Dyes on Graphene-Based Nanocomposites. , 2016, , 111-138.		0
16	Nanotechnology for Water Cleanup. , 2016, , 1-18.		2
17	Graphene-Based Nanocomposites as Nanosorbents. , 2016, , 49-78.		2
18	Remediation Technologies for Water Cleanup: New Trends. , 2016, , 19-32.		3

#	ARTICLE	IF	CITATIONS
19	Polymer functionalized nanocomposites for metals removal from water and wastewater: An overview. <i>Water Research</i> , 2016, 92, 22-37.	5.3	289
20	Removal of Malachite Green, a hazardous dye from aqueous solutions using <i>Avena sativa</i> (oat) hull as a potential adsorbent. <i>Journal of Molecular Liquids</i> , 2016, 213, 162-172.	2.3	118
21	Adsorptive removal of toxic dyes from aqueous phase using notorious weed <i>Lantana camara</i> (Linn.) as biosorbent. <i>Research on Chemical Intermediates</i> , 2016, 42, 5677-5708.	1.3	5
22	Study on adsorption behavior of Acid Orange 10 onto modified wheat husk. <i>Desalination and Water Treatment</i> , 2016, 57, 12302-12315.	1.0	16
23	Recent Trends and Advancement in Nanotechnology for Water and Wastewater Treatment. <i>Advances in Civil and Industrial Engineering Book Series</i> , 2016, , 208-252.	0.2	3
24	Synthesis of microporous takovite and its environmental application. <i>Journal of Molecular Liquids</i> , 2015, 209, 759-766.	2.3	2
25	Removal of tartrazine by activated carbon biosorbents of <i>Lantana camara</i> : Kinetics, equilibrium modeling and spectroscopic analysis. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 79-88.	3.3	130
26	Removal of Ni(II) by magnetic nanoparticles. <i>Journal of Molecular Liquids</i> , 2015, 204, 60-69.	2.3	101
27	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. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2015, 85, 35-39.	0.8	7
28	Copper adsorption onto synthesized nitrilotriacetic acid functionalized Fe ₃ O ₄ nanoparticles: kinetic, equilibrium and thermodynamic studies. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 2161-2171.	3.3	41
29	Rapid scavenging of methylene blue dye from a liquid phase by adsorption on alumina nanoparticles. <i>RSC Advances</i> , 2015, 5, 14425-14440.	1.7	66
30	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). <i>The National Academy of Sciences, India</i> , 2015, 38, 153-156.	0.8	2
31	Perovskite of Ba _{0.2} Sr _{0.8} Ni _{0.8} Fe _{0.2} O _{3-δ} as a cathode material for intermediate temperature solid oxide fuel cell (IT-SOFC): Electrochemical performance and micro-structural characteristics. <i>Asian Journal of Research in Chemistry</i> , 2015, 8, 190.	0.2	0
32	Synthesis of bimetallic Fe–Zn nanoparticles and its application towards adsorptive removal of carcinogenic dye malachite green and Congo red in water. <i>Journal of Molecular Liquids</i> , 2015, 212, 227-236.	2.3	135
33	Preparation of activated carbon from Alligator weed (<i>Alternanthera philoxeroides</i>) and its application for tartrazine removal: Isotherm, kinetics and spectroscopic analysis. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 2560-2568.	3.3	46
34	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. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 2281-2291.	3.3	93
35	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. <i>Journal of Molecular Liquids</i> , 2015, 202, 52-61.	2.3	30
36	Carbon Sequestration in Terrestrial Ecosystems. <i>Environmental Chemistry for A Sustainable World</i> , 2015, , 99-131.	0.3	3

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37	Functionalized Magnetic Nanoparticles for Environmental Remediation. Advances in Chemical and Materials Engineering Book Series, 2015, , 518-551.	0.2	12
38	A Study on La _{0.6} Sr _{0.4} Co _{0.3} Fe _{0.8} O ₃ (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
39	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
40	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
41	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
42	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
43	Biosorption of Heavy Metals: Recent Trends and Challenges. , 2013, , 305-322.		22
44	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
45	Graphene oxide supported Fe ₃ O ₄ -MnO ₂ 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