

# Ravindra Kumar Gautam

## 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.

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	Nanoscale layered double hydroxide modified hybrid nanomaterials for wastewater treatment: A review. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 350, 118505	6	2
45	Nanoscale materials-based hybrid frameworks modified electrochemical biosensors for early cancer diagnostics: An overview of current trends and challenges. <i>Microchemical Journal</i> , <b>2022</b> , 172, 106980	4.8	4
44	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> , <b>2021</b> , 28, 36680-36694	5.1	2
43	Development of g-C <sub>3</sub> N <sub>4</sub> /Cu-DTO MOF nanocomposite based electrochemical sensor towards sensitive determination of an endocrine disruptor BPSIP. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 887, 115170	4.1	7
42	Biochar for remediation of agrochemicals and synthetic organic dyes from environmental samples: A review.. <i>Chemosphere</i> , <b>2021</b> , 272, 129917	8.4	19
41	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> , <b>2020</b> , 245, 125553	8.4	29
40	Green synthesis, activation and functionalization of adsorbents for dye sequestration. <i>Environmental Chemistry Letters</i> , <b>2019</b> , 17, 157-193	13.3	28
39	Adsorption characteristics of alumina nanoparticles for the removal of hazardous dye, Orange G from aqueous solutions. <i>Arabian Journal of Chemistry</i> , <b>2019</b> , 12, 5339-5354	5.9	82
38	Advances and perspective in bioremediation of polychlorinated biphenyl-contaminated soils. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 16355-16375	5.1	49
37	Adsorptive Removal of Alizarin Red S by a Novel Biosorbent of an Invasive Weed Mikania micrantha. <i>The National Academy of Sciences, India</i> , <b>2017</b> , 40, 113-116	0.6	3
36	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> , <b>2017</b> , 5, 328-340	6.8	23
35	Functionalized Magnetic Nanoparticles for Environmental Remediation <b>2017</b> , 705-741		1
34	Recent Trends and Advancement in Nanotechnology for Water and Wastewater Treatment <b>2017</b> , 1745-1779		
33	Study on adsorption behavior of Acid Orange 10 onto modified wheat husk. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 12302-12315		10
32	Polymer functionalized nanocomposites for metals removal from water and wastewater: An overview. <i>Water Research</i> , <b>2016</b> , 92, 22-37	12.5	233
31	Removal of Malachite Green, a hazardous dye from aqueous solutions using Avena sativa (oat) hull as a potential adsorbent. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 213, 162-172	6	80
30	Adsorptive removal of toxic dyes from aqueous phase using notorious weed Lantana camara (Linn.) as biosorbent. <i>Research on Chemical Intermediates</i> , <b>2016</b> , 42, 5677-5708	2.8	5

29	Recent Trends and Advancement in Nanotechnology for Water and Wastewater Treatment. <i>Advances in Civil and Industrial Engineering Book Series, 2016, 208-252</i>	0.5	1
28	Kinetics and Equilibrium Isotherm Modeling: Graphene-Based Nanomaterials for the Removal of Heavy Metals From Water <b>2016, 79-109</b>		9
27	Sorption of Dyes on Graphene-Based Nanocomposites <b>2016, 111-138</b>		
26	Nanotechnology for Water Cleanup <b>2016, 1-18</b>		2
25	Graphene-Based Nanocomposites as Nanosorbents <b>2016, 49-78</b>		2
24	Remediation Technologies for Water Cleanup: New Trends <b>2016, 19-32</b>		1
23	Copper adsorption onto synthesized nitrilotriacetic acid functionalized Fe <sub>3</sub> O <sub>4</sub> nanoparticles: kinetic, equilibrium and thermodynamic studies. <i>Journal of Environmental Chemical Engineering, 2015, 3, 2161-2171</i>	6.8	34
22	Rapid scavenging of methylene blue dye from a liquid phase by adsorption on alumina nanoparticles. <i>RSC Advances, 2015, 5, 14425-14440</i>	3.7	55
21	Estimation of Thermal Expansion Coefficients of 1-Butyl-3-methylimidazolium Hexafluorophosphate + Poly(ethylene glycol) from Density Data in the Temperature Range (313.15B63.15 K). <i>The National Academy of Sciences, India, 2015, 38, 153-156</i>	0.6	2
20	Perovskite of Ba <sub>0.2</sub> Sr <sub>0.8</sub> Ni <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-δ</sub> is 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, 2015, 8, 190</i>	1.8	
19	Synthesis of bimetallic Fe <sub>2</sub> N nanoparticles and its application towards adsorptive removal of carcinogenic dye malachite green and Congo red in water. <i>Journal of Molecular Liquids, 2015, 212, 227-236</i>	6	109
18	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, 2015, 3, 2560-2568</i>	6.8	37
17	Synthesis and characterization of a novel SnFe <sub>2</sub> O <sub>4</sub> @activated carbon magnetic nanocomposite and its effectiveness in the removal of crystal violet from aqueous solution. <i>Journal of Environmental Chemical Engineering, 2015, 3, 2281-2291</i>	6.8	58
16	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, 2015, 202, 52-61</i>	6	26
15	Synthesis of microporous takovite and its environmental application:. <i>Journal of Molecular Liquids, 2015, 209, 759-766</i>	6	1
14	Removal of tartrazine by activated carbon biosorbents of Lantana camara: Kinetics, equilibrium modeling and spectroscopic analysis. <i>Journal of Environmental Chemical Engineering, 2015, 3, 79-88</i>	6.8	92
13	Removal of Ni(II) by magnetic nanoparticles. <i>Journal of Molecular Liquids, 2015, 204, 60-69</i>	6	83
12	Density, Viscosity, Thermal Expansion Coefficients and Heat Capacity Ratios of an Environmentally Hazardous Dye Tartrazine in Aqueous Solutions in the Temperature Range 293.15B33.15 K. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2015, 85, 35-39</i>	0.9	6

11	Functionalized Magnetic Nanoparticles for Environmental Remediation. <i>Advances in Chemical and Materials Engineering Book Series</i> , <b>2015</b> , 518-551	0.2	8
10	A Study on La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.3</sub> Fe <sub>0.8</sub> O <sub>3</sub> (LSCF) Cathode Material Prepared by Gel Combustion Method for IT-SOFCs: Spectroscopic, Electrochemical and Microstructural Analysis. <i>Asian Journal of Research in Chemistry</i> , <b>2015</b> , 8, 389	1.8	5
9	Carbon Sequestration in Terrestrial Ecosystems. <i>Environmental Chemistry for A Sustainable World</i> , <b>2015</b> , 99-131	0.8	1
8	Degradation of Di- Through Hepta-Chlorobiphenyls in Clophen Oil Using Microorganisms Isolated from Long Term PCBs Contaminated Soil. <i>Indian Journal of Microbiology</i> , <b>2014</b> , 54, 337-42	3.7	8
7	Biomass-derived biosorbents for metal ions sequestration: Adsorbent modification and activation methods and adsorbent regeneration. <i>Journal of Environmental Chemical Engineering</i> , <b>2014</b> , 2, 239-259	6.8	301
6	Functionalized Magnetic Nanoparticles for Heavy Metal Removal from Aqueous Solutions: Kinetics and Equilibrium Modeling <b>2014</b> , 291-331		1
5	Layered Double Hydroxides and the Environment: An Overview <b>2014</b> , 1-26		2
4	Citric acid coated magnetic nanoparticles: Synthesis, characterization and application in removal of Cd(II) ions from aqueous solution. <i>Journal of Water Process Engineering</i> , <b>2014</b> , 4, 233-241	6.7	72
3	Thermodynamic and transport properties of sodium dodecylbenzenesulphonate (SDBS) in aqueous medium over the temperature range 298.15 K to 333.15 K. <i>Journal of Molecular Liquids</i> , <b>2014</b> , 191, 107-110	6	8
2	Biosorption of Heavy Metals: Recent Trends and Challenges <b>2013</b> , 305-322		15
1	Kinetic, equilibrium, thermodynamic studies and spectroscopic analysis of Alizarin Red S removal by mustard husk. <i>Journal of Environmental Chemical Engineering</i> , <b>2013</b> , 1, 1283-1291	6.8	83