

# Lakshmi Prasanna Lingamdinne

## List of Publications by Year in descending order

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41  
papers

2,233  
citations

257450

24  
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315739

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41  
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41  
docs citations

41  
times ranked

2171  
citing authors

#	ARTICLE	IF	CITATIONS
1	Predictive capability evaluation and optimization of Pb(II) removal by reduced graphene oxide-based inverse spinel nickel ferrite nanocomposite. <i>Environmental Research</i> , 2022, 204, 112029.	7.5	44
2	Magnetic-watermelon rinds biochar for uranium-contaminated water treatment using an electromagnetic semi-batch column with removal mechanistic investigations. <i>Chemosphere</i> , 2022, 286, 131776.	8.2	70
3	Biopolymer mixture-entrapped modified graphene oxide for sustainable treatment of heavy metal contaminated real surface water. <i>Journal of Water Process Engineering</i> , 2022, 46, 102631.	5.6	20
4	Portable SA/CMC entrapped bimetallic magnetic fly ash zeolite spheres for heavy metals contaminated industrial effluents treatment via batch and column studies. <i>Scientific Reports</i> , 2022, 12, 3430.	3.3	18
5	Synthesis and characterization of hexagonal Mg Fe layered double hydroxide/grapheme oxide nanocomposite for efficient adsorptive removal of cadmium ion from aqueous solutions: Isotherm, kinetic, thermodynamic and mechanism. <i>Journal of Water Process Engineering</i> , 2022, 47, 102746.	5.6	39
6	Highly efficient surface sequestration of Pb <sup>2+</sup> and Cr <sup>3+</sup> from water using a Mn <sub>3</sub> O <sub>4</sub> anchored reduced graphene oxide: Selective removal of Pb <sup>2+</sup> from real water. <i>Chemosphere</i> , 2022, 299, 134457.	8.2	30
7	Facile synthesis of economical feasible fly ash-based zeolite-supported nano zerovalent iron and nickel bimetallic composite for the potential removal of heavy metals from industrial effluents. <i>Chemosphere</i> , 2021, 267, 128889.	8.2	71
8	Potential of the magnetic hollow sphere nanocomposite (graphene oxide-gadolinium oxide) for arsenic removal from real field water and antimicrobial applications. <i>Journal of Hazardous Materials</i> , 2021, 402, 123882.	12.4	52
9	Facile synthesis of lanthanum hydroxide doped graphene oxide for scavenged of radioactive and heavy elements from water. <i>Synthetic Metals</i> , 2021, 273, 116691.	3.9	10
10	Potential electromagnetic column treatment of heavy metal contaminated water using porous Gd <sub>2</sub> O <sub>3</sub> -doped graphene oxide nanocomposite: Characterization and surface interaction mechanisms. <i>Journal of Water Process Engineering</i> , 2021, 41, 102083.	5.6	25
11	Evaluation of surface phenomena of magnetic biomass for dye removal via surface modeling. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105953.	6.7	9
12	Encapsulated zerovalent iron/nickel-fly ash zeolite foam for treating industrial wastewater contaminated by heavy metals. <i>Materials Today Chemistry</i> , 2021, 22, 100577.	3.5	14
13	Polyvinyl Alcohol Polymer Functionalized Graphene Oxide Decorated with Gadolinium Oxide for Sequestration of Radionuclides from Aqueous Medium: Characterization, Mechanism, and Environmental Feasibility Studies. <i>Polymers</i> , 2021, 13, 3835.	4.5	13
14	Process optimization and modeling of lead removal using iron oxide nanocomposites generated from bio-waste mass. <i>Chemosphere</i> , 2020, 243, 125257.	8.2	84
15	Process modeling and optimization of an iron oxide immobilized graphene oxide gadolinium nanocomposite for arsenic adsorption. <i>Journal of Molecular Liquids</i> , 2020, 299, 112261.	4.9	47
16	Fabrication of chitosan/graphene oxide-gadolinium nanorods as a novel nanocomposite for arsenic removal from aqueous solutions. <i>Journal of Molecular Liquids</i> , 2020, 320, 114410.	4.9	40
17	Facile Synthesis, Characterization, and Adsorption Insights of Lanthanum Oxide Nanorods. <i>Metals</i> , 2020, 10, 1001.	2.3	6
18	Recent Strategies on Adsorptive Removal of Precious Metals and Rare Earths Using Low-Cost Natural Adsorbents. , 2020, , 87-109.		5

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19	Green Activated Magnetic Graphitic Carbon Oxide and Its Application for Hazardous Water Pollutants Removal. <i>Metals</i> , 2019, 9, 935.	2.3	5
20	Facile synthesis of flowered mesoporous graphene oxide-lanthanum fluoride nanocomposite for adsorptive removal of arsenic. <i>Journal of Molecular Liquids</i> , 2019, 279, 32-42.	4.9	54
21	Removal of U(VI) by sugar-based magnetic pseudo-graphene oxide and its application to authentic groundwater using electromagnetic system. <i>Environmental Science and Pollution Research</i> , 2019, 26, 22323-22337.	5.3	21
22	A comprehensive review of applications of magnetic graphene oxide based nanocomposites for sustainable water purification. <i>Journal of Environmental Management</i> , 2019, 231, 622-634.	7.8	253
23	Process optimization and adsorption modeling of Pb(II) on nickel ferrite-reduced graphene oxide nano-composite. <i>Journal of Molecular Liquids</i> , 2018, 250, 202-211.	4.9	129
24	Effective adsorptive removal of 2,4,6-trinitrotoluene and hexahydro-1,3,5-trinitro-1,3,5-triazine by pseudographitic carbon: kinetics, equilibrium and thermodynamics. <i>Environmental Chemistry</i> , 2018, 15, 100.	1.5	15
25	Multivariate modeling via artificial neural network applied to enhance methylene blue sorption using graphene-like carbon material prepared from edible sugar. <i>Journal of Molecular Liquids</i> , 2018, 265, 416-427.	4.9	58
26	Adsorptive Removal of Selected Anionic and Cationic Dyes by Using Graphitic Carbon Material Prepared from Edible Sugar: A Study of Kinetics and Isotherms. <i>Acta Chimica Slovenica</i> , 2018, 65, 599-610.	0.6	8
27	Preparation and characterization of porous reduced graphene oxide based inverse spinel nickel ferrite nanocomposite for adsorption removal of radionuclides. <i>Journal of Hazardous Materials</i> , 2017, 326, 145-156.	12.4	188
28	Degradation and Mechanism of Methyl Orange by Nanometallic Particles Under a Fenton-Like Process. <i>Environmental Engineering Science</i> , 2017, 34, 350-356.	1.6	4
29	Effect of pH values on recovery of nano particles (NPs) from the fine fraction of automobile shredder residue (ASR): An application of NPs for phenol removal from the water. <i>Chemical Engineering Research and Design</i> , 2017, 105, 51-59.	5.6	6
30	Biogenic reductive preparation of magnetic inverse spinel iron oxide nanoparticles for the adsorption removal of heavy metals. <i>Chemical Engineering Journal</i> , 2017, 307, 74-84.	12.7	226
31	Enhanced Adsorption Removal of Pb(II) and Cr(III) by Using Nickel Ferrite-Reduced Graphene Oxide Nanocomposite. <i>Metals</i> , 2017, 7, 225.	2.3	45
32	Effective removal of bisphenol A (BPA) from water using a goethite/activated carbon composite. <i>Chemical Engineering Research and Design</i> , 2016, 103, 87-96.	5.6	77
33	Porous graphene oxide based inverse spinel nickel ferrite nanocomposites for the enhanced adsorption removal of arsenic. <i>RSC Advances</i> , 2016, 6, 73776-73789.	3.6	57
34	Mechanism and comparison of needle-type non-thermal direct and indirect atmospheric pressure plasma jets on the degradation of dyes. <i>Scientific Reports</i> , 2016, 6, 34419.	3.3	71
35	Low-cost magnetized <i>Lonicera japonica</i> flower biomass for the sorption removal of heavy metals. <i>Hydrometallurgy</i> , 2016, 165, 81-89.	4.3	42
36	Studies on removal of Pb(II) and Cr(III) using graphene oxide based inverse spinel nickel ferrite nano-composite as sorbent. <i>Hydrometallurgy</i> , 2016, 165, 64-72.	4.3	149

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37	Adsorption removal of Co(II) from waste-water using graphene oxide. Hydrometallurgy, 2016, 165, 90-96.	4.3	140
38	Factors affect on bioremediation of Co(II) and Pb(II) onto <i>Lonicera japonica</i> flowers powder. Desalination and Water Treatment, 2016, 57, 13066-13080.	1.0	18
39	Influencing factors on sorption of TNT and RDX using rice husk biochar. Journal of Industrial and Engineering Chemistry, 2015, 32, 178-186.	5.8	44
40	Enhanced Extraction and Separation of Zr(IV) and Hf(IV) from Acidic Chloride Solutions Using 4-Sebacoylbis(1-phenyl-3-methyl-5-pyrazolone) in Presence of Crown Ethers. Asian Journal of Chemistry, 2014, 26, 6885-6890.	0.3	0
41	Green Synthesis of Iron Oxide Nanoparticles for Lead Removal from Aqueous Solutions. Key Engineering Materials, 0, 805, 122-127.	0.4	26