

A Nayak

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

7,731
citations

279487

23
h-index

433756

31
g-index

34
all docs

34
docs citations

34
times ranked

8387
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of chitosan-hydroxyapatite nano-adsorbent for removal of norfloxacin from water: Isotherm and kinetic studies. <i>Materials Today: Proceedings</i> , 2022, 61, 143-149.	0.9	9
2	Wetland Ecosystems and Their Relevance to the Environment. Impact of Meat Consumption on Health and Environmental Sustainability, 2022, , 1-16.	0.4	1
3	Nano-Bioremediation Technologies for Potential Application in Soil Reclamation. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2021, , 510-529.	0.3	0
4	Nanomaterials for Energy Harvesting and Storage. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2021, , 188-203.	0.2	3
5	Sustainable Solid Waste Management via Biological Treatment. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2021, , 248-271.	0.3	0
6	Fabrication of microwave assisted biogenic magnetite-biochar nanocomposite: A green adsorbent from jackfruit peel for removal and recovery of nutrients in water sample. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 100, 134-148.	2.9	16
7	An overview of the recent trends on the waste valorization techniques for food wastes. <i>Journal of Environmental Management</i> , 2019, 233, 352-370.	3.8	261
8	Valorisation potential of Cabernet grape pomace for the recovery of polyphenols: Process intensification, optimisation and study of kinetics. <i>Food and Bioproducts Processing</i> , 2018, 109, 74-85.	1.8	70
9	Recovery of polyphenols onto porous carbons developed from exhausted grape pomace: A sustainable approach for the treatment of wine wastewaters. <i>Water Research</i> , 2018, 145, 741-756.	5.3	42
10	Study of interaction and adsorption of aromatic amines by manganese oxides and their role in chemical evolution. <i>International Journal of Astrobiology</i> , 2017, 16, 143-155.	0.9	2
11	Chemically activated carbon from lignocellulosic wastes for heavy metal wastewater remediation: Effect of activation conditions. <i>Journal of Colloid and Interface Science</i> , 2017, 493, 228-240.	5.0	172
12	Role of manganese oxides in peptide synthesis: implication in chemical evolution. <i>International Journal of Astrobiology</i> , 2017, 16, 360-367.	0.9	3
13	Development of a green and sustainable clean up system from grape pomace for heavy metal remediation. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 4342-4353.	3.3	20
14	A Critical Analysis on the Efficiency of Activated Carbons from Low-Cost Precursors for Heavy Metals Remediation. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 613-668.	6.6	91
15	Potential of activated carbon from waste rubber tire for the adsorption of phenolics: Effect of pre-treatment conditions. <i>Journal of Colloid and Interface Science</i> , 2014, 417, 420-430.	5.0	409
16	Biosorption and Reuse Potential of a Blue Green Alga for the Removal of Hazardous Reactive Dyes from Aqueous Solutions. <i>Bioremediation Journal</i> , 2014, 18, 179-191.	1.0	40
17	Removal of Ni (II) ions from water using scrap tire. <i>Journal of Molecular Liquids</i> , 2014, 190, 215-222.	2.3	121
18	Toxic metal ions in water and their prevalence in Uttarakhand, India. <i>Water Science and Technology: Water Supply</i> , 2012, 12, 773-782.	1.0	8

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19	Enhanced heavy metals removal and recovery by mesoporous adsorbent prepared from waste rubber tire. <i>Chemical Engineering Journal</i> , 2012, 197, 330-342.	6.6	105
20	Arsenic speciation analysis and remediation techniques in drinking water. <i>Desalination and Water Treatment</i> , 2012, 40, 231-243.	1.0	31
21	Chemical treatment technologies for waste-water recycling—an overview. <i>RSC Advances</i> , 2012, 2, 6380.	1.7	1,313
22	Advanced and Hyphenated Techniques for Nano-Level Analysis of Iron in Water. <i>Critical Reviews in Analytical Chemistry</i> , 2012, 42, 245-256.	1.8	8
23	Cadmium removal and recovery from aqueous solutions by novel adsorbents prepared from orange peel and Fe ₂ O ₃ nanoparticles. <i>Chemical Engineering Journal</i> , 2012, 180, 81-90.	6.6	835
24	Photodegradation of hazardous dye quinoline yellow catalyzed by TiO ₂ . <i>Journal of Colloid and Interface Science</i> , 2012, 366, 135-140.	5.0	98
25	Photo-catalytic degradation of toxic dye amaranth on TiO ₂ /UV in aqueous suspensions. <i>Materials Science and Engineering C</i> , 2012, 32, 12-17.	3.8	664
26	Pesticides removal from waste water by activated carbon prepared from waste rubber tire. <i>Water Research</i> , 2011, 45, 4047-4055.	5.3	352
27	Electrochemical Analysis of Some Toxic Metals by Ion-Selective Electrodes. <i>Critical Reviews in Analytical Chemistry</i> , 2011, 41, 282-313.	1.8	550
28	Removal of the hazardous dye—Tartrazine by photodegradation on titanium dioxide surface. <i>Materials Science and Engineering C</i> , 2011, 31, 1062-1067.	3.8	773
29	A comparative investigation on adsorption performances of mesoporous activated carbon prepared from waste rubber tire and activated carbon for a hazardous azo dye—Acid Blue 113. <i>Journal of Hazardous Materials</i> , 2011, 186, 891-901.	6.5	588
30	Equilibrium and Thermodynamic Studies on the Removal and Recovery of Safranin-T Dye from Industrial Effluents. <i>Separation Science and Technology</i> , 2011, 46, 839-846.	1.3	69
31	Adsorption studies on the removal of hexavalent chromium from aqueous solution using a low cost fertilizer industry waste material. <i>Journal of Colloid and Interface Science</i> , 2010, 342, 135-141.	5.0	520
32	Biosorption of nickel onto treated alga (<i>Oedogonium hatei</i>): Application of isotherm and kinetic models. <i>Journal of Colloid and Interface Science</i> , 2010, 342, 533-539.	5.0	436
33	Adsorption-desorption studies of indigocarmine from industrial effluents by using deoiled mustard and its comparison with charcoal. <i>Journal of Colloid and Interface Science</i> , 2010, 348, 628-633.	5.0	59
34	Equilibrium and Thermodynamic Studies on the Adsorption of the Dye Tartrazine onto Waste Coconut Husks-Carbon and Activated Carbon. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 5083-5090.	1.0	62