A Nayak

List of Publications by Year
in descending order

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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	Chemical treatment technologies for waste-water recyclingâ€"an overview. RSC Advances, 2012, 2, 6380.	1.7	1,313
2	Cadmium removal and recovery from aqueous solutions by novel adsorbents prepared from orange peel and Fe2O3 nanoparticles. Chemical Engineering Journal, 2012, 180, 81-90.	6.6	835
3	Removal of the hazardous dyeâ€"Tartrazine by photodegradation on titanium dioxide surface. Materials Science and Engineering C, 2011, 31, 1062-1067.	3.8	773
4	Photo-catalytic degradation of toxic dye amaranth on TiO2/UV in aqueous suspensions. Materials Science and Engineering C, 2012, 32, 12-17.	3.8	664
5	A comparative investigation on adsorption performances of mesoporous activated carbon prepared from waste rubber tire and activated carbon for a hazardous azo dyeâ€"Acid Blue 113. Journal of Hazardous Materials, 2011, 186, 891-901.	6.5	588
6	Electrochemical Analysis of Some Toxic Metals by Ionâ€"Selective Electrodes. Critical Reviews in Analytical Chemistry, 2011, 41, 282-313.	1.8	550
7	Adsorption studies on the removal of hexavalent chromium from aqueous solution using a low cost fertilizer industry waste material. Journal of Colloid and Interface Science, 2010, 342, 135-141.	5.0	520
8	Biosorption of nickel onto treated alga (Oedogonium hatei): Application of isotherm and kinetic models. Journal of Colloid and Interface Science, 2010, 342, 533-539.	5.0	436
9	Potential of activated carbon from waste rubber tire for the adsorption of phenolics: Effect of pre-treatment conditions. Journal of Colloid and Interface Science, 2014, 417, 420-430.	5.0	409
10	Pesticides removal from waste water by activated carbon prepared from waste rubber tire. Water Research, 2011, 45, 4047-4055.	5.3	352
11	An overview of the recent trends on the waste valorization techniques for food wastes. Journal of Environmental Management, 2019, 233, 352-370.	3.8	261
12	Chemically activated carbon from lignocellulosic wastes for heavy metal wastewater remediation: Effect of activation conditions. Journal of Colloid and Interface Science, 2017, 493, 228-240.	5.0	172
13	Removal of Ni (II) ions from water using scrap tire. Journal of Molecular Liquids, 2014, 190, 215-222.	2.3	121
14	Enhanced heavy metals removal and recovery by mesoporous adsorbent prepared from waste rubber tire. Chemical Engineering Journal, 2012, 197, 330-342.	6.6	105
15	Photodegradation of hazardous dye quinoline yellow catalyzed by TiO2. Journal of Colloid and Interface Science, 2012, 366, 135-140.	5.0	98
16	A Critical Analysis on the Efficiency of Activated Carbons from Low-Cost Precursors for Heavy Metals Remediation. Critical Reviews in Environmental Science and Technology, 2015, 45, 613-668.	6.6	91
17	Valorisation potential of Cabernet grape pomace for the recovery of polyphenols: Process intensification, optimisation and study of kinetics. Food and Bioproducts Processing, 2018, 109, 74-85.	1.8	70
18	Equilibrium and Thermodynamic Studies on the Removal and Recovery of Safranine-T Dye from Industrial Effluents. Separation Science and Technology, 2011, 46, 839-846.	1.3	69

#	Article	IF	Citations
19	Equilibrium and Thermodynamic Studies on the Adsorption of the Dye Tartrazine onto Waste â€œCoconut Husksâ€•Carbon and Activated Carbon. Journal of Chemical & Engineering Data, 2010, 55, 5083-5090.	1.0	62
20	Adsorptionâ€“desorption studies of indigocarmine from industrial effluents by using deoiled mustard and its comparison with charcoal. Journal of Colloid and Interface Science, 2010, 348, 628-633.	5.0	59
21	Recovery of polyphenols onto porous carbons developed from exhausted grape pomace: A sustainable approach for the treatment of wine wastewaters. Water Research, 2018, 145, 741-756.	5.3	42
22	Biosorption and Reuse Potential of a Blue Green Alga for the Removal of Hazardous Reactive Dyes from Aqueous Solutions. Bioremediation Journal, 2014, 18, 179-191.	1.0	40
23	Arsenic speciation analysis and remediation techniques in drinking water. Desalination and Water Treatment, 2012, 40, 231-243.	1.0	31
24	Development of a green and sustainable clean up system from grape pomace for heavy metal remediation. Journal of Environmental Chemical Engineering, 2016, 4, 4342-4353.	3.3	20
25	Fabrication of microwave assisted biogenic magnetite-biochar nanocomposite: A green adsorbent from jackfruit peel for removal and recovery of nutrients in water sample. Journal of Industrial and Engineering Chemistry, 2021, 100, 134-148.	2.9	16
26	Fabrication of chitosan-hydroxyapatite nano-adsorbent for removal of norfloxacin from water: Isotherm and kinetic studies. Materials Today: Proceedings, 2022, 61, 143-149.	0.9	9
27	Toxic metal ions in water and their prevalence in Uttarakhand, India. Water Science and Technology: Water Supply, 2012, 12, 773-782.	1.0	8
28	Advanced and Hyphenated Techniques for Nano-Level Analysis of Iron in Water. Critical Reviews in Analytical Chemistry, 2012, 42, 245-256.	1.8	8
29	Role of manganese oxides in peptide synthesis: implication in chemical evolution. International Journal of Astrobiology, 2017, 16, 360-367.	0.9	3
30	Nanomaterials for Energy Harvesting and Storage. Advances in Chemical and Materials Engineering Book Series, 2021, , 188-203.	0.2	3
31	Study of interaction and adsorption of aromatic amines by manganese oxides and their role in chemical evolution. International Journal of Astrobiology, 2017, 16, 143-155.	0.9	2
32	Wetland Ecosystems and Their Relevance to the Environment. Impact of Meat Consumption on Health and Environmental Sustainability, 2022, , 1-16.	0.4	1
33	Nano-Bioremediation Technologies for Potential Application in Soil Reclamation. Advances in Environmental Engineering and Green Technologies Book Series, 2021, , 510-529.	0.3	0
34	Sustainable Solid Waste Management via Biological Treatment. Advances in Environmental Engineering and Green Technologies Book Series, 2021, , 248-271.	0.3	0