

Gautham B Jegadeesan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/730267/publications.pdf>

Version: 2024-02-01

25
papers

927
citations

687363

13
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

1328
citing authors

#	ARTICLE	IF	CITATIONS
1	Arsenic sorption on TiO ₂ nanoparticles: Size and crystallinity effects. <i>Water Research</i> , 2010, 44, 965-973.	11.3	164
2	Influence of trace metal distribution on its leachability from coal fly ash. <i>Fuel</i> , 2008, 87, 1887-1893.	6.4	126
3	Removal of Selenate by Fe and NiFe Nanosized Particles. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 4922-4934.	3.7	97
4	Speciation, Characterization, and Mobility of As, Se, and Hg in Flue Gas Desulphurization Residues. <i>Environmental Science & Technology</i> , 2008, 42, 1693-1698.	10.0	88
5	Comparative evaluation of short-term leach tests for heavy metal release from mineral processing waste. <i>Science of the Total Environment</i> , 2006, 364, 14-23.	8.0	82
6	Process optimization of biodiesel production from Hevea brasiliensis oil using lipase immobilized on spherical silica aerogel. <i>Renewable Energy</i> , 2018, 116, 755-761.	8.9	61
7	Arsenate remediation using nanosized modified zerovalent iron particles. <i>Environmental Progress</i> , 2005, 24, 289-296.	0.7	59
8	Leaching behavior of mineral processing waste: Comparison of batch and column investigations. <i>Journal of Hazardous Materials</i> , 2008, 153, 1088-1092.	12.4	51
9	Green synthesis of iron oxide nanoparticles using Terminalia bellirica and Moringa oleifera fruit and leaf extracts: Antioxidant, antibacterial and thermoacoustic properties. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 21, 101354.	3.1	49
10	Catalytic peroxygen activation by biosynthesized iron nanoparticles for enhanced degradation of Congo red dye. <i>Advanced Powder Technology</i> , 2019, 30, 2890-2899.	4.1	31
11	Adsorption of Se (IV) and Se (VI) Using Copper-Impregnated Activated Carbon and Fly Ash-Extracted Char Carbon. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	2.4	21
12	Investigation of a Mercury Speciation Technique for Flue Gas Desulfurization Materials. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, 972-979.	1.9	19
13	Selenate Removal from Sulfate Containing Aqueous Solutions. <i>Environmental Technology (United Kingdom)</i> , 2002, 23, 1717-1722.	0.784314	17
14	Synthesis of mesoporous materials from bamboo leaf ash and catalytic properties of immobilized lipase for hydrolysis of rubber seed oil. <i>Materials Letters</i> , 2018, 225, 113-116.	2.6	15
15	Biogenic synthesis of Fe and NiFe nanoparticles using Terminalia bellirica extracts for water treatment applications. <i>Materials Letters</i> , 2019, 247, 90-94.	2.6	13
16	Fe-Ni-Doped Graphene Oxide for Uranium Removal—Kinetics and Equilibrium Studies. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	8
17	Examining selenium reduction mechanisms on Ni-Fe bimetallic nanoparticles using non-stationary kinetic modeling. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3895-3902.	6.7	5
18	Comparative studies on catalytic properties of immobilized lipase on low-cost support matrix for transesterification of pinnai oil. <i>Biomass Conversion and Biorefinery</i> , 2018, 8, 69-77.	4.6	5

#	ARTICLE	IF	CITATIONS
19	Biodegradation of Propylene Glycol Wastewater Using Bacterial Consortia Isolated from Municipal Wastewater Treatment Sludge—Process Kinetics and Optimization. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	4
20	Iron Removal and Simultaneous Regeneration of Hexavalent Chromium in Spent Plating Solutions. <i>Journal of the Electrochemical Society</i> , 2005, 152, D26.	2.9	3
21	Selenium reduction on Ni-Fe bimetallic nanoparticles: effect of process variables on reaction rates. , 0, 67, 292-299.		3
22	NiOx modified cellulose cloth for the removal of U(VI) from water. <i>Advanced Powder Technology</i> , 2021, 32, 4343-4355.	4.1	3
23	Sediment PAH Allocation Using Parent PAH Proportions and a Least Root Mean Squares Mixing Model. <i>Environmental Forensics</i> , 2012, 13, 225-237.	2.6	2
24	Determination of Polychlorinated Biphenyl (PCB) Release Timeframe Using Weathered Congener and Homolog Fingerprints and a Multicomponent Evaporation Model. <i>Environmental Forensics</i> , 2011, 12, 35-48.	2.6	1
25	Groundwater treatments using nanomaterials. , 2020, , 25-49.		0