

Reddithota J Krupadam

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

888
citations

430874

18
h-index

477307

29
g-index

41
all docs

41
docs citations

41
times ranked

1157
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of cancer risk of microplastics enriched with polycyclic aromatic hydrocarbons. <i>Journal of Hazardous Materials</i> , 2020, 398, 122994.	12.4	122
2	Removal of probable human carcinogenic polycyclic aromatic hydrocarbons from contaminated water using molecularly imprinted polymer. <i>Water Research</i> , 2010, 44, 681-688.	11.3	101
3	Fluorescence Spectrophotometer Analysis of Polycyclic Aromatic Hydrocarbons in Environmental Samples Based on Solid Phase Extraction Using Molecularly Imprinted Polymer. <i>Environmental Science & Technology</i> , 2009, 43, 2871-2877.	10.0	57
4	Combinatorial screening of polymer precursors for preparation of benzo[\pm] pyrene imprinted polymer: an ab initio computational approach. <i>Journal of Molecular Modeling</i> , 2012, 18, 1969-1981.	1.8	44
5	Removal of cyanotoxins from surface water resources using reusable molecularly imprinted polymer adsorbents. <i>Environmental Science and Pollution Research</i> , 2012, 19, 1841-1851.	5.3	37
6	Computational strategies for understanding the nature of interaction in dioxin imprinted nanoporous trappers. <i>Journal of Molecular Recognition</i> , 2015, 28, 427-437.	2.1	37
7	Characterization of Chromophoric Dissolved Organic Matter (CDOM) in Rainwater Using Fluorescence Spectrophotometry. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 88, 215-218.	2.7	36
8	Highly sensitive determination of polycyclic aromatic hydrocarbons in ambient air dust by gas chromatography-mass spectrometry after molecularly imprinted polymer extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 3097-3106.	3.7	32
9	Novel molecularly imprinted polymeric microspheres for preconcentration and preservation of polycyclic aromatic hydrocarbons from environmental samples. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5313-5321.	3.7	25
10	Heavy metal binding fractions in the sediments of the Godavari estuary, East Coast of India. <i>Environmental Modeling and Assessment</i> , 2007, 12, 145-155.	2.2	23
11	Pyrene-imprinted polythiophene sensors for detection of polycyclic aromatic hydrocarbons. <i>Sensors and Actuators B: Chemical</i> , 2016, 228, 693-701.	7.8	23
12	Forest bound estuaries are higher methane emitters than paddy fields: A case of Godavari estuary, East Coast of India. <i>Atmospheric Environment</i> , 2007, 41, 4819-4827.	4.1	21
13	Nanoporous imprinted polymers (nanoMIPs) for controlled release of cancer drug. <i>Materials Science and Engineering C</i> , 2019, 99, 222-230.	7.3	21
14	Removal of endocrine disrupting chemicals from contaminated industrial groundwater using chitin as a biosorbent. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 367-374.	3.2	20
15	Removal of acutely hazardous pharmaceuticals from water using multi-template imprinted polymer adsorbent. <i>Environmental Science and Pollution Research</i> , 2014, 21, 6603-6611.	5.3	20
16	Polythiophene nanofilms for sensitive fluorescence detection of viruses in drinking water. <i>Biosensors and Bioelectronics</i> , 2016, 82, 20-25.	10.1	20
17	Highly selective electrochemical nanofilm sensor for detection of carcinogenic PAHs in environmental samples. <i>Talanta</i> , 2020, 219, 121273.	5.5	19
18	Adsorption of fluoride from water by surface-functionalized polyurethane foam. <i>Water Science and Technology</i> , 2010, 62, 759-765.	2.5	18

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19	Amino acid-imprinted polymers as highly selective CO ₂ capture materials. <i>Environmental Chemistry Letters</i> , 2019, 17, 465-472.	16.2	18
20	Benzo(<i>±</i>)pyrene imprinted polyacrylate nanosurfaces: Adsorption and binding characteristics. <i>Sensors and Actuators B: Chemical</i> , 2007, 124, 444-451.	7.8	15
21	Adsorption of carbon dioxide on naturally occurring solid amino acids. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3170-3176.	6.7	15
22	Molecularly imprinted nanoparticles (nanoMIPs): an efficient new adsorbent for removal of arsenic from water. <i>Journal of Materials Science</i> , 2020, 55, 6810-6825.	3.7	15
23	Highly selective detection of oil spill polycyclic aromatic hydrocarbons using molecularly imprinted polymers for marine ecosystems. <i>Journal of Hazardous Materials</i> , 2014, 274, 1-7.	12.4	12
24	Melamine-based resins and their carbons for CO ₂ capture: a review. <i>Emergent Materials</i> , 2021, 4, 545-563.	5.7	12
25	Adsorption-desorption dynamics of synthetic and naturally weathered microfibers with toxic heavy metals and their ecological risk in an estuarine ecosystem. <i>Environmental Research</i> , 2022, 207, 112198.	7.5	12
26	Nanoporous Polymeric Material for Remediation of PAHs Polluted Water. <i>Polycyclic Aromatic Compounds</i> , 2012, 32, 313-333.	2.6	11
27	Reduced graphene oxide -MnO ₂ nanocomposite for CO ₂ capture from flue gases at elevated temperatures. <i>Science of the Total Environment</i> , 2022, 816, 151522.	8.0	11
28	Molecularly Imprinted Nanoporous Polyacrylate Surface for Benzo(<i>±</i>)Pyrene Recognition. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5441-5447.	0.9	10
29	Density Field Theory Approach to Design Multi-Template Imprinted Polymers for Carcinogenic PAHs Sensing. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2013, 16, 682-694.	1.1	10
30	Molecularly imprinted microparticles (microMIPs) embedded with reduced graphene oxide for capture and destruction of <i>E. coli</i> in drinking water. <i>Materials Science and Engineering C</i> , 2020, 110, 110672.	7.3	9
31	Graphene nanosheets from hazardous/solid wastes: An efficient CO ₂ capture material. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105839.	6.7	9
32	High performance CO ₂ capture at elevated temperatures by using cenospheres prepared from solid waste, fly ash. <i>Chemosphere</i> , 2021, 284, 131405.	8.2	9
33	Reduced emission Firecrackers: Barium-free pyrotechnic formulations. <i>Fuel</i> , 2022, 317, 123500.	6.4	9
34	An efficient fluorescent polymer sensing material for detection of traces of benzo[<i>a</i>]pyrene in environmental samples. <i>Environmental Chemistry Letters</i> , 2011, 9, 389-395.	16.2	7
35	Molecularly Imprinted Polymer Receptors for Nicotine Recognition in Biological systems. <i>Molecular Imprinting</i> , 2013, 1, .	1.8	7
36	Graphene/fluorescein dye-based sensor for detecting As(III) in drinking water. <i>Scientific Reports</i> , 2021, 11, 17321.	3.3	6

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37	Removal of 17β -Estradiol from Groundwater Using Nanoporous Molecularly Imprinted Polymer Adsorbent. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2012, 16, 183-189.	2.0	5
38	Improved heterogeneous catalytic conversion of methane to methanol at ambient conditions. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104103.	6.7	4
39	Graphene nanoplatelets embedded polymer: An efficient endodontic material for root canal therapy. <i>Materials Science and Engineering C</i> , 2021, 121, 111864.	7.3	4
40	Effect of Solvents on the Adsorption Properties of Benzo[a]pyrene-imprinted Polymers. <i>Adsorption Science and Technology</i> , 2010, 28, 79-88.	3.2	2
41	Graphene oxide -copper nanocomposite: An efficient material for rapid degradation of organic dyes. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100545.	2.9	0