

Anitha Pius

List of Publications by Year in descending order

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38
papers

1,156
citations

430754

18
h-index

414303

32
g-index

38
all docs

38
docs citations

38
times ranked

1650
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation, characterization of nano ZnO-blended cellulose acetate-polyurethane membrane for photocatalytic degradation of dyes from water. <i>Chemical Engineering Journal</i> , 2017, 313, 928-937.	6.6	150
2	Adsorption studies for the removal of nitrate using chitosan/PEG and chitosan/PVA polymer composites. <i>Journal of Water Process Engineering</i> , 2016, 9, 123-134.	2.6	105
3	Enhanced adsorption of crystal violet by synthesized and characterized chitin nano whiskers from shrimp shell. <i>Journal of Water Process Engineering</i> , 2016, 14, 1-8.	2.6	89
4	Photocatalytic degradation of monocrotophos and chlorpyrifos in aqueous solution using TiO ₂ under UV radiation. <i>Journal of Water Process Engineering</i> , 2015, 7, 94-101.	2.6	75
5	Chitin nanowhisiker (ChNW)-functionalized electrospun PVDF membrane for enhanced removal of Indigo carmine. <i>Carbohydrate Polymers</i> , 2017, 165, 115-122.	5.1	72
6	Evaluation of groundwater quality in and around Peenya industrial area of Bangalore, South India using GIS techniques. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 4067-4077.	1.3	65
7	Removal of phosphate using chitosan-polymer composites. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 2331-2341.	3.3	65
8	Facile synthesis of chitin nanocrystals decorated on 3D cellulose aerogels as a new multi-functional material for waste water treatment with enhanced anti-bacterial and anti-oxidant properties. <i>New Journal of Chemistry</i> , 2017, 41, 12746-12755.	1.4	50
9	Removal of fluoride from drinking water using aluminum hydroxide coated activated carbon prepared from bark of <i>Morinda tinctoria</i> . <i>Applied Water Science</i> , 2017, 7, 2653-2665.	2.8	49
10	Chitin nanowhisiker inspired electrospun PVDF membrane for enhanced oil-water separation. <i>Journal of Environmental Management</i> , 2018, 228, 249-259.	3.8	47
11	Fabrication of cellulose acetate/chitosan blend films as efficient adsorbent for anionic water pollutants. <i>Polymer Bulletin</i> , 2019, 76, 1557-1571.	1.7	46
12	Influence of microwaves on the leaching kinetics of uraninite from a low grade ore in dilute sulfuric acid. <i>Journal of Hazardous Materials</i> , 2016, 313, 9-17.	6.5	42
13	Health risk from fluoride exposure of a population in selected areas of Tamil Nadu South India. <i>Food Science and Human Wellness</i> , 2013, 2, 75-86.	2.2	38
14	Main chain and segmental dynamics of semi interpenetrating polymer networks based on polyisoprene and poly(methyl methacrylate). <i>Polymer</i> , 2010, 51, 2390-2402.	1.8	27
15	Highly crosslinked 3-D hydrogels based on graphene oxide for enhanced remediation of multi contaminant wastewater. <i>Journal of Water Process Engineering</i> , 2019, 31, 100850.	2.6	27
16	Enhanced photocatalytic performance of Zr(IV) doped ZnO nanocomposite for the degradation efficiency of different azo dyes. <i>Environmental Chemistry and Ecotoxicology</i> , 2021, 3, 31-41.	4.6	26
17	Influence of Oxalate, Phytate, Tannin, Dietary Fiber, and Cooking on Calcium Bioavailability of Commonly Consumed Cereals and Millets in India. <i>Cereal Chemistry</i> , 2015, 92, 389-394.	1.1	25
18	New insight of hybrid membrane to degrade Congo red and Reactive yellow under sunlight. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 179, 7-17.	1.7	22

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19	Biopolymer blends and composites. , 2021, , 105-147.		16
20	Removal of Selected Basic Dyes using Activated Carbon from Tannery Wastes. Separation Science and Technology, 2014, 49, 90-100.	1.3	15
21	Assessment of groundwater quality for drinking and agricultural purposes of a few selected areas in Tamil Nadu South India: a GIS-based study. Sustainable Water Resources Management, 2018, 4, 1-21.	1.0	15
22	Relaxations and chain dynamics of sequential full interpenetrating polymer networks based on natural rubber and poly(methyl methacrylate). Polymer International, 2014, 63, 1427-1438.	1.6	13
23	Morphology, mechanical and thermal properties of nano-structured full IPNs based on polyisoprene and PMMA. Journal of Materials Science, 2010, 45, 2892-2901.	1.7	12
24	Transport of methyl methacrylate monomer through natural rubber. Journal of Materials Science, 2010, 45, 409-417.	1.7	8
25	Applications of cellulose nanofibrils in drug delivery. , 2018, , 75-95.		7
26	Development and Modification of Cellulose Acetate/Carboxy Methyl Cellulose Blend Films for Enhanced Adsorption of Methylene Blue. Macromolecular Symposia, 2018, 380, 1800107.	0.4	7
27	Performance of metal free g-C ₃ N ₄ reinforced graphene oxide bio-composite for the removal of persistent dyes. Environmental Chemistry and Ecotoxicology, 2021, 3, 220-233.	4.6	7
28	Leaching kinetics of uranium from a quartz-chlorite-biotite rich low-grade Indian ore. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 1793.	0.7	6
29	Current research on the blends of chitosan as new biomaterials. , 2020, , 247-283.		6
30	Sequential Determination of Free Acidity and Plutonium Concentration in the Dissolver Solution of Fast-Breeder Reactor Spent Fuels in a Single Aliquot. Analytical Sciences, 2016, 32, 401-405.	0.8	5
31	Porous nonhierarchical CeO ₂ /SiO ₂ monolith for effective degradation of organic pollutants. Environmental Nanotechnology, Monitoring and Management, 2020, 14, 100365.	1.7	5
32	Chitin and chitosan-based aerogels. , 2020, , 285-334.		4
33	Determination of Plutonium Present in Highly Radioactive Irradiated Fuel Solution by Spectrophotometric Method. Nuclear Engineering and Technology, 2016, 48, 727-732.	1.1	3
34	Biopolymer applications in cosmeceutical industries. , 2021, , 219-243.		3
35	Gangue minerals reactivity in oxidative leaching of uraninite with dilute sulfuric acid from low-grade ores: an approach for better leach liquor purity. Journal of Radioanalytical and Nuclear Chemistry, 2015, 309, 493.	0.7	1
36	Alternative method for determination of specific activity of plutonium present in the irradiated fuel solution. Annals of Nuclear Energy, 2017, 110, 1197-1201.	0.9	1

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37	Reductive dissolution studies of CeO ₂ and simulated mixed oxide fuel of (Ce, U)O ₂ in nitric acid medium. Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 1127-1133.	0.7	1
38	Determination of cerium concentration in samples obtained during dissolution of CeO ₂ and (Ce, U)O ₂ mixed oxide. Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 891-897.	0.7	1