Thanigaivelan Arumugham

List of Publications by Year
in descending order

21 papers	816 citations	516215 16 h-index	752256 20 g-index
21 all docs	21 docs citations	21 times ranked	990 citing authors

#	Article	IF	Citations
1	Surface-engineered polyethersulfone membranes with inherent Feâ€“Mn bimetallic oxides for improved permeability and antifouling capability. Environmental Research, 2022, 204, 112390.	3.7	12
2	Supercritical CO2 pretreatment of date fruit biomass for enhanced recovery of fruit sugars. Sustainable Energy Technologies and Assessments, 2022, 52, 102231.	1.7	8
3	Biosorption potential of Phoenix dactylifera coir wastes for toxic hexavalent chromium sequestration. Chemosphere, 2021, 268, 128809.	4.2	54
4	Augmented biohydrogen production from rice mill wastewater through nano-metal oxides assisted dark fermentation. Bioresource Technology, 2021, 319, 124243.	4.8	74
5	Supercritical carbon dioxide extraction of plant phytochemicals for biological and environmental applications â€“ A review. Chemosphere, 2021, 271, 129525.	4.2	93
6	Recent developments in porous ceramic membranes for wastewater treatment and desalination: A review. Journal of Environmental Management, 2021, 293, 112925.	3.8	85
7	Nano-activated carbon derived from date palm coir waste for efficient sequestration of noxious 2,4-dichlorophenoxyacetic acid herbicide. Chemosphere, 2021, 282, 131103.	4.2	37
8	N-Doped Carbon Dots Derived from Melamine and Triethanolamine for Selective Sensing of Fe3+ Ions. Journal of Nanomaterials, 2021, 2021, 1-11.	1.5	7
9	A sustainable synthesis of green carbon quantum dot (CQD) from Catharanthus roseus (white) Tj ETQq1 1 0.784314 rgBT /Overlock 10 detection and biological applications. Sustainable Materials and Technologies, 2020, 23, e00138.	1.7	54
10	Antifouling and photocatalytic properties of 2-D Zn/Al layered double hydroxide tailored low-pressure membranes. Chemical Engineering and Processing: Process Intensification, 2020, 158, 108191.	1.8	18
11	Nano CuO/g-C3N4 sheets-based ultrafiltration membrane with enhanced interfacial affinity, antifouling and protein separation performances for water treatment application. Journal of Environmental Sciences, 2019, 82, 57-69.	3.2	106
12	PFOM fillers embedded PVDF/cellulose dual-layered membranes with hydrophobicâ€“hydrophilic channels for desalination via direct contact membrane distillation process. RSC Advances, 2019, 9, 41462-41474.	1.7	12
13	Fabrication of novel aromatic amine functionalized nanofiltration (NF) membranes and testing its dye removal and desalting ability. Polymer Testing, 2018, 72, 1-10.	2.3	28
14	Chitosan capped nanoscale Fe-MIL-88B-NH₂ metal-organic framework as drug carrier material for the pH responsive delivery of doxorubicin. Materials Research Express, 2017, 4, 085023.	0.8	17
15	Studies on carboxylated graphene oxide incorporated polyetherimide mixed matrix ultrafiltration membranes. Materials Chemistry and Physics, 2017, 186, 146-158.	2.0	41
16	Separation of oil/water emulsions using nano MgO anchored hybrid ultrafiltration membranes for environmental abatement. Journal of Applied Polymer Science, 2016, 133, .	1.3	33
17	Development of new hybrid ultrafiltration membranes by entanglement of macromolecular PPSUâ€“SO₃H chains: Preparation, morphologies, mechanical strength, and fouling resistant properties. Journal of Applied Polymer Science, 2015, 132, .	1.3	18
18	Graphene Oxide Nanocomposite Incorporated Poly(ether imide) Mixed Matrix Membranes for in Vitro Evaluation of Its Efficacy in Blood Purification Applications. Industrial & Engineering Chemistry Research, 2015, 54, 7899-7913.	1.8	38

#	Article	IF	Citations
19	A functional PES membrane for hemodialysis â€" Preparation, Characterization and Biocompatibility. Chinese Journal of Chemical Engineering, 2015, 23, 1236-1244.	1.7	29
20	Sulfonated polyethersulfone-based membranes for metal ion removal via a hybrid process. Journal of Materials Science, 2014, 49, 114-122.	1.7	38
21	Sub-critical water extraction of reducing sugars and phenolic compounds from date palm fruit. Biomass Conversion and Biorefinery, 0, , 1.	2.9	14