Saran Sarangapany

List of Publications by Year
in descending order

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23	618	687220	677027
papers	citations	13 h-index	22 g-index

23	23	23	781
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient biodegradation of polyethylene (HDPE) waste by the plastic-eating lesser waxworm (Achroia) Tj ETQq1 1 0.784314 rgBT /Ove	2.7	128
2	Catalytic and recyclability properties of phytogenic copper oxide nanoparticles derived from Aglaia elaeagnoidea flower extract. Journal of Saudi Chemical Society, 2017, 21, 610-618.	2.4	91
3	Facile green synthesis of Agâ€“Cu decorated ZnO nanocomposite for effective removal of toxic organic compounds and an efficient detection of nitrite ions. Journal of Environmental Management, 2020, 262, 110282.	3.8	59
4	Facile Aglaia elaeagnoidea Mediated Synthesis of Silver and Gold Nanoparticles: Antioxidant and Catalysis Properties. Journal of Cluster Science, 2017, 28, 2041-2056.	1.7	40
5	Synergistic eminently active catalytic and recyclable Ag, Cu and Ag-Cu alloy nanoparticles supported on TiO2 for sustainable and cleaner environmental applications: A phytogenic mediated synthesis. Journal of Cleaner Production, 2018, 177, 134-143.	4.6	38
6	Role of pretreatment and evidence for the enhanced biodegradation and mineralization of low-density polyethylene films by greater waxworm. Environmental Technology (United Kingdom), 2021, 42, 717-730.	1.2	29
7	Recovery and reuse of TiO2 photocatalyst from aqueous suspension using plant based coagulant - A green approach. Korean Journal of Chemical Engineering, 2016, 33, 2107-2113.	1.2	26
8	Pilot scale thin film plate reactors for the photocatalytic treatment of sugar refinery wastewater. Environmental Science and Pollution Research, 2016, 23, 17730-17741.	2.7	24
9	Facile green synthesis of magnetically separable Auâ€“Pt@TiO2 nanocomposite for efficient catalytic reduction of organic pollutants and selective oxidation of glycerol. Journal of Alloys and Compounds, 2020, 830, 154636.	2.8	24
10	Novel Synthesis of Cu@ZnO and Ag@ZnO Nanocomposite via Green Method: A Comparative Study for Ultra-Rapid Catalytic and Recyclable Effects. Catalysis Letters, 2018, 148, 2561-2571.	1.4	23
11	Isolation of active coagulant protein from the seeds of Strychnos potatorum â€“ a potential water treatment agent. Environmental Technology (United Kingdom), 2019, 40, 1624-1632.	1.2	20
12	A High-Performance Catalytic and Recyclability of Phyto-Synthesized Silver Nanoparticles Embedded in Natural Polymer. Journal of Cluster Science, 2017, 28, 3127-3138.	1.7	17
13	Reclamation of grey water for non-potable purposes using pilot-scale solar photocatalytic tubular reactors. Environmental Technology (United Kingdom), 2019, 40, 3190-3199.	1.2	14
14	A Facile and Convenient Route for Synthesis of Silver Biopolymer Gel Bead Nanocomposites by Different Approach Towards Immobilization and Its Catalytic Applications. Catalysis Letters, 2018, 148, 1514-1524.	1.4	13
15	Sustainable Utilization of Molasses Towards Green Synthesis of Silver Nanoparticles for Colorimetric Heavy Metal Sensing and Catalytic Applications. Journal of Cluster Science, 2020, 31, 1137-1145.	1.7	13
16	Facile Green Synthesis of Ag@g-C3N4 for Enhanced Photocatalytic and Catalytic Degradation of Organic Pollutant. Journal of Cluster Science, 2021, 32, 585-592.	1.7	12
17	Solar photocatalytic decolorization of synthetic dye solution using pilot scale slurry type falling film reactor. Korean Journal of Chemical Engineering, 2017, 34, 2984-2992.	1.2	9
18	Disinfection of roof harvested rainwater for potable purpose using pilot-scale solar photocatalytic fixed bed tubular reactor. Water Science and Technology: Water Supply, 2018, 18, 49-59.	1.0	8

#	Article	IF	Citations
19	Feasibility study of a point of use technique for water treatment using plant-based coagulant and isolation of a bioactive compound with bactericidal properties. Separation Science and Technology, 2020, 55, 112-122.	1.3	8
20	Green Synthesized Magnetically Separable Iron Oxide Nanoparticles for Efficient Heterogeneous Photo-Fenton Degradation of Dye Pollutants. Journal of Cluster Science, 2022, 33, 675-685.	1.7	8
21	Cytotoxic and antioxidant activity of the polysaccharide isolated from the seeds of Strychnos potatorum. Biocatalysis and Agricultural Biotechnology, 2020, 25, 101586.	1.5	6
22	Highly recyclable and ultra-rapid catalytic reduction of organic pollutants on Agâ€“Cu@ZnO bimetal nanocomposite synthesized via green technology. Applied Nanoscience (Switzerland), 2018, 8, 1123-1131.	1.6	5
23	A facile biogenic-mediated synthesis of Ag nanoparticlesÂover anchoredÂZnO for enhanced photocatalytic degradation of organic dyes. , 2021, , 275-287.		3