

Jhimli Paul Guin

List of Publications by Year in descending order

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35
papers

810
citations

471061

17
h-index

500791

28
g-index

35
all docs

35
docs citations

35
times ranked

1042
citing authors

#	ARTICLE	IF	CITATIONS
1	Decoloration and degradation of Reactive Red-120 dye by electron beam irradiation in aqueous solution. <i>Applied Radiation and Isotopes</i> , 2011, 69, 982-987.	0.7	80
2	Hybrid coagulation, gamma irradiation and biological treatment of real pharmaceutical wastewater. <i>Chemical Engineering Journal</i> , 2019, 370, 595-605.	6.6	61
3	Electron beam induced degradation of ofloxacin in aqueous solution: Kinetics, removal mechanism and cytotoxicity assessment. <i>Chemical Engineering Journal</i> , 2019, 356, 973-984.	6.6	55
4	Assessment of reaction intermediates of gamma radiation-induced degradation of ofloxacin in aqueous solution. <i>Chemosphere</i> , 2018, 208, 606-613.	4.2	53
5	An insight into the influence of low dose irradiation pretreatment on the microbial decolouration and degradation of Reactive Red-120 dye. <i>Chemosphere</i> , 2013, 90, 1348-1358.	4.2	52
6	Studies on oxidative radiolysis of ibuprofen in presence of potassium persulfate. <i>Radiation Physics and Chemistry</i> , 2014, 100, 38-44.	1.4	45
7	Techno-economical evaluation of coupling ionizing radiation and biological treatment process for the remediation of real pharmaceutical wastewater. <i>Journal of Cleaner Production</i> , 2020, 242, 118544.	4.6	38
8	Mineralization and biodegradability enhancement of Methyl Orange dye by an effective advanced oxidation process. <i>Applied Radiation and Isotopes</i> , 2017, 122, 153-157.	0.7	32
9	An insight into the effective advanced oxidation process for treatment of simulated textile dye waste water. <i>RSC Advances</i> , 2014, 4, 39941-39947.	1.7	30
10	Organic/inorganic nanocomposite coating of bisphenol A diglycidyl ether diacrylate containing silica nanoparticles via electron beam curing process. <i>Progress in Organic Coatings</i> , 2013, 76, 1119-1126.	1.9	29
11	Exploring the excellent photophysical and electrochemical properties of graphene quantum dots for complementary sensing of uranium. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 559-573.	4.0	29
12	Uricase-immobilization on radiation grafted polymer support for detection of uric acid using Ag-nanoparticle based optical biosensor. <i>Polymer</i> , 2014, 55, 2652-2660.	1.8	27
13	High energy induced decoloration and mineralization of Reactive Red 120 dye in aqueous solution: A steady state and pulse radiolysis study. <i>Radiation Physics and Chemistry</i> , 2010, 79, 770-776.	1.4	25
14	Chemically clean single-step oxido-reductive synthesis of green luminescent graphene quantum dots as impending electrocatalyst. <i>Carbon</i> , 2016, 109, 517-528.	5.4	25
15	Radiation grafting: A voyage from bio-waste corn husk to an efficient thermostable adsorbent. <i>Carbohydrate Polymers</i> , 2018, 183, 151-164.	5.1	22
16	Effect of gamma sterilization on the properties of microneedle array transdermal patch system. <i>Drug Development and Industrial Pharmacy</i> , 2020, 46, 606-620.	0.9	19
17	Teflon scrap based cation exchanger by radiation grafting: Process parameter standardization and characterization. <i>Environmental Progress and Sustainable Energy</i> , 2012, 31, 77-88.	1.3	17
18	Evaluation of efficiencies of radiolysis, photocatalysis and ozonolysis of modified simulated textile dye waste-water. <i>RSC Advances</i> , 2014, 4, 53921-53926.	1.7	17

#	ARTICLE	IF	CITATIONS
19	Radiation crosslinked swellable ionic gels: equilibrium and kinetic studies of basic dye adsorption. <i>Desalination and Water Treatment</i> , 2016, 57, 4090-4099.	1.0	16
20	Radiolytic degradation of 4-nitrophenol in aqueous solutions: Pulse and steady state radiolysis study. <i>Radiation Physics and Chemistry</i> , 2013, 85, 161-166.	1.4	15
21	Radiolytic degradation of ornidazole in aqueous solutions by electron beam irradiation: Implications to parameters, kinetics, toxicity and cost evaluation. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104423.	3.3	14
22	Efficient degradation of butylparaben by gamma radiolysis. <i>Applied Radiation and Isotopes</i> , 2017, 122, 21-27.	0.7	13
23	Performance of hematite particles as an Iron source for the degradation of ornidazole in photo-fenton process. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 85, 203-212.	1.1	13
24	Decomposition of antibiotic ornidazole by gamma irradiation in aqueous solution: kinetics and its removal mechanism. <i>Environmental Science and Pollution Research</i> , 2018, 25, 32591-32602.	2.7	13
25	One electron oxidation and reduction of Reactive Red-120 dye in aqueous solution: A steady state and pulse radiolysis study. <i>Radiation Physics and Chemistry</i> , 2010, 79, 1225-1233.	1.4	10
26	Studies on production of fructo-oligosaccharides (FOS) by gamma radiation processing of microbial levan. <i>Carbohydrate Polymers</i> , 2013, 96, 365-370.	5.1	10
27	Radiation induced grafting of glycidyl methacrylate on teflon scrap for synthesis of dual type adsorbent: Process parameter standardisation. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 1367-1373.	1.3	10
28	Chemically clean synthesis and characterization of graphene oxide-poly(acrylic acid-sodium styrene) Tj ETQq0 0 0 rgBT /Overlock 10 catalytic reduction of 4-nitrophenol. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46200.	1.3	8
29	Challenges Facing Sustainable Visible Light Induced Degradation of Poly- and Perfluoroalkyls (PFA) in Water: A Critical Review. <i>ACS Engineering Au</i> , 2022, 2, 134-150.	2.3	7
30	Graphene reinforced radiation crosslinked polyvinyl alcohol/carboxymethyl cellulose nanocomposites for controlled drug release. <i>Polymer Composites</i> , 2017, 38, E74.	2.3	6
31	Sorption of acid and basic dyes on radiation-grafted Teflon scrap: equilibrium and kinetic sorption studies. <i>Polymer Bulletin</i> , 2016, 73, 2907-2926.	1.7	5
32	Development of a Reactive Red 120 dye based task-specific gamma radiation dosimeter. <i>Radiation Physics and Chemistry</i> , 2014, 96, 195-200.	1.4	4
33	Selective Navigation of Bisphenol-A from Water to a Polarity Tuned Porous Molecularly Imprinted Polymer. <i>ChemistrySelect</i> , 2018, 3, 12223-12233.	0.7	4
34	Comparative assessment of application of ionizing radiations in degradation of amoxicillin trihydrate (AMT) in aqueous solutions. <i>Chemical Engineering Journal</i> , 2021, 421, 127847.	6.6	4
35	Complementary Bifunctional Unique Properties of (1±,1²)â€PbO Nanoparticles for Efficient Catalysis and Adsorption for Water Remediation. <i>ChemistrySelect</i> , 2019, 4, 12726-12738.	0.7	2