

seema singh

List of Publications by Year in descending order

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papers

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516710

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#	ARTICLE	IF	CITATIONS
1	Electro-oxidation of nitrophenol by ruthenium oxide coated titanium electrode: Parametric, kinetic and mechanistic study. <i>Chemical Engineering Journal</i> , 2015, 263, 135-143.	12.7	110
2	Mechanism of Dye Degradation during Electrochemical Treatment. <i>Journal of Physical Chemistry C</i> , 2013, 117, 15229-15240.	3.1	90
3	Treatment of real wastewater by photoelectrochemical methods: An overview. <i>Chemosphere</i> , 2021, 276, 130188.	8.2	84
4	Comparative study of electrochemical oxidation for dye degradation: Parametric optimization and mechanism identification. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2911-2921.	6.7	80
5	Parametric and multiple response optimization for the electrochemical treatment of textile printing dye-bath effluent. <i>Separation and Purification Technology</i> , 2013, 109, 135-143.	7.9	54
6	Morphology-controlled green approach for synthesizing the hierarchical self-assembled 3D porous ZnO superstructure with excellent catalytic activity. <i>Microporous and Mesoporous Materials</i> , 2017, 239, 296-309.	4.4	47
7	Catalytic performance of hierarchical metal oxides for per-oxidative degradation of pyridine in aqueous solution. <i>Chemical Engineering Journal</i> , 2017, 309, 753-765.	12.7	39
8	Electrochemical oxidation of acid orange 7 dye with Ce, Nd, and Co-modified PbO ₂ electrodes: Preparation, characterization, optimization, and mineralization. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 84, 110-122.	5.3	39
9	Synthesis of different crystallographic Al ₂ O ₃ nanomaterials from solid waste for application in dye degradation. <i>RSC Advances</i> , 2014, 4, 50801-50810.	3.6	37
10	Mechanistic study of electrochemical treatment of basic green 4 dye with aluminum electrodes through zeta potential, TOC, COD and color measurements, and characterization of residues. <i>RSC Advances</i> , 2013, 3, 16426.	3.6	35
11	Electrochemical treatment of Ayurveda pharmaceuticals wastewater: Optimization and characterization of sludge residue. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 67, 385-396.	5.3	34
12	Electrochemical treatment of alkali decrement wastewater containing terephthalic acid using iron electrodes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 908-913.	5.3	33
13	Electrochemical Treatment of Dye Bearing Effluent with Different Anode-Cathode Combinations: Mechanistic Study and Sludge Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 10743-10752.	3.7	31
14	Single-phase cerium oxide nanospheres: An efficient photocatalyst for the abatement of rhodamine B dye. <i>Environmental Science and Pollution Research</i> , 2018, 25, 6532-6544.	5.3	27
15	Mineralization of pyrrole, a recalcitrant heterocyclic compound, by electrochemical method: Multi-response optimization and degradation mechanism. <i>Journal of Environmental Management</i> , 2017, 198, 144-152.	7.8	26
16	Synthesis and application of green mixed-metal oxide nano-composite materials from solid waste for dye degradation. <i>Journal of Environmental Management</i> , 2016, 181, 146-156.	7.8	17
17	Mineralization of perfluorooctanoic acid by combined aerated electrocoagulation and Modified peroxi-coagulation methods. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 118, 169-178.	5.3	16
18	Multistep Optimization and Residue Disposal Study for Electrochemical Treatment of Textile Wastewater Using Aluminum Electrode. <i>International Journal of Chemical Reactor Engineering</i> , 2013, 11, 31-46.	1.1	15

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19	Catalytic Degradation of Pyrrole in Aqueous Solution by Cu/SBA-15. International Journal of Chemical Reactor Engineering, 2015, 13, 437-445.	1.1	15
20	Preparation and reuse of iron and aluminum oxides activated sewage sludge based coagulants for the post-treatment of up-flow anaerobic sludge blanket reactor effluent. Journal of Cleaner Production, 2017, 149, 1020-1032.	9.3	11
21	Effect of current density and pH on the electrochemically generated active chloro species for the rapid mineralization of p-substituted phenol. Chemosphere, 2021, 275, 129848.	8.2	11
22	Treatment of fertilizer industry wastewater by catalytic peroxidation process using copper-loaded SBA-15. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 1468-1478.	1.7	10
23	Post treatment of UASB effluent by using inorganic coagulants: Role of zeta potential and characterization of solid residue. Journal of Environmental Chemical Engineering, 2016, 4, 1495-1503.	6.7	9
24	Electro-chemical mineralization of recalcitrant indole by platinum-coated titanium electrode: multi-response optimization, mechanistic and sludge disposal study. International Journal of Environmental Science and Technology, 2018, 15, 349-360.	3.5	8
25	Manganese Trioxide with Various Morphologies: Applications in Catalytic Dye Degradation. ChemistrySelect, 2020, 5, 4674-4684.	1.5	5
26	Sorption/desorption of aqueous mercury ions [Hg ²⁺] onto/from sulfur-impregnated attapulgite: Process optimization, co-existing anions and regeneration studies. Journal of the Taiwan Institute of Chemical Engineers, 2021, 119, 204-212.	5.3	5
27	Binary electrochemical mineralization of heterocyclic nitrogenous compounds: parametric optimization using Taguchi method and mineralization mechanism. Environmental Science and Pollution Research, 2021, 28, 7332-7346.	5.3	3
28	Treatment of biologically treated distillery spent wash employing electrocoagulation and reverse-osmosis treatment train. Environmental Technology (United Kingdom), 2022, 43, 4257-4268.	2.2	3