

Manoj Panayamthatta Rayaroth

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

914
citations

686830

13
h-index

676716

22
g-index

22
all docs

22
docs citations

22
times ranked

851
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced oxidation processes (AOPs) based wastewater treatment - unexpected nitration side reactions - a serious environmental issue: A review. <i>Chemical Engineering Journal</i> , 2022, 430, 133002.	6.6	237
2	Simultaneous removal of heavy metals and dyes in water using a MgO-coated Fe ₃ O ₄ nanocomposite: Role of micro-mixing effect induced by bubble generation. <i>Chemosphere</i> , 2022, 294, 133788.	4.2	7
3	Thermally activated persulfate-based Advanced Oxidation Processes – recent progress and challenges in mineralization of persistent organic chemicals: a review. <i>Current Opinion in Chemical Engineering</i> , 2022, 37, 100839.	3.8	25
4	Acetaminophen removal using green synthesized iron nanoparticles with a fresh water microalga, <i>Planktochlorella nurekis</i> . <i>Nano Structures Nano Objects</i> , 2021, 26, 100700.	1.9	6
5	Alcohol ethoxysulfates (AES) in environmental matrices. <i>Environmental Science and Pollution Research</i> , 2021, 28, 34167-34186.	2.7	9
6	Carbon-nitride-based micromotor driven by chromate-hydrogen peroxide redox system: Application for removal of sulfamethaxazole. <i>Journal of Colloid and Interface Science</i> , 2021, 597, 94-103.	5.0	13
7	Degradation of carbamazepine by singlet oxygen from sulfidized nanoscale zero-valent iron – citric acid system. <i>Chemical Engineering Journal</i> , 2020, 382, 122828.	6.6	48
8	Occurrence, distribution and removal of organic micro-pollutants in a low saline water body. <i>Science of the Total Environment</i> , 2020, 749, 141319.	3.9	10
9	Insights into the Mechanism of Hydroxyl Radical Mediated Oxidations of 2-Aminopurine: A Computational and Sonochemical Product Analysis Study. <i>Journal of Physical Chemistry B</i> , 2020, 124, 6245-6256.	1.2	8
10	In situ chemical oxidation of contaminated groundwater using a sulfidized nanoscale zerovalent iron – persulfate system: Insights from a box-type study. <i>Chemosphere</i> , 2020, 257, 127117.	4.2	31
11	Sonochemical degradation of benzenesulfonic acid in aqueous medium. <i>Chemosphere</i> , 2020, 252, 126485.	4.2	16
12	Degradation studies of halogenated flame retardants. <i>Comprehensive Analytical Chemistry</i> , 2020, 88, 303-339.	0.7	3
13	Role of in-situ nitrite ion formation on the sonochemical transformation of para-aminosalicylic acid. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 213-220.	3.8	18
14	Photocatalytic degradation of lignocaine in aqueous suspension of TiO ₂ nanoparticles: Mechanism of degradation and mineralization. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 3556-3564.	3.3	8
15	Identification of surfactants and its correlation with physicochemical parameters at the confluence region of Vembanad Lake in India. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20527-20539.	2.7	11
16	Effect of inorganic ions on the ultrasound initiated degradation and product formation of triphenylmethane dyes. <i>Ultrasonics Sonochemistry</i> , 2018, 48, 482-491.	3.8	46
17	Ultrasound based AOP for emerging pollutants: from degradation to mechanism. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6261-6269.	2.7	28
18	Oxidative degradation of benzoic acid using Fe ⁰ - and sulfidized Fe ⁰ -activated persulfate: A comparative study. <i>Chemical Engineering Journal</i> , 2017, 315, 426-436.	6.6	111

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19	Degradation of pharmaceuticals by ultrasound-based advanced oxidation process. Environmental Chemistry Letters, 2016, 14, 259-290.	8.3	123
20	Identification of Chlorophene in a Backwater Stream in Kerala (India) and its Sonochemical Degradation Studies. Clean - Soil, Air, Water, 2015, 43, 1338-1343.	0.7	17
21	Influence of inorganic ions and selected emerging contaminants on the degradation of Methylparaben: A sonochemical approach. Journal of Hazardous Materials, 2015, 300, 202-209.	6.5	68
22	Sonochemical degradation of Coomassie Brilliant Blue: Effect of frequency, power density, pH and various additives. Chemosphere, 2015, 119, 848-855.	4.2	71