# Manoj Panayamthatta Rayaroth

List of Publications by Year
in descending order



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|---|---|---|---|
| 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. Chemical Engineering Journal, 2022, 430, 133002. | 6.6 | 237 |
| 2 | Degradation of pharmaceuticals by ultrasound-based advanced oxidation process. Environmental Chemistry Letters, 2016, 14, 259-290. | 8.3 | 123 |
| 3 | Oxidative degradation of benzoic acid using Fe 0 - and sulfidized Fe 0 -activated persulfate: A comparative study. Chemical Engineering Journal, 2017, 315, 426-436. | 6.6 | 111 |
| 4 | Sonochemical degradation of Coomassie Brilliant Blue: Effect of frequency, power density, pH and various additives. Chemosphere, 2015, 119, 848-855. | 4.2 | 71 |
| 5 | 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 |
| 6 | Degradation of carbamazepine by singlet oxygen from sulfidized nanoscale zero-valent iron â€“ citric acid system. Chemical Engineering Journal, 2020, 382, 122828. | 6.6 | 48 |
| 7 | Effect of inorganic ions on the ultrasound initiated degradation and product formation of triphenylmethane dyes. Ultrasonics Sonochemistry, 2018, 48, 482-491. | 3.8 | 46 |
| 8 | In situ chemical oxidation of contaminated groundwater using a sulfidized nanoscale zerovalent ironâ€“persulfate system: Insights from a box-type study. Chemosphere, 2020, 257, 127117. | 4.2 | 31 |
| 9 | Ultrasound based AOP for emerging pollutants: from degradation to mechanism. Environmental Science and Pollution Research, 2017, 24, 6261-6269. | 2.7 | 28 |
| 10 | Thermally activated persulfate-based Advanced Oxidation Processes â€” recent progress and challenges in mineralization of persistent organic chemicals: a review. Current Opinion in Chemical Engineering, 2022, 37, 100839. | 3.8 | 25 |
| 11 | Role of in-situ nitrite ion formation on the sonochemical transformation of para-aminosalicylic acid. Ultrasonics Sonochemistry, 2018, 40, 213-220. | 3.8 | 18 |
| 12 | 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 |
| 13 | Sonochemical degradation of benzenesulfonic acid in aqueous medium. Chemosphere, 2020, 252, 126485. | 4.2 | 16 |
| 14 | Carbon-nitride-based micromotor driven by chromate-hydrogen peroxide redox system: Application for removal of sulfamethaxazole. Journal of Colloid and Interface Science, 2021, 597, 94-103. | 5.0 | 13 |
| 15 | Identification of surfactants and its correlation with physicochemical parameters at the confluence region of Vembanad Lake in India. Environmental Science and Pollution Research, 2018, 25, 20527-20539. | 2.7 | 11 |
| 16 | Occurrence, distribution and removal of organic micro-pollutants in a low saline water body. Science of the Total Environment, 2020, 749, 141319. | 3.9 | 10 |
| 17 | Alcohol ethoxysulfates (AES) in environmental matrices. Environmental Science and Pollution Research, 2021, 28, 34167-34186. | 2.7 | 9 |
| 18 | Photocatalytic degradation of lignocaine in aqueous suspension of TiO 2 nanoparticles: Mechanism of degradation and mineralization. Journal of Environmental Chemical Engineering, 2018, 6, 3556-3564. | 3.3 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Insights into the Mechanism of Hydroxyl Radical Mediated Oxidations of 2-Aminopurine: A Computational and Sonochemical Product Analysis Study. Journal of Physical Chemistry B, 2020, 124, 6245-6256. | 1.2 | 8 |
| 20 | Simultaneous removal of heavy metals and dyes in water using a MgO-coated Fe3O4 nanocomposite: Role of micro-mixing effect induced by bubble generation. Chemosphere, 2022, 294, 133788. | 4.2 | 7 |
| 21 | Acetaminophen removal using green synthesized iron nanoparticles with a fresh water microalga, Planktochlorella nurekis. Nano Structures Nano Objects, 2021, 26, 100700. | 1.9 | 6 |
| 22 | Degradation studies of halogenated flame retardants. Comprehensive Analytical Chemistry, 2020, 88, 303-339. | 0.7 | 3 |