# Yuan Gao

List of Publications by Year
in descending order

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Version: 2024-02-01

| 27 | 2,053 | 394286 | 526166 |
|---|---|---|---|
| papers | citations | 19 h-index | 27 g-index |

| 27 | 27 | 27 | 1140 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Unrecognized role of humic acid as a reductant in accelerating fluoroquinolones oxidation by aqueous permanganate. Chinese Chemical Letters, 2022, 33, 447-451. | 4.8 | 11 |
| 2 | Liquid-liquid extraction combined with online cleanup for the simultaneous determination of PAHs by GCâ€“MS/MS and their hydroxylated metabolites by LC-MS/MS in human fingernails. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2022, 1188, 123057. | 1.2 | 8 |
| 3 | Transformation mechanisms of iopamidol by iron/sulfite systems: Involvement of multiple reactive species and efficiency in real water. Journal of Hazardous Materials, 2022, 426, 128114. | 6.5 | 6 |
| 4 | Formation mechanism and control strategies of N-nitrosodimethylamine (NDMA) formation during ozonation. Science of the Total Environment, 2022, 823, 153679. | 3.9 | 16 |
| 5 | Identification and occurrence of TBBPA and its debromination and O-methylation transformation products in sediment, fish and whelks from a typical eâ€“waste dismantling site. Science of the Total Environment, 2022, 833, 155249. | 3.9 | 6 |
| 6 | Hydroxylamine driven advanced oxidation processes for water treatment: A review. Chemosphere, 2021, 262, 128390. | 4.2 | 51 |
| 7 | A comparison study of levofloxacin degradation by peroxymonosulfate and permanganate: Kinetics, products and effect of quinone group. Journal of Hazardous Materials, 2021, 403, 123834. | 6.5 | 36 |
| 8 | Enhanced transformation of organic pollutants by mild oxidants in the presence of synthetic or natural redox mediators: A review. Water Research, 2021, 189, 116667. | 5.3 | 29 |
| 9 | Enhanced peroxymonosulfate activation via complexed Mn(II): A novel non-radical oxidation mechanism involving manganese intermediates. Water Research, 2021, 193, 116856. | 5.3 | 97 |
| 10 | Formation of nitrosated and nitrated aromatic products of concerns in the treatment of phenols by the combination of peroxymonosulfate and hydroxylamine. Chemosphere, 2021, 282, 131057. | 4.2 | 7 |
| 11 | Relative contribution of ferryl ion species (Fe(IV)) and sulfate radical formed in nanoscale zero valent iron activated peroxydisulfate and peroxymonosulfate processes. Water Research, 2020, 172, 115504. | 5.3 | 219 |
| 12 | Quantitative evaluation of relative contribution of high-valent iron species and sulfate radical in Fe(VI) enhanced oxidation processes via sulfur reducing agents activation. Chemical Engineering Journal, 2020, 387, 124077. | 6.6 | 43 |
| 13 | Formation and control of bromate in sulfate radical-based oxidation processes for the treatment of waters containing bromide: A critical review. Water Research, 2020, 176, 115725. | 5.3 | 56 |
| 14 | Are free radicals actually responsible for enhanced oxidation of contaminants by Cr(VI) in the presence of bisulfite?. Chemosphere, 2020, 248, 126000. | 4.2 | 8 |
| 15 | A novel strategy using peroxymonosulfate to control the formation of iodinated aromatic products in treatment of phenolic compounds by permanganate. Environmental Science: Water Research and Technology, 2019, 5, 1515-1522. | 1.2 | 6 |
| 16 | Oxidation kinetics of anilines by aqueous permanganate and effects of manganese products: Comparison to phenols. Chemosphere, 2019, 235, 104-112. | 4.2 | 23 |
| 17 | Further understanding the involvement of Fe(IV) in peroxydisulfate and peroxymonosulfate activation by Fe(II) for oxidative water treatment. Chemical Engineering Journal, 2019, 371, 842-847. | 6.6 | 194 |
| 18 | Further insights into the combination of permanganate and peroxymonosulfate as an advanced oxidation process for destruction of aqueous organic contaminants. Chemosphere, 2019, 228, 602-610. | 4.2 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | New Insights into the Combination of Permanganate and Bisulfite as a Novel Advanced Oxidation Process: Importance of High Valent Manganese-Oxo Species and Sulfate Radical. Environmental Science & Technology, 2019, 53, 3689-3696. | 4.6 | 135 |
| 20 | Oxidation of methylparaben (MeP) and pâ€˜hydroxybenzoic acid (p-HBA) by manganese dioxide (MnO2) and effects of iodide: Efficiency, products, and toxicity. Science of the Total Environment, 2019, 661, 670-677. | 3.9 | 23 |
| 21 | Does Soluble Mn(III) Oxidant Formed in Situ Account for Enhanced Transformation of Triclosan by Mn(VII) in the Presence of Ligands?. Environmental Science & Technology, 2018, 52, 4785-4793. | 4.6 | 76 |
| 22 | Is Sulfate Radical Really Generated from Peroxydisulfate Activated by Iron(II) for Environmental Decontamination?. Environmental Science & Technology, 2018, 52, 11276-11284. | 4.6 | 517 |
| 23 | Unrecognized role of bisulfite as Mn(III) stabilizing agent in activating permanganate (Mn(VII)) for enhanced degradation of organic contaminants. Chemical Engineering Journal, 2017, 327, 418-422. | 6.6 | 66 |
| 24 | Transformation of Flame Retardant Tetrabromobisphenol A by Aqueous Chlorine and the Effect of Humic Acid. Environmental Science & Technology, 2016, 50, 9608-9618. | 4.6 | 62 |
| 25 | Understanding the Role of Manganese Dioxide in the Oxidation of Phenolic Compounds by Aqueous Permanganate. Environmental Science & Technology, 2015, 49, 520-528. | 4.6 | 114 |
| 26 | Oxidation of Flame Retardant Tetrabromobisphenol A by Aqueous Permanganate: Reaction Kinetics, Brominated Products, and Pathways. Environmental Science & Technology, 2014, 48, 615-623. | 4.6 | 90 |
| 27 | Oxidation of Bromophenols and Formation of Brominated Polymeric Products of Concern during Water Treatment with Potassium Permanganate. Environmental Science & Technology, 2014, 48, 10850-10858. | 4.6 | 125 |