

Mona Kohantorabi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4421577/publications.pdf>

Version: 2024-02-01

21
papers

1,333
citations

535685

17
h-index

799663

21
g-index

21
all docs

21
docs citations

21
times ranked

1054
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Heterogeneous catalytic ozonation and peroxone-mediated removal of Acetaminophen using natural and modified hematite-rich soil, as efficient and environmentally friendly catalysts. <i>Applied Catalysis B: Environmental</i> , 2022, 301, 120786. | 10.8 | 35 |
| 2 | Deriving an Fe^{2+} - $\text{Fe}_2\text{O}_3/\text{g-C}_3\text{N}_4$ nanocomposite from a naturally hematite-rich soil, for dual photocatalytic and photo-Fenton degradation of Acetaminophen under visible light. <i>Separation and Purification Technology</i> , 2022, 299, 121723. | 3.9 | 16 |
| 3 | A review of the innovations in metal- and carbon-based catalysts explored for heterogeneous peroxymonosulfate (PMS) activation, with focus on radical vs. non-radical degradation pathways of organic contaminants. <i>Chemical Engineering Journal</i> , 2021, 411, 127957. | 6.6 | 458 |
| 4 | An innovative, highly stable $\text{Ag}/\text{ZIF-67}@\text{GO}$ nanocomposite with exceptional peroxymonosulfate (PMS) activation efficacy, for the destruction of chemical and microbiological contaminants under visible light. <i>Journal of Hazardous Materials</i> , 2021, 413, 125308. | 6.5 | 98 |
| 5 | Synthesis of a novel, ternary $\text{AgI}/\text{CeO}_2@\text{g-C}_3\text{N}_4$ nanocomposite with exceptional stability and reusability for visible light-assisted photocatalytic reduction of hexavalent chromium. <i>Applied Surface Science</i> , 2021, 555, 149692. | 3.1 | 32 |
| 6 | Radical-based degradation of sulfamethoxazole via UVA/PMS-assisted photocatalysis, driven by magnetically separable $\text{Fe}_3\text{O}_4@\text{CeO}_2@\text{BiOI}$ nanospheres. <i>Separation and Purification Technology</i> , 2021, 267, 118665. | 3.9 | 64 |
| 7 | Photocatalytic activation of peroxymonosulfate (PMS) by novel mesoporous $\text{Ag}/\text{ZnO}@\text{NiFe}_2\text{O}_4$ nanorods, inducing radical-mediated acetaminophen degradation under UVA irradiation. <i>Chemosphere</i> , 2021, 277, 130271. | 4.2 | 55 |
| 8 | Heterogeneous photocatalytic degradation of organic pollutant in aqueous solutions by S-scheme heterojunction in nickel molybdate nanocomposites. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105903. | 3.3 | 37 |
| 9 | Fabrication of novel $\text{Fe}_2\text{O}_3/\text{MoO}_3/\text{AgBr}$ nanocomposites with enhanced photocatalytic activity under visible light irradiation for organic pollutant degradation. <i>Advanced Powder Technology</i> , 2020, 31, 493-503. | 2.0 | 34 |
| 10 | Catalytic activity of a magnetic $\text{Fe}_2\text{O}_3@\text{CoFe}_2\text{O}_4$ nanocomposite in peroxymonosulfate activation for norfloxacin removal. <i>New Journal of Chemistry</i> , 2020, 44, 4185-4198. | 1.4 | 29 |
| 11 | Facile template-free synthesis of new MnO_2 nanorod/silver iodide p-n junction nanocomposites with high photocatalytic performance. <i>New Journal of Chemistry</i> , 2020, 44, 7401-7411. | 1.4 | 36 |
| 12 | Supported Pt/Pd -x bimetallic nanoparticles on ionic liquid-functionalized $\text{SiO}_2@\text{graphene oxide}$ nanocomposite and its application as an effective multiphasic catalyst. <i>Applied Catalysis A: General</i> , 2019, 579, 30-43. | 2.2 | 12 |
| 13 | Solar-assisted bacterial disinfection and removal of contaminants of emerging concern by Fe^{2+} -activated HSO_5^- vs. $\text{S}_2\text{O}_8^{2-}$ in drinking water. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 62-72. | 10.8 | 100 |
| 14 | A systematic investigation on the bactericidal transient species generated by photo-sensitization of natural organic matter (NOM) during solar and photo-Fenton disinfection of surface waters. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 983-995. | 10.8 | 45 |
| 15 | Cyclohexene oxidation catalyzed by flower-like core-shell $\text{Fe}_3\text{O}_4@\text{Au}$ /metal organic frameworks nanocomposite. <i>Materials Chemistry and Physics</i> , 2018, 213, 472-481. | 2.0 | 19 |
| 16 | Fabrication of novel ternary $\text{Au}/\text{CeO}_2@\text{g-C}_3\text{N}_4$ nanocomposite: kinetics and mechanism investigation of 4-nitrophenol reduction, and benzyl alcohol oxidation. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1. | 1.1 | 32 |
| 17 | Kinetic Analysis of the Reduction of 4-Nitrophenol Catalyzed by CeO_2 Nanorods-Supported CuNi Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 1159-1167. | 1.8 | 115 |
| 18 | AgPt nanoparticles supported on magnetic graphene oxide nanosheets for catalytic reduction of 4-nitrophenol: Studies of kinetics and mechanism. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3806. | 1.7 | 43 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | M _x Ni _{100-x} (M = Ag, and Co) nanoparticles supported on CeO ₂ nanorods derived from Ce metal organic frameworks as an effective catalyst for reduction of organic pollutants: Langmuir-Hinshelwood kinetics and mechanism. <i>New Journal of Chemistry</i> , 2017, 41, 10948-10958. | 1.4 | 51 |
| 20 | Probing solvent-solvent and solute-solvent interactions in surfactant binary mixtures: solvatochromic parameters, preferential solvation, and quantum theory of atoms in molecules analysis. <i>RSC Advances</i> , 2016, 6, 18515-18524. | 1.7 | 10 |
| 21 | Surfactant Binary Systems: Ab Initio Calculations, Preferential Solvation, and Investigation of Solvatochromic Parameters. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 255-263. | 1.0 | 12 |