

Hongchao Li

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,448
citations

394421
19
h-index

580821
25
g-index

25
all docs

25
docs citations

25
times ranked

1354
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of model platforms to probe the confinement effect of nanocomposite-enabled water treatment. <i>Chemical Engineering Journal Advances</i> , 2022, 9, 100229.	5.2	8
2	Revisiting the Heterogeneous Peroxymonosulfate Activation by MoS ₂ : a Surface Mo-“Peroxymonosulfate Complex as the Major Reactive Species. <i>ACS ES&T Water</i> , 2022, 2, 376-384.	4.6	23
3	Determination of peracetic acid in the presence of hydrogen peroxide based on the catalytic oxidation of ABTS. <i>Chemical Engineering Journal Advances</i> , 2022, 10, 100247.	5.2	6
4	Overtuned Loading of Inert CeO ₂ to Active Co ₃ O ₄ for Unusually Improved Catalytic Activity in Fenton-Like Reactions. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	70
5	Overtuned Loading of Inert CeO ₂ to Active Co ₃ O ₄ for Unusually Improved Catalytic Activity in Fenton-Like Reactions. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	7
6	Single-Atom Fe Catalysts for Fenton-Like Reactions: Roles of Different N Species. <i>Advanced Materials</i> , 2022, 34, e2110653.	21.0	158
7	Mn ₂ O ₃ as an Electron Shuttle between Peroxymonosulfate and Organic Pollutants: The Dominant Role of Surface Reactive Mn(IV) Species. <i>Environmental Science & Technology</i> , 2022, 56, 4498-4506.	10.0	116
8	In-situ photothermal activation of peroxydisulfate in a carbon nanotubes membrane-based flow-by reactor toward degradation of contaminants. <i>Chemosphere</i> , 2022, 303, 135119.	8.2	5
9	N-coordinated Co containing porous carbon as catalyst with improved dispersity and stability to activate peroxymonosulfate for degradation of organic pollutants. <i>Chemical Engineering Journal</i> , 2021, 403, 126395.	12.7	50
10	Degradation of roxarsone in UV-based advanced oxidation processes: A comparative study. <i>Journal of Hazardous Materials</i> , 2021, 410, 124558.	12.4	28
11	Peroxydisulfate Activation and Singlet Oxygen Generation by Oxygen Vacancy for Degradation of Contaminants. <i>Environmental Science & Technology</i> , 2021, 55, 2110-2120.	10.0	252
12	Are Free Radicals the Primary Reactive Species in Co(II)-Mediated Activation of Peroxymonosulfate? New Evidence for the Role of the Co(II)-“Peroxymonosulfate Complex. <i>Environmental Science & Technology</i> , 2021, 55, 6397-6406.	10.0	134
13	Trace Co ²⁺ coupled with phosphate triggers efficient peroxymonosulfate activation for organic degradation. <i>Journal of Hazardous Materials</i> , 2021, 409, 124920.	12.4	46
14	New Insights into the Activation of Peracetic Acid by Co(II): Role of Co(II)-Peracetic Acid Complex as the Dominant Intermediate Oxidant. <i>ACS ES&T Engineering</i> , 2021, 1, 1432-1440.	7.6	33
15	Degradation of phosphonates in Co(II)/peroxymonosulfate process: Performance and mechanism. <i>Water Research</i> , 2021, 202, 117397.	11.3	72
16	Degradation of organic contaminants in the CoFe ₂ O ₄ /peroxymonosulfate process: The overlooked role of Co(II)-PMS complex. <i>Chemical Engineering Journal Advances</i> , 2021, 8, 100143.	5.2	20
17	Origin of the improved reactivity of MoS ₂ single crystal by confining lattice Fe atom in peroxymonosulfate-based Fenton-like reaction. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120537.	20.2	53
18	Toward Selective Oxidation of Contaminants in Aqueous Systems. <i>Environmental Science & Technology</i> , 2021, 55, 14494-14514.	10.0	145

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19	Development of Fe-doped g-C ₃ N ₄ /graphite mediated peroxymonosulfate activation for degradation of aromatic pollutants via nonradical pathway. <i>Science of the Total Environment</i> , 2019, 675, 62-72.	8.0	108
20	Fe(III)-Doped g-C ₃ N ₄ Mediated Peroxymonosulfate Activation for Selective Degradation of Phenolic Compounds via High-Valent Iron-Oxo Species. <i>Environmental Science & Technology</i> , 2018, 52, 2197-2205.	10.0	687
21	Peroxymonosulfate activation by iron(III)-tetraamidomacrocyclic ligand for degradation of organic pollutants via high-valent iron-oxo complex. <i>Water Research</i> , 2018, 147, 233-241.	11.3	161
22	Highly efficient and environmentally benign As(III) pre-oxidation in water by using a solid redox polymer. <i>Chemosphere</i> , 2017, 175, 300-306.	8.2	11
23	Simultaneous Oxidation and Sequestration of As(III) from Water by Using Redox Polymer-Based Fe(III) Oxide Nanocomposite. <i>Environmental Science & Technology</i> , 2017, 51, 6326-6334.	10.0	124
24	Arsenate Adsorption by Hydrous Ferric Oxide Nanoparticles Embedded in Cross-linked Anion Exchanger: Effect of the Host Pore Structure. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3012-3020.	8.0	85
25	Self-enhanced ozonation of benzoic acid at acidic pHs. <i>Water Research</i> , 2015, 73, 9-16.	11.3	46