

# Linfeng Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9577542/publications.pdf>

Version: 2024-02-01

41  
papers

1,521  
citations

361296

20  
h-index

315616

38  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1465  
citing authors

#	ARTICLE	IF	CITATIONS
1	Promoted peroxymonosulfate activation into singlet oxygen over perovskite for ofloxacin degradation by controlling the oxygen defect concentration. <i>Chemical Engineering Journal</i> , 2019, 359, 828-839.	6.6	213
2	A novel singlet oxygen involved peroxymonosulfate activation mechanism for degradation of ofloxacin and phenol in water. <i>Chemical Communications</i> , 2017, 53, 6589-6592.	2.2	154
3	Biogenic manganese oxide: An efficient peroxymonosulfate activation catalyst for tetracycline and phenol degradation in water. <i>Chemical Engineering Journal</i> , 2018, 352, 469-476.	6.6	129
4	Enhanced peroxymonosulfate activation for phenol degradation over MnO <sub>2</sub> at pH 3.5~9.0 via Cu(II) substitution. <i>Journal of Hazardous Materials</i> , 2018, 360, 303-310.	6.5	111
5	Enhanced 2, 4-dichlorophenol degradation at pH 3~11 by peroxymonosulfate via controlling the reactive oxygen species over Ce substituted 3D Mn <sub>2</sub> O <sub>3</sub> . <i>Chemical Engineering Journal</i> , 2019, 355, 448-456.	6.6	105
6	Copper in LaMnO <sub>3</sub> to promote peroxymonosulfate activation by regulating the reactive oxygen species in sulfamethoxazole degradation. <i>Journal of Hazardous Materials</i> , 2021, 411, 125163.	6.5	65
7	Highly selective and sensitive determination of copper ion based on a visual fluorescence method. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 66-75.	4.0	59
8	Performance and mechanisms of wastewater sludge conditioning with slag-based hydrotalcite-like minerals (Ca/Mg/Al-LDH). <i>Water Research</i> , 2020, 169, 115265.	5.3	57
9	Well-dispersed magnetic iron oxide nanocrystals on sepiolite nanofibers for arsenic removal. <i>RSC Advances</i> , 2015, 5, 25236-25243.	1.7	50
10	pH-dependent oxidation mechanisms over FeCu doped g-C <sub>3</sub> N <sub>4</sub> for ofloxacin degradation via the efficient peroxymonosulfate activation. <i>Journal of Cleaner Production</i> , 2021, 315, 128207.	4.6	50
11	Synthesis of highly effective absorbents with waste quenching blast furnace slag to remove Methyl Orange from aqueous solution. <i>Journal of Environmental Sciences</i> , 2017, 53, 68-77.	3.2	46
12	Facile synthesis of hierarchical dendrite-like structure iron layered double hydroxide nanohybrids for effective arsenic removal. <i>Chemical Communications</i> , 2016, 52, 11955-11958.	2.2	40
13	Novel Colorimetric Method for Simultaneous Detection and Identification of Multimetal Ions in Water: Sensitivity, Selectivity, and Recognition Mechanism. <i>ACS Omega</i> , 2019, 4, 5915-5922.	1.6	34
14	Design and synthesis of a molecule with aggregation-induced emission effects and its application in the detection of arsenite in groundwater. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3669-3672.	2.7	32
15	Efficient fenton-like degradation of ofloxacin over bimetallic Fe~Cu@Sepiolite composite. <i>Chemosphere</i> , 2020, 257, 127209.	4.2	30
16	Safe and efficient degradation of metronidazole using highly dispersed Fe <sup>2+</sup> -FeOOH on palygorskite as heterogeneous Fenton-like activator of hydrogen peroxide. <i>Chemosphere</i> , 2019, 236, 124367.	4.2	28
17	Surface weak acid-base pair of FeOOH/Al <sub>2</sub> O <sub>3</sub> for enhanced peroxymonosulfate activation in degradation of humic substances from water. <i>Chemical Engineering Journal</i> , 2020, 387, 124064.	6.6	26
18	Enhanced peroxymonosulfate decomposition into OH and <sup>1</sup> O <sub>2</sub> for sulfamethoxazole degradation over Se doped g-C <sub>3</sub> N <sub>4</sub> due to induced exfoliation and N vacancies formation. <i>Separation and Purification Technology</i> , 2021, 267, 118664.	3.9	24

#	ARTICLE	IF	CITATIONS
19	A ratiometric fluorescence nanosensor for highly selective and sensitive detection of selenite. <i>Analyst</i> , The, 2016, 141, 4685-4693.	1.7	23
20	Comprehensive assessment of flocculation conditioning of dredged sediment using organic polymers: Dredged sediment dewaterability and release of pollutants. <i>Science of the Total Environment</i> , 2020, 739, 139884.	3.9	22
21	Systematic assessment of dredged sludge dewaterability improvement with different organic polymers based on analytic hierarchy process. <i>Journal of Environmental Sciences</i> , 2021, 103, 311-321.	3.2	21
22	Identification and manipulation of active centers on perovskites to enhance catalysis of peroxymonosulfate for degradation of emerging pollutants in water. <i>Journal of Hazardous Materials</i> , 2022, 424, 127384.	6.5	21
23	Surface acidity and basicity of Mg/Al hydrotalcite for 2, 4-dichlorophenoxyacetic acid degradation with ozone: Mineralization, mechanism, and implications to practical water treatment. <i>Journal of Hazardous Materials</i> , 2021, 402, 123475.	6.5	18
24	Anionic ligands driven efficient ofloxacin degradation over LaMnO <sub>3</sub> suspended particles in water due to the enhanced peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2022, 427, 130998.	6.6	17
25	Fe <sub>3</sub> O <sub>4</sub> @S-doped ZnO: A magnetic, recoverable, and reusable Fenton-like catalyst for efficient degradation of ofloxacin under alkaline conditions. <i>Environmental Research</i> , 2020, 186, 109626.	3.7	16
26	Significant enhancement of photo-Fenton degradation of ofloxacin over Fe-Dis@Sep due to highly dispersed FeC <sub>6</sub> with electron deficiency. <i>Science of the Total Environment</i> , 2020, 723, 138144.	3.9	16
27	Visual determination of ferric ions in aqueous solution based on a high selectivity and sensitivity ratiometric fluorescent nanosensor. <i>Analytical Methods</i> , 2017, 9, 5935-5942.	1.3	15
28	Potassium cation induced controllable synthesis of CAN zeolite hollow microspheres. <i>Microporous and Mesoporous Materials</i> , 2016, 225, 365-370.	2.2	14
29	Synthesis Method of White Carbon Black Utilizing Water-Quenching Blast Furnace Slag. <i>Energy &amp; Fuels</i> , 2016, 30, 9645-9651.	2.5	13
30	Surface deep oxidation of ofloxacin and 2,4-dichlorophenol over ferrocene@sepiolite due to their synergistic effect in visible light driven heterogeneous Fenton reaction process. <i>Environmental Science: Nano</i> , 2018, 5, 1943-1950.	2.2	13
31	A carbon-dot-based dual-emission probe for ultrasensitive visual detection of copper ions. <i>New Journal of Chemistry</i> , 2018, 42, 19771-19778.	1.4	11
32	Construction of salicylaldehyde analogues as turn-on fluorescence probes and their electronic effect on sensitive and selective detection of As( <sup>v</sup> ) in groundwater. <i>Analytical Methods</i> , 2019, 11, 955-964.	1.3	9
33	Characterization of the effect of surfactant on biomass adaptation and microbial community in sewage treatment by anaerobic membrane bioreactor. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 76, 268-276.	2.9	9
34	Influence of flocculation conditioning on environmental risk of heavy metals in dredged sediment. <i>Journal of Environmental Management</i> , 2021, 297, 113313.	3.8	9
35	Effects of Lewis acid-base site and oxygen vacancy in MgAl minerals on peroxymonosulfate activation towards sulfamethoxazole degradation via radical and non-radical mechanism. <i>Separation and Purification Technology</i> , 2022, 286, 120437.	3.9	7
36	Transfer behavior of odorous pollutants in wastewater sludge system under typical chemical conditioning processes for dewaterability enhancement. <i>Scientific Reports</i> , 2017, 7, 3417.	1.6	6

#	ARTICLE	IF	CITATIONS
37	H <sub>2</sub> S emission in sludge conditioning with different inorganic salt coagulants and its relationships with sludge properties. RSC Advances, 2016, 6, 83060-83068.	1.7	4
38	Novel AlEgens with a 3,5-dibromobenzaldehyde skeleton: molecular design, synthesis, tunable emission and detection application. Analytical Methods, 2018, 10, 5486-5492.	1.3	4
39	Application of Heterogeneous Nanocatalysis-Based Advanced Oxidation Processes in Water Purification. , 2021, , 2941-2987.		0
40	Application of Heterogeneous Nanocatalysis-Based Advanced Oxidation Processes in Water Purification. , 2021, , 1-47.		0
41	Current Water Treatment Technologies. , 2020, , 1-47.		0