

# Fengxia Deng

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,469  
citations

331670

21  
h-index

434195

31  
g-index

31  
all docs

31  
docs citations

31  
times ranked

911  
citing authors

#	ARTICLE	IF	CITATIONS
1	One-pot hydrothermal synthesis of NaLa(CO <sub>3</sub> ) <sub>2</sub> decorated magnetic biochar for efficient phosphate removal from water: Kinetics, isotherms, thermodynamics, mechanisms and reusability exploration. <i>Chemical Engineering Journal</i> , 2020, 394, 124915.	12.7	152
2	A biochar modified nickel-foam cathode with iron-foam catalyst in electro-Fenton for sulfamerazine degradation. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117796.	20.2	142
3	Green synthesis of hydrophilic activated carbon supported sulfide nZVI for enhanced Pb(II) scavenging from water: Characterization, kinetics, isotherms and mechanisms. <i>Journal of Hazardous Materials</i> , 2021, 403, 123607.	12.4	139
4	Additive-mediated intercalation and surface modification of MXenes. <i>Chemical Society Reviews</i> , 2022, 51, 2972-2990.	38.1	101
5	Mineralization of electronic wastewater by electro-Fenton with an enhanced graphene-based gas diffusion cathode. <i>Electrochimica Acta</i> , 2018, 276, 12-20.	5.2	90
6	Waste-wood-derived biochar cathode and its application in electro-Fenton for sulfathiazole treatment at alkaline pH with pyrophosphate electrolyte. <i>Journal of Hazardous Materials</i> , 2019, 377, 249-258.	12.4	90
7	Enhanced electro-Fenton degradation of sulfonamides using the N, S co-doped cathode: Mechanism for H <sub>2</sub> O <sub>2</sub> formation and pollutants decay. <i>Journal of Hazardous Materials</i> , 2021, 403, 123950.	12.4	73
8	Simultaneously enhanced removal and stepwise recovery of atrazine and Pb(II) from water using $\beta$ -cyclodextrin functionalized cellulose: Characterization, adsorptive performance and mechanism exploration. <i>Journal of Hazardous Materials</i> , 2020, 400, 123142.	12.4	67
9	Concurrent elimination and stepwise recovery of Pb(II) and bisphenol A from water using $\beta$ -cyclodextrin modified magnetic cellulose: adsorption performance and mechanism investigation. <i>Journal of Hazardous Materials</i> , 2022, 432, 128758.	12.4	62
10	Degradation of sulfathiazole by electro-Fenton using a nitrogen-doped cathode and a BDD anode: Insight into the H <sub>2</sub> O <sub>2</sub> generation and radical oxidation. <i>Science of the Total Environment</i> , 2020, 722, 137853.	8.0	58
11	Enhanced degradation of sulfathiazole by electro-Fenton process using a novel carbon nitride modified electrode. <i>Carbon</i> , 2019, 145, 321-332.	10.3	52
12	A dual-cathode pulsed current electro-Fenton system: Improvement for H <sub>2</sub> O <sub>2</sub> accumulation and Fe <sup>3+</sup> reduction. <i>Journal of Power Sources</i> , 2020, 466, 228342.	7.8	46
13	The synergistic effect of nickel-iron-foam and tripolyphosphate for enhancing the electro-Fenton process at circum-neutral pH. <i>Chemosphere</i> , 2018, 201, 687-696.	8.2	41
14	Iron-foam as a heterogeneous catalyst in the presence of tripolyphosphate electrolyte for improving electro-Fenton oxidation capability. <i>Electrochimica Acta</i> , 2018, 272, 176-183.	5.2	40
15	Three-dimensional electro-Fenton system with iron foam as particle electrode for folic acid wastewater pretreatment. <i>Separation and Purification Technology</i> , 2019, 224, 463-474.	7.9	36
16	Electrocatalytic sulfathiazole degradation by a novel nickel-foam cathode coated with nitrogen-doped porous carbon. <i>Electrochimica Acta</i> , 2019, 297, 21-30.	5.2	32
17	A self-sufficient electro-Fenton system with enhanced oxygen transfer for decontamination of pharmaceutical wastewater. <i>Chemical Engineering Journal</i> , 2022, 429, 132176.	12.7	32
18	Unconventional electro-Fenton process operating at a wide pH range with Ni foam cathode and tripolyphosphate electrolyte. <i>Journal of Hazardous Materials</i> , 2020, 396, 122641.	12.4	28

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19	Melamine-derived carbon electrode for efficient H <sub>2</sub> O <sub>2</sub> electro-generation. <i>Electrochimica Acta</i> , 2018, 261, 375-383.	5.2	26
20	Removal of Cd(â...i) and anthracene from water by Î²-cyclodextrin functionalized magnetic hydrochar: Performance, mechanism and recovery. <i>Bioresource Technology</i> , 2021, 337, 125428.	9.6	24
21	Sustainable Fe <sup>3+</sup> reduction by Fe <sub>3</sub> O <sub>4</sub> @tourmaline in Fenton-like system. <i>Chemical Engineering Journal</i> , 2022, 437, 135480.	12.7	23
22	Fe/Co bimetallic nanoparticles embedded in MOF-derived nitrogen-doped porous carbon rods as efficient heterogeneous electro-Fenton catalysts for degradation of organic pollutants. <i>Applied Materials Today</i> , 2021, 24, 101161.	4.3	22
23	A microbubble-assisted rotary tubular titanium cathode for boosting Fentonâ€™s reagents in the electro-Fenton process. <i>Journal of Hazardous Materials</i> , 2022, 424, 127403.	12.4	20
24	Heterogeneous Catalytic Ozonation of Refinery Wastewater over Alumina-Supported Mn and Cu Oxides Catalyst. <i>Ozone: Science and Engineering</i> , 2015, 37, 546-555.	2.5	17
25	Tripolyphosphate-assisted electro-Fenton process for coking wastewater treatment at neutral pH. <i>Environmental Science and Pollution Research</i> , 2019, 26, 11928-11939.	5.3	13
26	A charcoal-shaped catalyst NiFe <sub>2</sub> O <sub>4</sub> /Fe <sub>2</sub> O <sub>3</sub> in electro-Fenton: high activity, wide pH range and catalytic mechanism. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1996-2008.	2.2	12
27	A dynamic anode boosting sulfamerazine mineralization <i>via</i> electrochemical oxidation. <i>Journal of Materials Chemistry A</i> , 2021, 10, 192-208.	10.3	12
28	Degradation of pollutant and antibacterial activity of waterborne polyurethane/doped TiO <sub>2</sub> nanoparticle hybrid films. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2015, 30, 447-451.	1.0	8
29	Three-dimensional nickel foam electrode for efficient electro-Fenton in a novel reactor. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 730-740.	2.2	8
30	Different heterogeneous fenton reaction based on foam carrier loaded with photocatalysts. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018, 33, 85-90.	1.0	2