

# Yiping Feng

## List of Publications by Year in descending order

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58  
papers

4,746  
citations

117625

34  
h-index

144013

57  
g-index

58  
all docs

58  
docs citations

58  
times ranked

4314  
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of carbon dots modified MoO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> Z-scheme photocatalyst with enhanced visible-light photocatalytic activity for the degradation of tetracycline. <i>Applied Catalysis B: Environmental</i> , 2018, 229, 96-104.	20.2	656
2	Novel ternary photocatalyst of single atom-dispersed silver and carbon quantum dots co-loaded with ultrathin g-C <sub>3</sub> N <sub>4</sub> for broad spectrum photocatalytic degradation of naproxen. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 510-520.	20.2	443
3	Facile synthesis of N-doped carbon dots/g-C <sub>3</sub> N <sub>4</sub> photocatalyst with enhanced visible-light photocatalytic activity for the degradation of indomethacin. <i>Applied Catalysis B: Environmental</i> , 2017, 207, 103-113.	20.2	438
4	Photocatalytic degradation of fluoroquinolone antibiotics using ordered mesoporous g-C <sub>3</sub> N <sub>4</sub> under simulated sunlight irradiation: Kinetics, mechanism, and antibacterial activity elimination. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 114-122.	20.2	275
5	Ordered Macroporous Carbonous Frameworks Implanted with CdS Quantum Dots for Efficient Photocatalytic CO <sub>2</sub> Reduction. <i>Advanced Materials</i> , 2021, 33, e2102690.	21.0	164
6	Synthesis of a carbon dots modified g-C <sub>3</sub> N <sub>4</sub> /SnO <sub>2</sub> Z-scheme photocatalyst with superior photocatalytic activity for PPCPs degradation under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2021, 401, 123257.	12.4	145
7	Degradation of ketoprofen by sulfate radical-based advanced oxidation processes: Kinetics, mechanisms, and effects of natural water matrices. <i>Chemosphere</i> , 2017, 189, 643-651.	8.2	133
8	Degradation of indometacin by simulated sunlight activated CDs-loaded BiPO <sub>4</sub> photocatalyst: Roles of oxidative species. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 129-139.	20.2	133
9	Construction of novel Z-scheme nitrogen-doped carbon dots/{Oâ€‰%0â€‰%1} TiO <sub>2</sub> nanosheet photocatalysts for broad-spectrum-driven diclofenac degradation: Mechanism insight, products and effects of natural water matrices. <i>Chemical Engineering Journal</i> , 2019, 356, 857-868.	12.7	124
10	Highly active metal-free carbon dots/g-C <sub>3</sub> N <sub>4</sub> hollow porous nanospheres for solar-light-driven PPCPs remediation: Mechanism insights, kinetics and effects of natural water matrices. <i>Water Research</i> , 2020, 172, 115492.	11.3	113
11	One-step synthesis of phosphorus/oxygen co-doped g-C <sub>3</sub> N <sub>4</sub> /anatase TiO <sub>2</sub> Z-scheme photocatalyst for significantly enhanced visible-light photocatalysis degradation of enrofloxacin. <i>Journal of Hazardous Materials</i> , 2020, 386, 121634.	12.4	111
12	Dual-Metal Hetero-Single-Atoms with Different Coordination for Efficient Synergistic Catalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 16068-16077.	13.7	110
13	Transformation and Removal of Tetrabromobisphenol A from Water in the Presence of Natural Organic Matter via Laccase-Catalyzed Reactions: Reaction Rates, Products, and Pathways. <i>Environmental Science &amp; Technology</i> , 2013, 47, 1001-1008.	10.0	107
14	Decoration of TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> Z-scheme by carbon dots as a novel photocatalyst with improved visible-light photocatalytic performance for the degradation of enrofloxacin. <i>RSC Advances</i> , 2017, 7, 34096-34103.	3.6	104
15	Mechanism Insight into enhanced photodegradation of pharmaceuticals and personal care products in natural water matrix over crystalline graphitic carbon nitrides. <i>Water Research</i> , 2020, 180, 115925.	11.3	101
16	Accelerated photocatalytic degradation of diclofenac by a novel CQDs/BiO <sub>2</sub> hybrid material under visible-light irradiation: Dechlorination, detoxicity, and a new superoxide radical model study. <i>Chemical Engineering Journal</i> , 2018, 332, 737-748.	12.7	98
17	The facile synthesis of a single atom-dispersed silver-modified ultrathin g-C <sub>3</sub> N <sub>4</sub> hybrid for the enhanced visible-light photocatalytic degradation of sulfamethazine with peroxymonosulfate. <i>Dalton Transactions</i> , 2018, 47, 6924-6933.	3.3	81
18	Photocatalytic degradation of clofibrac acid by g-C <sub>3</sub> N <sub>4</sub> /P25 composites under simulated sunlight irradiation: The significant effects of reactive species. <i>Chemosphere</i> , 2017, 172, 193-200.	8.2	78

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19	Degradation of triphenyl phosphate (TPHP) by CoFe <sub>2</sub> O <sub>4</sub> -activated peroxymonosulfate oxidation process: Kinetics, pathways, and mechanisms. <i>Science of the Total Environment</i> , 2019, 681, 331-338.	8.0	76
20	Degradation of the flame retardant triphenyl phosphate by ferrous ion-activated hydrogen peroxide and persulfate: Kinetics, pathways, and mechanisms. <i>Chemical Engineering Journal</i> , 2019, 361, 929-936.	12.7	73
21	Degradation of <sup>14</sup> C-labeled few layer graphene via Fenton reaction: Reaction rates, characterization of reaction products, and potential ecological effects. <i>Water Research</i> , 2015, 84, 49-57.	11.3	72
22	Heteroaggregation of Graphene Oxide with Nanometer- and Micrometer-Sized Hematite Colloids: Influence on Nanohybrid Aggregation and Microparticle Sedimentation. <i>Environmental Science &amp; Technology</i> , 2017, 51, 6821-6828.	10.0	70
23	Superhigh co-adsorption of tetracycline and copper by the ultrathin g-C <sub>3</sub> N <sub>4</sub> modified graphene oxide hydrogels. <i>Journal of Hazardous Materials</i> , 2022, 424, 127362.	12.4	70
24	A novel synthetic carbon and oxygen doped stalactite-like g-C <sub>3</sub> N <sub>4</sub> for broad-spectrum-driven indometacin degradation. <i>Journal of Hazardous Materials</i> , 2020, 386, 121961.	12.4	66
25	Facile synthesis of carbon quantum dots loaded with mesoporous g-C <sub>3</sub> N <sub>4</sub> for synergistic absorption and visible light photodegradation of fluoroquinolone antibiotics. <i>Dalton Transactions</i> , 2018, 47, 1284-1293.	3.3	63
26	Ultrathin Ag <sub>2</sub> WO <sub>4</sub> -coated P-doped g-C <sub>3</sub> N <sub>4</sub> nanosheets with remarkable photocatalytic performance for indomethacin degradation. <i>Journal of Hazardous Materials</i> , 2020, 392, 122355.	12.4	62
27	Template-free synthesis of oxygen-containing ultrathin porous carbon quantum dots/g-C <sub>3</sub> N <sub>4</sub> with superior photocatalytic activity for PPCPs remediation. <i>Environmental Science: Nano</i> , 2019, 6, 2565-2576.	4.3	55
28	Accelerated photocatalytic degradation of quinolone antibiotics over Z-scheme MoO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> heterostructure by peroxydisulfate under visible light irradiation: Mechanism; kinetic; and products. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 104, 250-259.	5.3	51
29	Ultrathin Nanosheet Assembled Multishelled Superstructures for Photocatalytic CO <sub>2</sub> Reduction. <i>ACS Nano</i> , 2022, 16, 4517-4527.	14.6	49
30	A photocatalytic degradation strategy of PPCPs by a heptazine-based CN organic polymer (OCN) under visible light. <i>Environmental Science: Nano</i> , 2018, 5, 2325-2336.	4.3	47
31	Defect-modified reduced graphitic carbon nitride (RCN) enhanced oxidation performance for photocatalytic degradation of diclofenac. <i>Chemosphere</i> , 2020, 258, 127343.	8.2	41
32	Integration of oxygen vacancies into BiOI via a facile alkaline earth ion-doping strategy for the enhanced photocatalytic performance toward indometacin remediation. <i>Journal of Hazardous Materials</i> , 2021, 412, 125147.	12.4	40
33	Facile hydrothermal synthesis of carbon dots (CDs) doped ZnFe <sub>2</sub> O <sub>4</sub> /TiO <sub>2</sub> hybrid materials with high photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 353, 10-18.	3.9	36
34	Metal Sub- $\mu$ m Nanoclusters Confined within Hierarchical Porous Carbons with High Oxidation Activity. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10842-10849.	13.8	36
35	Heteroaggregation and sedimentation of graphene oxide with hematite colloids: Influence of water constituents and impact on tetracycline adsorption. <i>Science of the Total Environment</i> , 2019, 647, 708-715.	8.0	35
36	Dual metal-free polymer reactive sites for the efficient degradation of diclofenac by visible light-driven oxygen reduction to superoxide radical and hydrogen peroxide. <i>Environmental Science: Nano</i> , 2019, 6, 2577-2590.	4.3	30

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37	Phosphate-modified m-Bi <sub>2</sub> O <sub>4</sub> enhances the absorption and photocatalytic activities of sulfonamide: Mechanism, reactive species, and reactive sites. <i>Journal of Hazardous Materials</i> , 2020, 384, 121443.	12.4	30
38	Photodegradation of gemfibrozil in aqueous solution under UV irradiation: kinetics, mechanism, toxicity, and degradation pathways. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14294-14306.	5.3	28
39	Hierarchical Double-Shelled CoP Nanocages for Efficient Visible-Light-Driven CO <sub>2</sub> Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 45609-45618.	8.0	28
40	Plasmonic Ag nanoparticles decorated copper-phenylacetylide polymer for visible-light-driven photocatalytic reduction of Cr(VI) and degradation of PPCPs: Performance, kinetics, and mechanism. <i>Journal of Hazardous Materials</i> , 2022, 425, 127599.	12.4	27
41	Regulating the Electronic Structure and Water Adsorption Capability by Constructing Carbon-Doped CuO Hollow Spheres for Efficient Photocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , 2020, 13, 5711-5721.	6.8	23
42	Smart Removal of Dye Pollutants via Dark Adsorption and Light Desorption at Recyclable Bi <sub>2</sub> O <sub>3</sub> CO <sub>3</sub> Nanosheets Interface. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 20490-20499.	8.0	23
43	Facile synthesis of solar light-driven Z-scheme Ag <sub>2</sub> CO <sub>3</sub> /TNS-001 photocatalyst for the effective degradation of naproxen: Mechanisms and degradation pathways. <i>Separation and Purification Technology</i> , 2021, 254, 117598.	7.9	21
44	Subnanometric Cu clusters on atomically Fe-doped MoO <sub>2</sub> for furfural upgrading to aviation biofuels. <i>Nature Communications</i> , 2022, 13, 2591.	12.8	21
45	Comparison of lignin peroxidase and horseradish peroxidase for catalyzing the removal of nonylphenol from water. <i>Environmental Science and Pollution Research</i> , 2014, 21, 2358-2366.	5.3	19
46	N,Fe-Doped Carbon Dot Decorated Gear-Shaped WO <sub>3</sub> for Highly Efficient UV-Vis-NIR-Driven Photocatalytic Performance. <i>Catalysts</i> , 2020, 10, 416.	3.5	16
47	Photochemical transformation of C <sub>3</sub> N <sub>4</sub> under UV irradiation: Implications for environmental fate and photocatalytic activity. <i>Journal of Hazardous Materials</i> , 2020, 394, 122557.	12.4	15
48	Study of the simulated sunlight photolysis mechanism of ketoprofen: the role of superoxide anion radicals, transformation byproducts, and ecotoxicity assessment. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 1176-1184.	3.5	13
49	One-step synthesis of carbon nitride nanobelts for the enhanced photocatalytic degradation of organic pollutants through peroxydisulfate activation. <i>Environmental Science: Nano</i> , 2021, 8, 245-257.	4.3	13
50	Metal Oxide-Stabilized Hetero-Single-Atoms for Oxidative Cleavage of Biomass-Derived Isoeugenol to Vanillin. <i>ACS Catalysis</i> , 2022, 12, 8503-8510.	11.2	13
51	The fate and transformation of tetrabromobisphenol A in natural waters, mediated by oxidoreductase enzymes. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 596-604.	3.5	12
52	Transformation of atenolol by a laccase-mediator system: Efficiencies, effect of water constituents, and transformation pathways. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109555.	6.0	11
53	Interaction of graphene oxide with artificial cell membranes: Role of anionic phospholipid and cholesterol in nanoparticle attachment and membrane disruption. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 202, 111685.	5.0	11
54	Hydrogen generation from photocatalytic treatment of wastewater containing pharmaceuticals and personal care products by Oxygen-doped crystalline carbon nitride. <i>Separation and Purification Technology</i> , 2022, 296, 121425.	7.9	11

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55	<i>In Situ</i> Construction of Porous $\text{Bi}_2\text{O}_3/\text{BiOCOOH}$ Heterojunction Photocatalysts: Enhancing Nitrogen Fixation Activity by the Synergistic Effect of Oxygen Vacancies and Lattice Oxygen. <i>ACS Applied Energy Materials</i> , 2022, 5, 9503-9511.	5.1	10
56	Oxidation of indometacin by ferrate (VI): kinetics, degradation pathways, and toxicity assessment. <i>Environmental Science and Pollution Research</i> , 2017, 24, 10786-10795.	5.3	8
57	Transformation of carbon dots by ultraviolet irradiation, ozonation, and chlorination processes: kinetics and mechanisms. <i>Environmental Science: Nano</i> , 2022, 9, 324-334.	4.3	7
58	Metal Subnanoclusters Confined within Hierarchical Porous Carbons with High Oxidation Activity. <i>Angewandte Chemie</i> , 2021, 133, 10937-10944.	2.0	0