

# Wenying Lv

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

3,703  
citations

159525

30  
h-index

182361

51  
g-index

51  
all docs

51  
docs citations

51  
times ranked

3825  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	10.8	443
2	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.	10.8	438
3	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.	10.8	275
4	Construction of heterostructured CuFe <sub>2</sub> O <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> nanocomposite as an efficient visible light photocatalyst with peroxydisulfate for the organic oxidation. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 974-982.	10.8	233
5	Study on the photocatalytic mechanism and detoxicity of gemfibrozil by a sunlight-driven TiO <sub>2</sub> /carbon dots photocatalyst: The significant roles of reactive oxygen species. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 250-259.	10.8	229
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.	6.5	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.	4.2	133
8	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.	6.5	111
9	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.	1.7	104
10	Study on heterogeneous photocatalytic ozonation degradation of ciprofloxacin by TiO <sub>2</sub> /carbon dots: Kinetic, mechanism and pathway investigation. <i>Chemosphere</i> , 2019, 227, 198-206.	4.2	90
11	Activation of peroxymonosulfate by Fe doped g-C <sub>3</sub> N <sub>4</sub> /graphene under visible light irradiation for Trimethoprim degradation. <i>Journal of Hazardous Materials</i> , 2020, 384, 121435.	6.5	88
12	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.	4.2	78
13	Carbon nitride modified hexagonal boron nitride interface as highly efficient blue LED light-driven photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 410-421.	10.8	78
14	Facile synthesis of acid-modified UiO-66 to enhance the removal of Cr(VI) from aqueous solutions. <i>Science of the Total Environment</i> , 2019, 682, 118-127.	3.9	77
15	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.	3.9	76
16	Photocatalytic degradation and removal mechanism of ibuprofen via monoclinic BiVO <sub>4</sub> under simulated solar light. <i>Chemosphere</i> , 2016, 150, 139-144.	4.2	72
17	Degradation of propranolol by UV-activated persulfate oxidation: Reaction kinetics, mechanisms, reactive sites, transformation pathways and Gaussian calculation. <i>Science of the Total Environment</i> , 2019, 690, 878-890.	3.9	72
18	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.	6.5	66

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19	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.	6.5	62
20	Removal of pharmaceuticals and personal care products (PPCPs) from water and wastewater using novel sulfonic acid (SO <sub>3</sub> H) functionalized covalent organic frameworks. <i>Environmental Science: Nano</i> , 2019, 6, 3374-3387.	2.2	61
21	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.	2.2	55
22	Insights into the synergetic mechanism of a combined vis-RGO/TiO <sub>2</sub> /peroxodisulfate system for the degradation of PPCPs: Kinetics, environmental factors and products. <i>Chemosphere</i> , 2019, 216, 341-351.	4.2	49
23	Construction of double-functionalized g-C <sub>3</sub> N <sub>4</sub> heterojunction structure via optimized charge transfer for the synergistically enhanced photocatalytic degradation of sulfonamides and H <sub>2</sub> O <sub>2</sub> production. <i>Journal of Hazardous Materials</i> , 2022, 422, 126868.	6.5	49
24	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.	2.2	47
25	A sulfate radical based ferrous-peroxydisulfate oxidative system for indomethacin degradation in aqueous solutions. <i>RSC Advances</i> , 2017, 7, 22802-22809.	1.7	46
26	Defect-modified reduced graphitic carbon nitride (RCN) enhanced oxidation performance for photocatalytic degradation of diclofenac. <i>Chemosphere</i> , 2020, 258, 127343.	4.2	41
27	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.	6.5	40
28	High-performance adsorption of chromate by hydrazone-linked guanidinium-based ionic covalent organic frameworks: Selective ion exchange. <i>Separation and Purification Technology</i> , 2021, 274, 118993.	3.9	35
29	Efficient removal of bisphenol pollutants on imine-based covalent organic frameworks: adsorption behavior and mechanism. <i>RSC Advances</i> , 2021, 11, 18308-18320.	1.7	32
30	Experimental and theoretical investigation on photodegradation mechanisms of naproxen and its photoproducts. <i>Chemosphere</i> , 2019, 227, 142-150.	4.2	31
31	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.	2.2	30
32	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.	6.5	30
33	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.	2.7	28
34	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.	6.5	27
35	Ionic covalent organic frameworks for Non-Steroidal Anti-Inflammatory drugs (NSAIDs) removal from aqueous Solution: Adsorption performance and mechanism. <i>Separation and Purification Technology</i> , 2021, 278, 119238.	3.9	19
36	Impact of Humic on Soil Adsorption and Remediation of Cd(II), Pb(II), and Cu(II). <i>Soil and Sediment Contamination</i> , 2016, 25, 700-715.	1.1	18

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37	Effective stabilization of atomic hydrogen by Pd nanoparticles for rapid hexavalent chromium reduction and synchronous bisphenol A oxidation during the photoelectrocatalytic process. <i>Journal of Hazardous Materials</i> , 2022, 422, 126974.	6.5	18
38	Remediation of Cd(II)-contaminated soil via humin-enhanced electrokinetic technology. <i>Environmental Science and Pollution Research</i> , 2017, 24, 3430-3436.	2.7	17
39	Thermo-activated peroxydisulfate oxidation of indomethacin: Kinetics study and influences of co-existing substances. <i>Chemosphere</i> , 2018, 212, 1067-1075.	4.2	17
40	Activation of peracetic acid via Co <sub>3</sub> O <sub>4</sub> with double-layered hollow structures for the highly efficient removal of sulfonamides: Kinetics insights and assessment of practical applications. <i>Journal of Hazardous Materials</i> , 2022, 431, 128579.	6.5	16
41	Effect of halide ions on the photodegradation of ibuprofen in aqueous environments. <i>Chemosphere</i> , 2017, 166, 412-417.	4.2	15
42	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.	6.5	15
43	Photocatalyst with a metal-free electron-hole pair double transfer mechanism for pharmaceutical and personal care product degradation. <i>Environmental Science: Nano</i> , 2019, 6, 3292-3306.	2.2	14
44	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.	2.2	13
45	Incorporating Oxygen Atoms in a SnS <sub>2</sub> Atomic Layer to Simultaneously Stabilize Atomic Hydrogen and Accelerate the Generation of Hydroxyl Radicals for Water Decontamination. <i>Environmental Science &amp; Technology</i> , 2022, 56, 4980-4987.	4.6	13
46	Aquatic photodegradation of clofibric acid under simulated sunlight irradiation: kinetics and mechanism analysis. <i>RSC Advances</i> , 2018, 8, 27796-27804.	1.7	12
47	Synchronous construction of a porous intramolecular D-A conjugated polymer via electron donors for superior photocatalytic decontamination. <i>Journal of Hazardous Materials</i> , 2022, 424, 127379.	6.5	12
48	Removal of lead ions by two Fe Mn oxide substrate adsorbents. <i>Science of the Total Environment</i> , 2021, 773, 145670.	3.9	10
49	Ozonation of ketoprofen with nitrate in aquatic environments: kinetics, pathways, and toxicity. <i>RSC Advances</i> , 2018, 8, 10541-10548.	1.7	9
50	Oxidation of indometacin by ferrate (VI): kinetics, degradation pathways, and toxicity assessment. <i>Environmental Science and Pollution Research</i> , 2017, 24, 10786-10795.	2.7	8
51	Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> /Bi <sub>2</sub> O <sub>3</sub> Z-scheme photocatalyst with oxygen vacancies and Bi for enhanced visible-light photocatalytic degradation of tetracycline. <i>Environmental Science: Nano</i> , 2022, 9, 2104-2120.	2.2	6