Jingling Yang

List of Publications by Year
in descending order

35 papers	1,652 citations	331670 21 h-index	361022 35 g-index
36 all docs	36 docs citations	36 times ranked	2096 citing authors

#	Article	IF	Citations
1	What is the role of light in persulfate-based advanced oxidation for water treatment?. Water Research, 2021, 189, 116627.	11.3	214
2	Ultrathin Anatase TiO₂ Nanosheets Embedded with TiO₂â€B Nanodomains for Lithiumâ€Ion Storage: Capacity Enhancement by Phase Boundaries. Advanced Energy Materials, 2015, 5, 1401756.	19.5	208
3	Enhanced Performance and Conversion Pathway for Catalytic Ozonation of Methyl Mercaptan on Single-Atom Ag Deposited Three-Dimensional Ordered Mesoporous MnO₂. Environmental Science & Technology, 2018, 52, 13399-13409.	10.0	134
4	Enhanced durability of nitric oxide removal on TiO2 (P25) under visible light: Enabled by the direct Z-scheme mechanism and enhanced structure defects through coupling with C3N5. Applied Catalysis B: Environmental, 2021, 296, 120372.	20.2	96
5	Ordered mesoporous Au/TiO2 nanospheres for solvent-free visible-light-driven plasmonic oxidative coupling reactions of amines. Applied Catalysis B: Environmental, 2018, 231, 283-291.	20.2	92
6	Photo-assisted peroxymonosulfate activation via 2D/2D heterostructure of Ti3C2/g-C3N4 for degradation of diclofenac. Chemosphere, 2020, 258, 127339.	8.2	78
7	Recent progress on the removal of antibiotic pollutants using photocatalytic oxidation process. Critical Reviews in Environmental Science and Technology, 2022, 52, 1401-1448.	12.8	72
8	Active site-directed tandem catalysis on CuO/VO-MnO2 for efficient and stable catalytic ozonation of S-VOCs under mild condition. Nano Today, 2020, 35, 100944.	11.9	69
9	Defect in reduced graphene oxide tailored selectivity of photocatalytic CO2 reduction on Cs4PbBr6 pervoskite hole-in-microdisk structure. Nano Energy, 2020, 78, 105388.	16.0	64
10	Chestnut-Like TiO₂@Î±-Fe₂O₃ Coreâ€“Shell Nanostructures with Abundant Interfaces for Efficient and Ultralong Life Lithium-Ion Storage. ACS Applied Materials & Interfaces, 2017, 9, 354-361.	8.0	56
11	Carbohydrates-Derived Nitrogen-Doped Hierarchical Porous Carbon for Ultrasensitive Detection of 4-Nitrophenol. ACS Sustainable Chemistry and Engineering, 2018, 6, 17391-17401.	6.7	55
12	Advanced nanoporous separators for stable lithium metal electrodeposition at ultra-high current densities in liquid electrolytes. Journal of Materials Chemistry A, 2020, 8, 5095-5104.	10.3	47
13	Enhanced Catalytic Ozonation for Eliminating CH₃SH via Graphene-Supported Positively Charged Atomic Pt Undergoing Pt²⁺/Pt⁴⁺ Redox Cycle. Environmental Science & Technology, 2021, 55, 16723-16734.	10.0	47
14	Realizing a redox-robust Ag/MnO2 catalyst for efficient wet catalytic ozonation of S-VOCs: Promotional role of Ag(0)/Ag(I)-Mn based redox shuttle. Applied Catalysis B: Environmental, 2022, 303, 120881.	20.2	43
15	Three-dimensional hierarchical porous sludge-derived carbon supported on silicon carbide foams as effective and stable Fenton-like catalyst for odorous methyl mercaptan elimination. Journal of Hazardous Materials, 2018, 358, 136-144.	12.4	38
16	Hydroxylamine promoted Fe(III)/Fe(II) cycle on ilmenite surface to enhance persulfate catalytic activation and aqueous pharmaceutical ibuprofen degradation. Catalysis Today, 2020, 358, 294-302.	4.4	34
17	Mycelial pellet-derived heteroatom-doped carbon nanosheets with a three-dimensional hierarchical porous structure for efficient capacitive deionization. Environmental Science: Nano, 2019, 6, 1430-1442.	4.3	33
18	One-step synthesis of silicon carbide foams supported hierarchical porous sludge-derived activated carbon as efficient odor gas adsorbent. Journal of Hazardous Materials, 2018, 344, 33-41.	12.4	28

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19	Diatom-Mimicking Ultrahigh-Flux Mesoporous Silica Thin Membrane with Straight-Through Channels for Selective Protein and Nanoparticle Separations. Chemistry of Materials, 2019, 31, 1745-1751.	6.7	27
20	Efficient ozone decomposition over bifunctional Co3Mn-layered double hydroxide with strong electronic interaction. Chinese Chemical Letters, 2022, 33, 4679-4682.	9.0	24
21	Completely <001> oriented anatase TiO2nanoarrays: topotactic growth and orientation-related efficient photocatalysis. Nanoscale, 2015, 7, 13888-13897.	5.6	22
22	Mesoporous Silica Thin Membrane with Tunable Pore Size for Ultrahigh Permeation and Precise Molecular Separation. ACS Applied Materials & Interfaces, 2020, 12, 7459-7465.	8.0	21
23	In-situ fabrication of AgI-BiOI nanoflake arrays film photoelectrode for efficient wastewater treatment, electricity production and enhanced recovery of copper in photocatalytic fuel cell. Catalysis Today, 2020, 339, 379-390.	4.4	20
24	Highly Selective Conversion of Glycerol to Formic Acid over a Synergistic Au/Phosphotungstic Acid Catalyst under Nanoconfinement. ACS Sustainable Chemistry and Engineering, 2021, 9, 3571-3579.	6.7	18
25	CsPbBr₃ Perovskite Nanocrystal: A Robust Photocatalyst for Realizing NO Abatement. ACS ES&T Engineering, 2021, 1, 1021-1027.	7.6	18
26	Ta-Doped porous TiO₂ nanorod arrays by substrate-assisted synthesis: efficient photoelectrocatalysts for water oxidation. Nanoscale, 2018, 10, 19367-19374.	5.6	15
27	Ultrathin nanobelts-assembled Chinese knot-like 3D TiO2 for fast and stable lithium storage. Nano Research, 2018, 11, 2116-2128.	10.4	14
28	Hierarchical Ta-Doped TiO2 Nanorod Arrays with Improved Charge Separation for Photoelectrochemical Water Oxidation under FTO Side Illumination. Nanomaterials, 2018, 8, 983.	4.1	12
29	Hollow nanocubes constructed from <001> oriented anatase TiO₂nanoarrays: topotactic conversion and fast lithium-ion storage. CrystEngComm, 2017, 19, 2456-2463.	2.6	11
30	Mesoporous silica-supported V-substituted heteropoly acid for efficient selective conversion of glycerol to formic acid. Journal of Saudi Chemical Society, 2020, 24, 1-8.	5.2	10
31	Efficient Catalytic Elimination of CH₃SH by a Wet-Piezotronics System over Ag Cluster-Deposited BaTiO₃ with Electronic Metalâ€“Support Interaction. ACS ES&T Engineering, 2022, 2, 1179-1187.	7.6	10
32	Realizing ultrathin silica membranes with straight-through channels for high-performance organic solvent nanofiltration (OSN). Journal of Membrane Science, 2021, 627, 119224.	8.2	8
33	Mesoporous silica thin films incorporated chitosan mixed matrix nanofiltration membranes for textile wastewater treatment. Journal of the Chinese Chemical Society, 2021, 68, 451-461.	1.4	6
34	Silver embedded in defective twin brush-like ZnO for efficient and stable photocatalytic NO removal. Surfaces and Interfaces, 2021, 25, 101298.	3.0	4
35	Visible-Light-Induced Activity of AgI-BiOI Composites for Removal of Organic Contaminants from Water and Wastewater. ACS Symposium Series, 2013, , 277-290.	0.5	3