Xufang Qian

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/842665/publications.pdf

Version: 2024-02-01

72 papers	4,814 citations	101543 36 h-index	91884 69 g-index
76 all docs	76 docs citations	76 times ranked	6981 citing authors

#	Article	IF	Citations
1	A Selfâ€Template Strategy for the Synthesis of Mesoporous Carbon Nanofibers as Advanced Supercapacitor Electrodes. Advanced Energy Materials, 2011, 1, 382-386.	19.5	359
2	Self-Assembly of Active Bi₂O₃/TiO₂ Visible Photocatalyst with Ordered Mesoporous Structure and Highly Crystallized Anatase. Journal of Physical Chemistry C, 2008, 112, 6258-6262.	3.1	346
3	Hydrothermal Etching Assisted Crystallization: A Facile Route to Functional Yolk-Shell Titanate Microspheres with Ultrathin Nanosheets-Assembled Double Shells. Journal of the American Chemical Society, 2011, 133, 15830-15833.	13.7	278
4	Carbon quantum dots decorated Bi2WO6 nanocomposite with enhanced photocatalytic oxidation activity for VOCs. Applied Catalysis B: Environmental, 2016, 193, 16-21.	20.2	247
5	FeOOH quantum dots coupled g-C3N4 for visible light driving photo- Fenton degradation of organic pollutants. Applied Catalysis B: Environmental, 2018, 237, 513-520.	20.2	231
6	Visible Light Assisted Heterogeneous Fenton-Like Degradation of Organic Pollutant via Î±-FeOOH/Mesoporous Carbon Composites. Environmental Science & Technology, 2017, 51, 3993-4000.	10.0	229
7	A Plasmonic Molybdenum Oxide Hybrid with Reversible Tunability for Visibleâ€Lightâ€Enhanced Catalytic Reactions. Advanced Materials, 2015, 27, 4616-4621.	21.0	174
8	Highly Efficient Utilization of Nano-Fe(0) Embedded in Mesoporous Carbon for Activation of Peroxydisulfate. Environmental Science & Technology, 2019, 53, 9081-9090.	10.0	160
9	A controllable fabrication of grain boundary PbI2 nanoplates passivated lead halide perovskites for high performance solar cells. Nano Energy, 2016, 26, 50-56.	16.0	151
10	Mesoporous TiO 2 films coated on carbon foam based on waste polyurethane for enhanced photocatalytic oxidation of VOCs. Applied Catalysis B: Environmental, 2017, 212, 1-6.	20.2	120
11	Design and Functionalization of Photocatalytic Systems within Mesoporous Silica. ChemSusChem, 2014, 7, 1528-1536.	6.8	109
12	Hydrophilic mesoporous carbon as iron(III)/(II) electron shuttle for visible light enhanced Fenton-like degradation of organic pollutants. Applied Catalysis B: Environmental, 2018, 231, 108-114.	20.2	108
13	Direct Triblock-Copolymer-Templating Synthesis of Highly Ordered Fluorinated Mesoporous Carbon. Chemistry of Materials, 2008, 20, 1012-1018.	6.7	106
14	Binderless and Oxygen Vacancies Rich FeNi/Graphitized Mesoporous Carbon/Ni Foam for Electrocatalytic Reduction of Nitrate. Environmental Science & Technology, 2020, 54, 13344-13353.	10.0	106
15	Potential lead toxicity and leakage issues on lead halide perovskite photovoltaics. Journal of Hazardous Materials, 2022, 426, 127848.	12.4	100
16	Hierarchically tetramodal-porous zeolite ZSM-5 monoliths with template-free-derived intracrystalline mesopores. Chemical Science, 2014, 5, 1565.	7.4	98
17	Controllable fabrication of uniform coreâ€“shell structured zeolite@SBA-15 composites. Chemical Science, 2011, 2, 2006.	7.4	94
18	Singleâ€Crystalâ€like Titania Mesocages. Angewandte Chemie - International Edition, 2011, 50, 1105-1108.	13.8	94

#	Article	IF	Citations
19	In-Situ Crystallization Route to Nanorod-Aggregated Functional ZSM-5 Microspheres. Journal of the American Chemical Society, 2013, 135, 1181-1184.	13.7	84
20	Ionâ€Exchangeâ€Induced 2Dâ€“3D Conversion of HMA_{1â^'x}FA_xPbI₃Cl Perovskite into a Highâ€Quality MA_{1â^'x}FA_xPbI₃ Perovskite. Angewandte Chemie - International Edition, 2016, 55, 13460-13464.	13.8	80
21	Evaluation of magnetic chitosan beads for adsorption of heavy metal ions. Science of the Total Environment, 2018, 627, 1396-1403.	8.0	72
22	Multiwall carbon nanotube@mesoporous carbon with core-shell configuration: a well-designed composite-structure toward electrochemical capacitor application. Journal of Materials Chemistry, 2011, 21, 13025.	6.7	68
23	Sulfurated [NiFe]-based layered double hydroxides nanoparticles as efficient co-catalysts for photocatalytic hydrogen evolution using CdTe/CdS quantum dots. Applied Catalysis B: Environmental, 2017, 209, 155-160.	20.2	66
24	CdTe/CdS Core/Shell Quantum Dots Cocatalyzed by Sulfur Tolerant [Mo₃S₁₃]^{2â€“} Nanoclusters for Efficient Visible-Light-Driven Hydrogen Evolution. ACS Sustainable Chemistry and Engineering, 2016, 4, 6653-6658.	6.7	61
25	NiFe Layered Double Hydroxide (LDH) Nanosheet Catalysts with Fe as Electron Transfer Mediator for Enhanced Persulfate Activation. Journal of Physical Chemistry Letters, 2020, 11, 968-973.	4.6	59
26	A metal-free visible light active photo-electro-Fenton-like cell for organic pollutants degradation. Applied Catalysis B: Environmental, 2018, 229, 211-217.	20.2	58
27	Overcoming Acidic H₂O₂/Fe(II/III) Redox-Induced Low H₂O₂ Utilization Efficiency by Carbon Quantum Dots Fenton-like Catalysis. Environmental Science & Technology, 2022, 56, 2617-2625.	10.0	54
28	Generalized synthesis of coreâ€“shell structured nano-zeolite@ordered mesoporous silica composites. Catalysis Today, 2013, 204, 2-7.	4.4	53
29	Photocatalytic remediation of ionic pollutant. Science Bulletin, 2015, 60, 1791-1806.	9.0	53
30	Silver Nanoparticles Supported on CeO₂â€SBAâ€15 by Microwave Irradiation Possess Metalâ€“Support Interactions and Enhanced Catalytic Activity. Chemistry - A European Journal, 2014, 20, 15746-15752.	3.3	52
31	CaMnO3 perovskite nanocrystals for efficient peroxydisulfate activation. Chemical Engineering Journal, 2020, 398, 125638.	12.7	51
32	A general non-CH₃NH₃X (X = I, Br) one-step deposition of CH₃NH₃PbX₃ perovskite for high performance solar cells. Journal of Materials Chemistry A, 2016, 4, 3245-3248.	10.3	47
33	Secondary battery inspired NiO nanosheets with rich Ni(III) defects for enhancing persulfates activation in phenolic waste water degradation. Chemical Engineering Journal, 2019, 360, 97-103.	12.7	46
34	Peroxydisulfate activation by photo-generated charges on mesoporous carbon nitride for removal of chlorophenols. Applied Catalysis B: Environmental, 2021, 296, 120370.	20.2	42
35	CuO nanosheet as a recyclable Fenton-like catalyst prepared from simulated Cu(<scp>ii</scp>) waste effluents by alkaline H₂O₂ reaction. Environmental Science: Nano, 2019, 6, 105-114.	4.3	41
36	A highly efficient nanoporous BiVO4 photoelectrode with enhanced interface charge transfer Co-catalyzed by molecular catalyst. Applied Catalysis B: Environmental, 2018, 225, 504-511.	20.2	40

#	Article	IF	Citations
37	Synergy effect in photodegradation of contaminants from water using ordered mesoporous carbon-based titania catalyst. Applied Catalysis B: Environmental, 2014, 146, 151-161.	20.2	35
38	Highly photocatalytic active thiomolybdate [Mo 3 S 13] 2â˜' clusters/BiOBr nanocomposite with enhanced sulfur tolerance. Applied Catalysis B: Environmental, 2016, 183, 1-7.	20.2	35
39	Effective removal of chlorinated organic pollutants by bimetallic iron-nickel sulfide activation of peroxydisulfate. Chinese Chemical Letters, 2020, 31, 1535-1539.	9.0	34
40	Microwave-antenna induced in situ synthesis of Cu nanowire threaded ZIF-8 with enhanced catalytic activity in H₂production. Nanoscale, 2016, 8, 7749-7754.	5.6	32
41	Electrochemical Reactors for Continuous Decentralized H₂O₂ Production. Angewandte Chemie - International Edition, 2022, 61, .	13.8	31
42	[Mo3S13]2â˜' modified TiO2 coating on non-woven fabric for efficient photocatalytic mineralization of acetone. Applied Catalysis B: Environmental, 2019, 245, 190-196.	20.2	30
43	A facile route to cage-like mesoporous silica coated ZSM-5 combined with Pt immobilization. Journal of Materials Chemistry A, 2013, 1, 7525.	10.3	29
44	Synthesis of ordered mesoporous crystalline carbonâ€“anatase composites with high titania contents. Journal of Colloid and Interface Science, 2008, 328, 367-373.	9.4	28
45	The stability of magnetic chitosan beads in the adsorption of Cu²⁺. RSC Advances, 2016, 6, 2678-2686.	3.6	27
46	Highly Active IrO_x Nanoparticles/Black Si Electrode for Efficient Water Splitting with Conformal TiO₂ Interface Engineering. ACS Sustainable Chemistry and Engineering, 2017, 5, 10940-10946.	6.7	27
47	Secondary battery inspired Î±-nickel hydroxide as an efficient Ni-based heterogeneous catalyst for sulfate radical activation. Science Bulletin, 2018, 63, 278-281.	9.0	25
48	A Tandem Water Splitting Cell Based on Nanoporous BiVO₄ Photoanode Cocatalyzed by Ultrasmall Cobalt Borate Sandwiched with Conformal TiO₂ Layers. ACS Sustainable Chemistry and Engineering, 2018, 6, 16228-16234.	6.7	25
49	In-Situ Confined Growth of Monodisperse Pt Nanoparticle@Graphene Nanobox Composites as Electrocatalytic Nanoreactors. Small, 2015, 11, 1003-1010.	10.0	24
50	The ClOÂ· generation and chlorate suppression in photoelectrochemical reactive chlorine species systems on BiVO4 photoanodes. Applied Catalysis B: Environmental, 2021, 296, 120387.	20.2	24
51	Potassium stabilization of methylammonium lead bromide perovskite for robust photocatalytic H₂ generation. EcoMat, 2020, 2, e12015.	11.9	23
52	Controlling the Gasâ€“Water Interface to Enhance Photocatalytic Degradation of Volatile Organic Compounds. ACS ES&T Engineering, 2021, 1, 1140-1148.	7.6	23
53	Lead Stabilization and Iodine Recycling of Lead Halide Perovskite Solar Cells. ACS Sustainable Chemistry and Engineering, 2021, 9, 16519-16525.	6.7	19
54	In situ gas/solid reaction for the formation of luminescent quantum confined CH₃NH₃PbBr₃ perovskite planar film. Chemical Communications, 2016, 52, 11080-11083.	4.1	18

#	Article	IF	Citations
55	Hierarchical mesoporous/microporous carbon with graphitized frameworks for high-performance lithium-ion batteries. APL Materials, 2014, 2, 113302.	5.1	17
56	Ferric (hydr)oxide/mesoporous carbon composites as Fenton-like catalysts for degradation of phenol. Research on Chemical Intermediates, 2018, 44, 4103-4117.	2.7	17
57	Fast synthesis of anatase TiO2 single crystals by a facile solid-state method. Research on Chemical Intermediates, 2016, 42, 5975-5981.	2.7	16
58	Siteâ€Specific Carbon Deposition for Hierarchically Ordered Core/Shellâ€Structured Graphitic Carbon with Remarkable Electrochemical Performance. ChemSusChem, 2013, 6, 1938-1944.	6.8	15
59	Highly photocatalytic active thiomolybdate [Mo 3 S 13] 2â˜ clusters/Bi 2 WO 6 nanocomposites. Catalysis Today, 2016, 274, 22-27.	4.4	13
60	A simple fabrication of CH₃NH₃PbI₃ perovskite for solar cells using low-purity PbI₂. Journal of Semiconductors, 2017, 38, 014004.	3.7	12
61	Electrochemical Reactors for Continuous Decentralized H₂O₂ Production. Angewandte Chemie, 2022, 134, .	2.0	12
62	Structure design of mesoporous carbons by blending PEOâ€“PPOâ€“PEO-type and PPOâ€“PEOâ€“PPO-type amphiphilic block copolymers in organicâ€“organic self-assembly. Microporous and Mesoporous Materials, 2011, 141, 26-37.	4.4	10
63	Ionâ€Exchangeâ€Induced 2Dâ€“3D Conversion of HMA_{1â˜x}FA_xPbI₃Cl Perovskite into a Highâ€Quality MA_{1â˜x}FA_xPbI₃ Perovskite. Angewandte Chemie, 2016, 128, 13658-13662.	2.0	9
64	Mechanochemically sulfured FeS1.92 as stable and efficient heterogeneous Fenton catalyst. Chinese Chemical Letters, 2020, 31, 1978-1981.	9.0	9
65	Modification of Tiâ€doped Hematite Photoanode with Quasiâ€molecular Cocatalyst: A Comparison of Improvement Mechanism Between Nonâ€noble and Noble Metals. ChemSusChem, 2021, 14, 2180-2187.	6.8	9
66	Design of Advanced Functional Materials Using Nanoporous Singleâ€Site Photocatalysts. Chemical Record, 2020, 20, 660-671.	5.8	7
67	Hybrid Phase MoS₂ as a Noble Metal-Free Photocatalyst for Conversion of Nitroaromatics to Aminoaromatics. Journal of Physical Chemistry C, 2021, 125, 20887-20895.	3.1	7
68	Nano-Fe(0)/mesoporous carbon supported on biochar for activating peroxydisulfate to remove polycyclic aromatics hydrocarbons. Emergent Materials, 2020, 3, 307-313.	5.7	5
69	Ordered mesoporous carbon-based titania as a reusable adsorbent-catalyst for removing phenol from water. Chinese Journal of Catalysis, 2013, 34, 1066-1075.	14.0	4
70	A triblock-copolymer-templating route to carbon spheres@SBA-15 large mesopore coreâ€“shell and hollow structures. RSC Advances, 2014, 4, 48676-48681.	3.6	4
71	Design and Functionalization of Photocatalytic Systems within Mesoporous Silica. ChemSusChem, 2014, 7, 1495-1495.	6.8	3
72	Frontispiece: Silver Nanoparticles Supported on CeO2-SBA-15 by Microwave Irradiation Possess Metal-Support Interactions and Enhanced Catalytic Activity. Chemistry - A European Journal, 2014, 20, n/a-n/a.	3.3	0