

# Pengpeng Qiu

## List of Publications by Year in descending order

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35  
papers

1,135  
citations

430442

18  
h-index

395343

33  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1358  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spherical Mesoporous Materials from Single to Multilevel Architectures. <i>Accounts of Chemical Research</i> , 2019, 52, 2928-2938.	7.6	142
2	A review on heterogeneous sonocatalyst for treatment of organic pollutants in aqueous phase based on catalytic mechanism. <i>Ultrasonics Sonochemistry</i> , 2018, 45, 29-49.	3.8	126
3	Hierarchical Branched Mesoporous TiO <sub>2</sub> /SnO <sub>2</sub> Nanocomposites with Well-Defined Heterojunctions for Highly Efficient Ethanol Sensing. <i>Advanced Science</i> , 2019, 6, 1902008.	5.6	84
4	Uniform core-shell structured magnetic mesoporous TiO <sub>2</sub> nanospheres as a highly efficient and stable sonocatalyst for the degradation of bisphenol-A. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6492-6500.	5.2	70
5	A review on sonoelectrochemical technology as an upcoming alternative for pollutant degradation. <i>Ultrasonics Sonochemistry</i> , 2015, 27, 210-234.	3.8	66
6	Sub-nanometric Manganous Oxide Clusters in Nitrogen Doped Mesoporous Carbon Nanosheets for High-Performance Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2021, 21, 700-708.	4.5	60
7	Modulating the Electronic Structure of FeCo Nanoparticles in N-Doped Mesoporous Carbon for Efficient Oxygen Reduction Reaction. <i>Advanced Science</i> , 2022, 9, e2200394.	5.6	52
8	Mesoporous Materials-Based Electrochemical Biosensors from Enzymatic to Nonenzymatic. <i>Small</i> , 2021, 17, e1904022.	5.2	49
9	Constructing Structurally Ordered High-Entropy Alloy Nanoparticles on Nitrogen-Rich Mesoporous Carbon Nanosheets for High-Performance Oxygen Reduction. <i>Advanced Materials</i> , 2022, 34, e2110128.	11.1	44
10	Enhanced sonocatalytic treatment of ibuprofen by mechanical mixing and reusable magnetic core titanium dioxide. <i>Chemical Engineering Journal</i> , 2015, 264, 522-530.	6.6	41
11	Gradient Hierarchically Porous Structure for Rapid Capillary-Assisted Catalysis. <i>Journal of the American Chemical Society</i> , 2022, 144, 6091-6099.	6.6	38
12	Ordered mesoporous C/TiO <sub>2</sub> composites as advanced sonocatalysts. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16452-16458.	5.2	37
13	Pushing the Limit of Ordered Mesoporous Materials via 2D Self-Assembly for Energy Conversion and Storage. <i>Advanced Functional Materials</i> , 2021, 31, 2007496.	7.8	36
14	BiVO <sub>4</sub> /Bi <sub>2</sub> O <sub>3</sub> heterojunction deposited on graphene for an enhanced visible-light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2017, 706, 7-15.	2.8	32
15	Development and application of Fe <sub>3</sub> O <sub>4</sub> @Pd nanospheres as catalyst for electrochemical-heterogeneous Fenton process. <i>Chemical Engineering Journal</i> , 2016, 284, 1165-1173.	6.6	31
16	A Robust Hierarchical MXene/Ni/Aluminosilicate Glass Composite for High-Performance Microwave Absorption. <i>Advanced Science</i> , 2022, 9, e2104163.	5.6	29
17	A confined micro-reactor with a movable Fe <sub>3</sub> O <sub>4</sub> core and a mesoporous TiO <sub>2</sub> shell for a photocatalytic Fenton-like degradation of bisphenol A. <i>Chinese Chemical Letters</i> , 2021, 32, 1456-1461.	4.8	27
18	Magnetic Pd@Fe <sub>3</sub> O <sub>4</sub> composite nanostructure as recoverable catalyst for sonoelectrohybrid degradation of ibuprofen. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 262-272.	3.8	21

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19	Preparation and characterization of magnetic-core titanium dioxide: Implications for photocatalytic removal of ibuprofen. <i>Journal of Molecular Catalysis A</i> , 2014, 390, 178-186.	4.8	18
20	Facile synthesis of uniform yolk-shell structured magnetic mesoporous silica as an advanced photo-Fenton-like catalyst for degrading rhodamine B. <i>RSC Advances</i> , 2015, 5, 96201-96204.	1.7	18
21	Incorporating Cobalt Nanoparticles in Nitrogen-Doped Mesoporous Carbon Spheres through Composite Micelle Assembly for High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 38604-38612.	4.0	17
22	Confined interfacial micelle aggregating assembly of ordered macro-mesoporous tungsten oxides for H <sub>2</sub> S sensing. <i>Nanoscale</i> , 2020, 12, 20811-20819.	2.8	15
23	Interfacial engineering of core-shell structured mesoporous architectures from single-micelle building blocks. <i>Nano Today</i> , 2020, 35, 100940.	6.2	12
24	Yolk-shell structured Fe@mesoporous silica with high magnetization for activating peroxydisulfate. <i>Chinese Chemical Letters</i> , 2020, 31, 2003-2006.	4.8	11
25	Mesoporous TiO <sub>2</sub> encapsulating a visible-light responsive upconversion agent for enhanced sonocatalytic degradation of bisphenol-A. <i>RSC Advances</i> , 2016, 6, 37434-37442.	1.7	9
26	A Universal Single-Atom Coating Strategy Based on Tannic Acid Chemistry for Multifunctional Heterogeneous Catalysis. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	9
27	Solution-phase synthesis of ordered mesoporous carbon as resonant-gravimetric sensing material for room-temperature H <sub>2</sub> S detection. <i>Chinese Chemical Letters</i> , 2020, 31, 1680-1685.	4.8	7
28	Ordered mesoporous carbon-silica frameworks confined magnetic mesoporous TiO <sub>2</sub> as an efficient catalyst under acoustic cavitation energy. <i>Journal of Materials</i> , 2020, 6, 45-53.	2.8	7
29	Recent advances on the synthesis of mesoporous metals for electrocatalytic methanol oxidation. <i>Emergent Materials</i> , 2020, 3, 291-306.	3.2	7
30	Ultra-low temperature preparation of mullite glass-ceramics with high transparency sintered from EMT-type zeolite. <i>Journal of the American Ceramic Society</i> , 2021, 104, 3158-3166.	1.9	6
31	Oriented assembly of monomicelles in beam stream enabling bimodal mesoporous metal oxide nanofibers. <i>Science China Materials</i> , 2021, 64, 2486-2496.	3.5	6
32	The nonlinear optical properties of silver nanoparticles decorated glass obtained from sintering mesoporous powders. <i>Journal of the American Ceramic Society</i> , 2021, 104, 2571-2578.	1.9	3
33	Facile synthesis of uniform magnetic graphitic carbon for an efficient adsorption of pentachlorophenol. <i>RSC Advances</i> , 2017, 7, 35012-35015.	1.7	2
34	Self-organization of unimolecular micelles in beam stream for functional mesoporous metal oxide nanofibers. <i>Fundamental Research</i> , 2022, 2, 776-782.	1.6	2
35	Atomistic Site Control of Pd in Crystalline MnO <sub>2</sub> Nanofiber for Enhanced Electrocatalysis. <i>Advanced Materials Interfaces</i> , 2021, 8, 2002060.	1.9	1