

# WeiQi Qian

## List of Publications by Year in descending order

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12  
papers

843  
citations

840776

11  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

683  
citing authors

#	ARTICLE	IF	CITATIONS
1	Piezoelectric Material-Polymer Composite Porous Foam for Efficient Dye Degradation via the Piezo-Catalytic Effect. ACS Applied Materials & Interfaces, 2019, 11, 27862-27869.	8.0	156
2	Strong piezo-electrochemical effect of multiferroic BiFeO <sub>3</sub> square micro-sheets for mechanocatalysis. Electrochemistry Communications, 2017, 79, 55-58.	4.7	114
3	Thermo-electrochemical coupling for room temperature thermocatalysis in pyroelectric ZnO nanorods. Electrochemistry Communications, 2017, 81, 124-127.	4.7	88
4	Piezoelectric Materials for Controlling Electro-Chemical Processes. Nano-Micro Letters, 2020, 12, 149.	27.0	87
5	Differences and Similarities of Photocatalysis and Electrocatalysis in Two-Dimensional Nanomaterials: Strategies, Traps, Applications and Challenges. Nano-Micro Letters, 2021, 13, 156.	27.0	71
6	A coupled photo-piezo-catalytic effect in a BST-PDMS porous foam for enhanced dye wastewater degradation. Nano Energy, 2020, 77, 105305.	16.0	70
7	Pyroelectrically Induced Pyro-Electro-Chemical Catalytic Activity of BaTiO <sub>3</sub> Nanofibers under Room-Temperature Cold-Hot Cycle Excitations. Metals, 2017, 7, 122.	2.3	68
8	Wireless Monitoring of Small Strains in Intelligent Robots via a Joule Heating Effect in Stretchable Graphene-Polymer Nanocomposites. Advanced Functional Materials, 2020, 30, 1910809.	14.9	68
9	Stretching-enhanced triboelectric nanogenerator for efficient wind energy scavenging and ultrasensitive strain sensing. Nano Energy, 2020, 75, 104920.	16.0	62
10	Electric-field-treatment-induced enhancement of photoluminescence in Er <sup>3+</sup> -doped (Ba <sub>0.95</sub> Sr <sub>0.05</sub> )(Zr <sub>0.1</sub> Ti <sub>0.9</sub> )O <sub>3</sub> piezoelectric ceramic. Materials Letters, 2016, 184, 131-133.	2.6	26
11	Self-Powered Wireless Monitoring of Obstacle Position and State in Gas Pipe via Flow-Driven Triboelectric Nanogenerators. Advanced Materials Technologies, 2020, 5, 2000466.	5.8	23
12	Ferroelectric BaTiO <sub>3</sub> Based Multi-Effects Coupled Materials and Devices. Advanced Electronic Materials, 2022, 8, .	5.1	10