

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