

# Qitao Zhou

## List of Publications by Citations

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35  
papers

965  
citations

19  
h-index

30  
g-index

38  
ext. papers

1,207  
ext. citations

12.2  
avg, IF

4.73  
L-index

#	Paper	IF	Citations
35	MXene artificial muscles based on ionically cross-linked TICT electrode for kinetic soft robotics. <i>Science Robotics</i> , <b>2019</b> , 4,	18.6	93
34	High humidity- and contamination-resistant triboelectric nanogenerator with superhydrophobic interface. <i>Nano Energy</i> , <b>2019</b> , 57, 903-910	17.1	73
33	Synthesis and photoluminescence properties of Sm <sup>3+</sup> -doped CaWO <sub>4</sub> nanoparticles. <i>Journal of Luminescence</i> , <b>2010</b> , 130, 1092-1094	3.8	71
32	A flexible transparent Ag-NC@PE film as a cut-and-paste SERS substrate for rapid in situ detection of organic pollutants. <i>Analyst</i> , <b>2016</b> , 141, 5864-5869	5	63
31	Review of microfluidic approaches for surface-enhanced Raman scattering. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 227, 504-514	8.5	61
30	Ag-nanoparticle-decorated porous ZnO-nanosheets grafted on a carbon fiber cloth as effective SERS substrates. <i>Nanoscale</i> , <b>2014</b> , 6, 15280-5	7.7	49
29	Nanochannel-Assisted Perovskite Nanowires: From Growth Mechanisms to Photodetector Applications. <i>ACS Nano</i> , <b>2018</b> , 12, 8406-8414	16.7	47
28	Multimodal and Covert-Overt Convertible Structural Coloration Transformed by Mechanical Stress. <i>Advanced Materials</i> , <b>2020</b> , 32, e2001467	24	41
27	Hierarchical and ultrathin copper nanosheets synthesized via galvanic replacement for selective electrocatalytic carbon dioxide conversion to carbon monoxide. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 255, 117736	21.8	40
26	Transparent-flexible-multimodal triboelectric nanogenerators for mechanical energy harvesting and self-powered sensor applications. <i>Nano Energy</i> , <b>2018</b> , 48, 471-480	17.1	40
25	Ag-nanoparticles-decorated NiO-nanoflakes grafted Ni-nanorod arrays stuck out of porous AAO as effective SERS substrates. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 3686-92	3.6	35
24	Treefrog Toe Pad-Inspired Micropatterning for High-Power Triboelectric Nanogenerator. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1901638	15.6	33
23	Characterizing self-assembly and deposition behavior of nanoparticles in inkjet-printed evaporating droplets. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 252, 1063-1070	8.5	30
22	Photocatalytic decolorization of methylene blue over monoclinic pyrochlore-type Pb <sub>2</sub> Nb <sub>2</sub> O <sub>7</sub> under visible light irradiation. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 468, L9-L12	5.7	25
21	A silver-grafted sponge as an effective surface-enhanced Raman scattering substrate. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 258, 56-63	8.5	24
20	Nest-inspired nanosponge-Cu woven mesh hybrid for ultrastable and high-power triboelectric nanogenerator. <i>Nano Energy</i> , <b>2020</b> , 71, 104561	17.1	21
19	Dipping into a drink: Basil-seed supported silver nanoparticles as surface-enhanced Raman scattering substrates for toxic molecule detection. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 223, 447-452	8.5	21

18	Triboelectric Nanogenerator-Based Sensor Systems for Chemical or Biological Detection. <i>Advanced Materials</i> , <b>2021</b> , 33, e2008276	24	21
17	Incorporation of a Basil-Seed-Based Surface Enhanced Raman Scattering Sensor with a Pipet for Detection of Melamine. <i>ACS Sensors</i> , <b>2016</b> , 1, 1193-1197	9.2	20
16	Integrated dielectric-electrode layer for triboelectric nanogenerator based on Cu nanowire-Mesh hybrid electrode. <i>Nano Energy</i> , <b>2019</b> , 59, 120-128	17.1	19
15	A Hierarchical Nanostructure-Based Surface-Enhanced Raman Scattering Sensor for Preconcentration and Detection of Antibiotic Pollutants. <i>Advanced Materials Technologies</i> , <b>2017</b> , 2, 1700028	6.8	17
14	A Surface-Enhanced Raman Scattering Sensor Integrated with Battery-Controlled Fluidic Device for Capture and Detection of Trace Small Molecules. <i>Scientific Reports</i> , <b>2015</b> , 5, 12865	4.9	17
13	Flow-induced snap-through triboelectric nanogenerator. <i>Nano Energy</i> , <b>2020</b> , 68, 104379	17.1	17
12	A cracking-assisted micro-/nanofluidic fabrication platform for silver nanobelt arrays and nanosensors. <i>Nanoscale</i> , <b>2017</b> , 9, 9622-9630	7.7	16
11	Micro-/Nanofluidics for Liquid-Mediated Patterning of Hybrid-Scale Material Structures. <i>Advanced Materials</i> , <b>2019</b> , 31, e1804953	24	16
10	Inkjet-printed Ag micro-/nanostructure clusters on Cu substrates for in-situ pre-concentration and surface-enhanced Raman scattering. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 243, 176-183	8.5	15
9	Electrocatalytic Hydrogen Evolution Reaction Related to Nanochannel Materials. <i>Small Structures</i> , <b>2021</b> , 2, 2100076	8.7	10
8	Controlled open-cell two-dimensional liquid foam generation for micro- and nanoscale patterning of materials. <i>Nature Communications</i> , <b>2019</b> , 10, 3209	17.4	8
7	Ordered arrays of Ag nanodendrite clusters as effective surface-enhanced Raman scattering substrates. <i>RSC Advances</i> , <b>2016</b> , 6, 26490-26494	3.7	7
6	Portable triboelectric microfluidic system for self-powered sensors towards in-situ detection. <i>Nano Energy</i> , <b>2021</b> , 85, 105980	17.1	7
5	Bimetallic strip based triboelectric nanogenerator for self-powered high temperature alarm system. <i>Nano Today</i> , <b>2022</b> , 43, 101437	17.9	3
4	Structural Color Platforms: Multimodal and Covert/Oververt Convertible Structural Coloration Transformed by Mechanical Stress (Adv. Mater. 25/2020). <i>Advanced Materials</i> , <b>2020</b> , 32, 2070192	24	2
3	Heterogeneous semiconductor nanowire array for sensitive broadband photodetector by crack photolithography-based micro-/nanofluidic platforms.. <i>RSC Advances</i> , <b>2020</b> , 10, 23712-23719	3.7	1
2	High rotational speed hand-powered triboelectric nanogenerator toward a battery-free point-of-care detection system.. <i>RSC Advances</i> , <b>2021</b> , 11, 23221-23227	3.7	1
1	Nanometal Thermocatalysts: Transformations, Deactivation, and Mitigation. <i>Small</i> , <b>2021</b> , 17, e2005771	11	1

