

# Qitao Zhou

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,484  
citations

279487

23  
h-index

360668

35  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2211  
citing authors

#	ARTICLE	IF	CITATIONS
1	MXene artificial muscles based on ionically cross-linked Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> electrode for kinetic soft robotics. <i>Science Robotics</i> , 2019, 4, .	9.9	169
2	High humidity- and contamination-resistant triboelectric nanogenerator with superhydrophobic interface. <i>Nano Energy</i> , 2019, 57, 903-910.	8.2	119
3	Triboelectric Nanogenerator-Based Sensor Systems for Chemical or Biological Detection. <i>Advanced Materials</i> , 2021, 33, e2008276.	11.1	108
4	Synthesis and photoluminescence properties of Sm <sup>3+</sup> -doped CaWO <sub>4</sub> nanoparticles. <i>Journal of Luminescence</i> , 2010, 130, 1092-1094.	1.5	81
5	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> , 2016, 141, 5864-5869.	1.7	76
6	Review of microfluidic approaches for surface-enhanced Raman scattering. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 504-514.	4.0	72
7	Multimodal and Covert Overt Convertible Structural Coloration Transformed by Mechanical Stress. <i>Advanced Materials</i> , 2020, 32, e2001467.	11.1	66
8	Transparent-flexible-multimodal triboelectric nanogenerators for mechanical energy harvesting and self-powered sensor applications. <i>Nano Energy</i> , 2018, 48, 471-480.	8.2	63
9	Nanochannel-Assisted Perovskite Nanowires: From Growth Mechanisms to Photodetector Applications. <i>ACS Nano</i> , 2018, 12, 8406-8414.	7.3	56
10	Treefrog Toe Pad-Inspired Micropatterning for High-Power Triboelectric Nanogenerator. <i>Advanced Functional Materials</i> , 2019, 29, 1901638.	7.8	56
11	Hierarchical and ultrathin copper nanosheets synthesized via galvanic replacement for selective electrocatalytic carbon dioxide conversion to carbon monoxide. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117736.	10.8	56
12	Ag-nanoparticle-decorated porous ZnO-nanosheets grafted on a carbon fiber cloth as effective SERS substrates. <i>Nanoscale</i> , 2014, 6, 15280-15285.	2.8	53
13	Ag-nanoparticles-decorated NiO-nanoflakes grafted Ni-nanorod arrays stuck out of porous AAO as effective SERS substrates. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 3686.	1.3	39
14	Flow-induced snap-through triboelectric nanogenerator. <i>Nano Energy</i> , 2020, 68, 104379.	8.2	38
15	Characterizing self-assembly and deposition behavior of nanoparticles in inkjet-printed evaporating droplets. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 1063-1070.	4.0	37
16	Integrated dielectric-electrode layer for triboelectric nanogenerator based on Cu nanowire-Mesh hybrid electrode. <i>Nano Energy</i> , 2019, 59, 120-128.	8.2	37
17	Electrocatalytic Hydrogen Evolution Reaction Related to Nanochannel Materials. <i>Small Structures</i> , 2021, 2, 2100076.	6.9	36
18	A silver-grafted sponge as an effective surface-enhanced Raman scattering substrate. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 56-63.	4.0	34

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19	Micro-/Nanofluidics for Liquid-Mediated Patterning of Hybrid-Scale Material Structures. <i>Advanced Materials</i> , 2019, 31, e1804953.	11.1	30
20	Photocatalytic decolorization of methylene blue over monoclinic pyrochlore-type $Pb_2Nb_2O_7$ under visible light irradiation. <i>Journal of Alloys and Compounds</i> , 2009, 468, L9-L12.	2.8	29
21	Incorporation of a Basil-Seed-Based Surface Enhanced Raman Scattering Sensor with a Pipet for Detection of Melamine. <i>ACS Sensors</i> , 2016, 1, 1193-1197.	4.0	29
22	Nest-inspired nanosponge-Cu woven mesh hybrid for ultrastable and high-power triboelectric nanogenerator. <i>Nano Energy</i> , 2020, 71, 104561.	8.2	29
23	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> , 2016, 223, 447-452.	4.0	23
24	Portable triboelectric microfluidic system for self-powered sensors towards in-situ detection. <i>Nano Energy</i> , 2021, 85, 105980.	8.2	23
25	A Hierarchical Nanostructure-Based Surface-Enhanced Raman Scattering Sensor for Preconcentration and Detection of Antibiotic Pollutants. <i>Advanced Materials Technologies</i> , 2017, 2, 1700028.	3.0	20
26	Inkjet-printed Ag micro-/nanosstructure clusters on Cu substrates for in-situ pre-concentration and surface-enhanced Raman scattering. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 176-183.	4.0	20
27	A Surface-Enhanced Raman Scattering Sensor Integrated with Battery-Controlled Fluidic Device for Capture and Detection of Trace Small Molecules. <i>Scientific Reports</i> , 2015, 5, 12865.	1.6	19
28	A cracking-assisted micro-/nanofluidic fabrication platform for silver nanobelt arrays and nanosensors. <i>Nanoscale</i> , 2017, 9, 9622-9630.	2.8	18
29	Bimetallic strip based triboelectric nanogenerator for self-powered high temperature alarm system. <i>Nano Today</i> , 2022, 43, 101437.	6.2	12
30	Controlled open-cell two-dimensional liquid foam generation for micro- and nanoscale patterning of materials. <i>Nature Communications</i> , 2019, 10, 3209.	5.8	10
31	Ordered arrays of Ag nanodendrite clusters as effective surface-enhanced Raman scattering substrates. <i>RSC Advances</i> , 2016, 6, 26490-26494.	1.7	7
32	Structural Color Platforms: Multimodal and Covert-Overt Convertible Structural Coloration Transformed by Mechanical Stress ( <i>Adv. Mater.</i> 25/2020). <i>Advanced Materials</i> , 2020, 32, 2070192.	11.1	6
33	Nanometal Thermocatalysts: Transformations, Deactivation, and Mitigation. <i>Small</i> , 2021, 17, e2005771.	5.2	6
34	High rotational speed hand-powered triboelectric nanogenerator toward a battery-free point-of-care detection system. <i>RSC Advances</i> , 2021, 11, 23221-23227.	1.7	4
35	Heterogeneous semiconductor nanowire array for sensitive broadband photodetector by crack photolithography-based micro-/nanofluidic platforms. <i>RSC Advances</i> , 2020, 10, 23712-23719.	1.7	3
36	Inkjet-printed AG micro-/nanosstructure clusters on CU substrates for in-situ pre-concentration and surface-enhanced Raman scattering. , 2017, , .		0

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37	Permanent encapsulation of nanoparticle patterns formed by inkjet printer for transparent and flexible anti-counterfeit applications., 2017, , .		0