

Dianpeng Qi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57
papers

5,464
citations

39
h-index

62
g-index

62
ext. papers

6,629
ext. citations

17.8
avg, IF

5.81
L-index

#	Paper	IF	Citations
57	High-Performance Photothermal Conversion of Narrow-Bandgap Ti O Nanoparticles. <i>Advanced Materials</i> , 2017 , 29, 1603730	24	529
56	Quadruple H-Bonding Cross-Linked Supramolecular Polymeric Materials as Substrates for Stretchable, Antitearing, and Self-Healable Thin Film Electrodes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5280-5289	16.4	312
55	Design of Architectures and Materials in In-Plane Micro-supercapacitors: Current Status and Future Challenges. <i>Advanced Materials</i> , 2017 , 29, 1602802	24	295
54	3D Printed Photoresponsive Devices Based on Shape Memory Composites. <i>Advanced Materials</i> , 2017 , 29, 1701627	24	257
53	Thickness-Gradient Films for High Gauge Factor Stretchable Strain Sensors. <i>Advanced Materials</i> , 2015 , 27, 6230-7	24	230
52	Suspended Wavy Graphene Microribbons for Highly Stretchable Microsupercapacitors. <i>Advanced Materials</i> , 2015 , 27, 5559-66	24	228
51	Auxetic Mechanical Metamaterials to Enhance Sensitivity of Stretchable Strain Sensors. <i>Advanced Materials</i> , 2018 , 30, e1706589	24	213
50	Enhanced Cathodic Oxygen Reduction and Power Production of Microbial Fuel Cell Based on Noble-Metal-Free Electrocatalyst Derived from Metal-Organic Frameworks. <i>Advanced Energy Materials</i> , 2016 , 6, 1501497	21.8	207
49	Editable Supercapacitors with Customizable Stretchability Based on Mechanically Strengthened Ultralong MnO Nanowire Composite. <i>Advanced Materials</i> , 2018 , 30, 1704531	24	202
48	Plasticizing Silk Protein for On-Skin Stretchable Electrodes. <i>Advanced Materials</i> , 2018 , 30, e1800129	24	160
47	Surface Strain Redistribution on Structured Microfibers to Enhance Sensitivity of Fiber-Shaped Stretchable Strain Sensors. <i>Advanced Materials</i> , 2018 , 30, 1704229	24	159
46	Soft Thermal Sensor with Mechanical Adaptability. <i>Advanced Materials</i> , 2016 , 28, 9175-9181	24	155
45	Conductive Inks Based on a Lithium Titanate Nanotube Gel for High-Rate Lithium-Ion Batteries with Customized Configuration. <i>Advanced Materials</i> , 2016 , 28, 1567-76	24	154
44	Stretchable Organic Semiconductor Devices. <i>Advanced Materials</i> , 2016 , 28, 9243-9265	24	139
43	Calcuable Polymer Membrane with Revivability for Efficient Oily-Water Remediation. <i>Advanced Materials</i> , 2018 , 30, e1801870	24	139
42	Skin-Inspired Haptic Memory Arrays with an Electrically Reconfigurable Architecture. <i>Advanced Materials</i> , 2016 , 28, 1559-66	24	135
41	Highly Efficient Phosphate Scavenger Based on Well-Dispersed La(OH) ₃ Nanorods in Polyacrylonitrile Nanofibers for Nutrient-Starvation Antibacteria. <i>ACS Nano</i> , 2015 , 9, 9292-302	16.7	123

40	High-Adhesion Stretchable Electrodes Based on Nanopile Interlocking. <i>Advanced Materials</i> , 2017 , 29, 1603382	24	122
39	Highly stretchable gold nanobelts with sinusoidal structures for recording electrocorticograms. <i>Advanced Materials</i> , 2015 , 27, 3145-51	24	114
38	Highly Stretchable, Compliant, Polymeric Microelectrode Arrays for In Vivo Electrophysiological Interfacing. <i>Advanced Materials</i> , 2017 , 29, 1702800	24	110
37	3D Macroporous Nitrogen-Enriched Graphitic Carbon Scaffold for Efficient Bioelectricity Generation in Microbial Fuel Cells. <i>Advanced Energy Materials</i> , 2017 , 7, 1601364	21.8	102
36	Stretchable Electronics Based on PDMS Substrates. <i>Advanced Materials</i> , 2021 , 33, e2003155	24	98
35	Bioinspired Nanosucker Array for Enhancing Bioelectricity Generation in Microbial Fuel Cells. <i>Advanced Materials</i> , 2016 , 28, 270-5	24	81
34	Three-Dimensional Graphene Composite Macroscopic Structures for Capture of Cancer Cells. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1300043	4.6	77
33	Biomass-Derived Porous FeC/Tungsten Carbide/Graphitic Carbon Nanocomposite for Efficient Electrocatalysis of Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 32307-32316	9.5	73
32	Self-Protection of Electrochemical Storage Devices via a Thermal Reversible Sol-Gel Transition. <i>Advanced Materials</i> , 2015 , 27, 5593-8	24	73
31	Mediating Short-Term Plasticity in an Artificial Memristive Synapse by the Orientation of Silica Mesopores. <i>Advanced Materials</i> , 2018 , 30, e1706395	24	69
30	Stretchable Conductive Fibers Based on a Cracking Control Strategy for Wearable Electronics. <i>Advanced Functional Materials</i> , 2018 , 28, 1801683	15.6	67
29	Mechano-Based Transductive Sensing for Wearable Healthcare. <i>Small</i> , 2018 , 14, e1702933	11	66
28	An Artificial Somatic Reflex Arc. <i>Advanced Materials</i> , 2020 , 32, e1905399	24	64
27	3D-Structured Stretchable Strain Sensors for Out-of-Plane Force Detection. <i>Advanced Materials</i> , 2018 , 30, e1707285	24	62
26	Bio-Inspired Mechanotactic Hybrids for Orchestrating Traction-Mediated Epithelial Migration. <i>Advanced Materials</i> , 2016 , 28, 3102-10	24	56
25	Highly Stable and Stretchable Conductive Films through Thermal-Radiation-Assisted Metal Encapsulation. <i>Advanced Materials</i> , 2019 , 31, e1901360	24	56
24	Adhesive Biocomposite Electrodes on Sweaty Skin for Long-Term Continuous Electrophysiological Monitoring 2020 , 2, 478-484		55
23	Stretchable Motion Memory Devices Based on Mechanical Hybrid Materials. <i>Advanced Materials</i> , 2017 , 29, 1701780	24	55

22	Polymeric Membranes with Selective Solution-Diffusion for Intercepting Volatile Organic Compounds during Solar-Driven Water Remediation. <i>Advanced Materials</i> , 2020 , 32, e2004401	24	54
21	Volatile-Organic-Compound-Intercepting Solar Distillation Enabled by a Photothermal/Photocatalytic Nanofibrous Membrane with Dual-Scale Pores. <i>Environmental Science & Technology</i> , 2020 , 54, 9025-9033	10.3	50
20	Mechanocombinatorially Screening Sensitivity of Stretchable Strain Sensors. <i>Advanced Materials</i> , 2019 , 31, e1903130	24	47
19	Prolonged Electron Lifetime in Ordered TiO ₂ Mesophyll Cell-Like Microspheres for Efficient Photocatalytic Water Reduction and Oxidation. <i>Small</i> , 2016 , 12, 2291-9	11	45
18	Bio-inspired antireflective hetero-nanojunctions with enhanced photoactivity. <i>Nanoscale</i> , 2013 , 5, 12383-7	7	39
17	Tactile Chemomechanical Transduction Based on an Elastic Microstructured Array to Enhance the Sensitivity of Portable Biosensors. <i>Advanced Materials</i> , 2019 , 31, e1803883	24	34
16	Elastic substrates for stretchable devices. <i>MRS Bulletin</i> , 2017 , 42, 103-107	3.2	30
15	Unravelling the Correlation between the Aspect Ratio of Nanotubular Structures and Their Electrochemical Performance To Achieve High-Rate and Long-Life Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2014 , 126, 13706-13710	3.6	28
14	Thin-film organic semiconductor devices: from flexibility to ultraflexibility. <i>Science China Materials</i> , 2016 , 59, 589-608	7.1	27
13	Hollow black TiAlO nanocomposites for solar thermal desalination. <i>Nanoscale</i> , 2019 , 11, 9958-9968	7.7	14
12	CoFe ₂ O ₄ Nanocrystals Mediated Crystallization Strategy for Magnetic Functioned ZSM-5 Catalysts. <i>Advanced Functional Materials</i> , 2018 , 28, 1802088	15.6	10
11	A solar-electro-thermal evaporation system with high water-production based on a facile integrated evaporator. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 21771-21779	13	10
10	Photothermal Janus Anode with Photosynthesis-Shielding Effect for Activating Low-Temperature Biological Wastewater Treatment. <i>Advanced Functional Materials</i> , 2020 , 30, 1909432	15.6	8
9	Nanostructures: Highly Stretchable Gold Nanobelts with Sinusoidal Structures for Recording Electrocardiograms (Adv. Mater. 20/2015). <i>Advanced Materials</i> , 2015 , 27, 3219-3219	24	4
8	Electrostatic Interaction-Based High Tissue Adhesive, Stretchable Microelectrode Arrays for the Electrophysiological Interface.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	4
7	Strategies for interface issues and challenges of neural electrodes.. <i>Nanoscale</i> , 2022 ,	7.7	4
6	Interface Chelation Induced by Pyridine-Based Polymer for Efficient and Durable Air-Processed Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2021 , 61, e202112673	16.4	3
5	Memory Arrays: Skin-Inspired Haptic Memory Arrays with an Electrically Reconfigurable Architecture (Adv. Mater. 8/2016). <i>Advanced Materials</i> , 2016 , 28, 1526-1526	24	3

4	Flexible Supercapacitors Based on Two-Dimensional Materials 2018 , 161-197		2
3	From liquid metal to stretchable electronics: Overcoming the surface tension. <i>Science China Materials</i> ,1	7.1	2
2	Photothermal Janus Anodes: Photothermal Janus Anode with Photosynthesis-Shielding Effect for Activating Low-Temperature Biological Wastewater Treatment (Adv. Funct. Mater. 7/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070045	15.6	1
1	Räktitelbild: Unravelling the Correlation between the Aspect Ratio of Nanotubular Structures and Their Electrochemical Performance To Achieve High-Rate and Long-Life Lithium-Ion Batteries (Angew. Chem. 49/2014). <i>Angewandte Chemie</i> , 2014 , 126, 13840-13840	3.6	