

Chao Yi Yan

List of Publications by Citations

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29
papers

3,109
citations

20
h-index

31
g-index

31
ext. papers

3,430
ext. citations

14.7
avg, IF

5.22
L-index

#	Paper	IF	Citations
29	Highly stretchable piezoresistive graphene-nanocellulose nanopaper for strain sensors. <i>Advanced Materials</i> , 2014 , 26, 2022-7	24	840
28	Stretchable and wearable electrochromic devices. <i>ACS Nano</i> , 2014 , 8, 316-22	16.7	326
27	High-rate electrochemical capacitors from highly graphitic carbon-coated manganese oxide/mesoporous carbon/manganese oxide hybrid nanowires. <i>Energy and Environmental Science</i> , 2011 , 4, 1813	35.4	283
26	Stretchable graphene thermistor with tunable thermal index. <i>ACS Nano</i> , 2015 , 9, 2130-7	16.7	223
25	Highly stretchable and self-deformable alternating current electroluminescent devices. <i>Advanced Materials</i> , 2015 , 27, 2876-82	24	186
24	Extremely Stretchable Electroluminescent Devices with Ionic Conductors. <i>Advanced Materials</i> , 2016 , 28, 4490-6	24	146
23	Achieving High Rate Performance in Layered Hydroxide Supercapacitor Electrodes. <i>Advanced Energy Materials</i> , 2014 , 4, 1301240	21.8	146
22	Wide-bandgap Zn ₂ GeO ₄ nanowire networks as efficient ultraviolet photodetectors with fast response and recovery time. <i>Applied Physics Letters</i> , 2010 , 96, 053108	3.4	144
21	New Strategy for Polysulfide Protection Based on Atomic Layer Deposition of TiO ₂ onto Ferroelectric-Encapsulated Cathode: Toward Ultrastable Free-Standing Room Temperature Sodium Sulfur Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1705537	15.6	134
20	An intrinsically stretchable nanowire photodetector with a fully embedded structure. <i>Advanced Materials</i> , 2014 , 26, 943-50	24	132
19	Stretchable Silver-Zinc Batteries Based on Embedded Nanowire Elastic Conductors. <i>Advanced Energy Materials</i> , 2014 , 4, 1301396	21.8	103
18	Cryogel Synthesis of Hierarchical Interconnected Macro-/Mesoporous Co ₃ O ₄ with Superb Electrochemical Energy Storage. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 4930-4935	3.8	79
17	Binder-free Co(OH) ₂ nanoflake/TiO ₂ nanowire heterostructured electrodes for electrochemical energy storage with improved high-rate capabilities. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10482		55
16	3D Printing of Free-Standing Stretchable Electrodes with Tunable Structure and Stretchability. <i>Advanced Engineering Materials</i> , 2017 , 19, 1700341	3.5	42
15	Rational design of a high performance all solid state flexible micro-supercapacitor on paper. <i>RSC Advances</i> , 2013 , 3, 15827	3.7	40
14	Solution-assembled nanowires for high performance flexible and transparent solar-blind photodetectors. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 596-600	7.1	37
13	Morphology Control of Indium Germanate Nanowires, Nanoribbons, and Hierarchical Nanostructures. <i>Crystal Growth and Design</i> , 2009 , 9, 3697-3701	3.5	28

12	Spontaneous growth and phase transformation of highly conductive nickel germanide nanowires. <i>ACS Nano</i> , 2011 , 5, 5006-14	16.7	27
11	Kinking-induced structural evolution of metal oxide nanowires into single-crystalline nanorings. <i>ACS Nano</i> , 2010 , 4, 5350-6	16.7	27
10	Crystallographic Alignment of ZnO Nanorod Arrays on Zn ₂ GeO ₄ Nanocrystals: Promising Lattice-Matched Substrates. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 265-268	3.8	23
9	Single Crystalline Semi-Nanotubes of Indium Germanate. <i>Crystal Growth and Design</i> , 2008 , 8, 3144-3147	3.5	19
8	Flow assisted synthesis of highly ordered silica nanowire arrays. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 94, 763-766	2.6	17
7	Self-Assembly-Assisted Facile Synthesis of MoS ₂ -Based Hybrid Tubular Nanostructures for Efficient Bifunctional Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23731-23739	9.5	17
6	Direct Printing of Stretchable Elastomers for Highly Sensitive Capillary Pressure Sensors. <i>Sensors</i> , 2018 , 18,	3.8	15
5	Graphene: Highly Stretchable Piezoresistive Graphene/Nanocellulose Nanopaper for Strain Sensors (Adv. Mater. 13/2014). <i>Advanced Materials</i> , 2014 , 26, 1950-1950	24	15
4	Electroluminescent Devices: Highly Stretchable and Self-Deformable Alternating Current Electroluminescent Devices (Adv. Mater. 18/2015). <i>Advanced Materials</i> , 2015 , 27, 2947-2947	24	2
3	Stretchable Electronics: Stretchable Energy Storage and Conversion Devices (Small 17/2014). <i>Small</i> , 2014 , 10, 3442-3442	11	1
2	Electroluminescent Devices: Extremely Stretchable Electroluminescent Devices with Ionic Conductors (Adv. Mater. 22/2016). <i>Advanced Materials</i> , 2016 , 28, 4489	24	1
1	Nanowire Photodetectors: An Intrinsically Stretchable Nanowire Photodetector with a Fully Embedded Structure (Adv. Mater. 6/2014). <i>Advanced Materials</i> , 2014 , 26, 979-979	24	