

Yang Yu

List of Publications by Year in descending order

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28
papers

1,222
citations

566801

15
h-index

525886

27
g-index

29
all docs

29
docs citations

29
times ranked

1644
citing authors

#	ARTICLE	IF	CITATIONS
1	Revealing electrolyte oxidation <i>via</i> carbonate dehydrogenation on Ni-based oxides in Li-ion batteries by <i>in situ</i> Fourier transform infrared spectroscopy. <i>Energy and Environmental Science</i> , 2020, 13, 183-199.	15.6	202
2	Comprehensive performance evaluation of LID practices for the sponge city construction: A case study in Guangxi, China. <i>Journal of Environmental Management</i> , 2019, 231, 10-20.	3.8	170
3	Giant Piezoelectric Coefficients in Relaxor Piezoelectric Ceramic PNN-PZT for Vibration Energy Harvesting. <i>Advanced Functional Materials</i> , 2018, 28, 1706895.	7.8	152
4	Mechanical and Superhydrophobic Stabilities of Two-Scale Surface Structure of Lotus Leaves. <i>Langmuir</i> , 2007, 23, 8212-8216.	1.6	119
5	High-Temperature BiScO ₃ -PbTiO ₃ Piezoelectric Vibration Energy Harvester. <i>Advanced Functional Materials</i> , 2016, 26, 7186-7194.	7.8	116
6	High-Performance [001]-Textured PNN-PZT Relaxor Ferroelectric Ceramics for Electromechanical Coupling Devices. <i>Advanced Functional Materials</i> , 2020, 30, 2001846.	7.8	66
7	Giant Piezoelectricity of Ternary Perovskite Ceramics at High Temperatures. <i>Advanced Functional Materials</i> , 2019, 29, 1807920.	7.8	50
8	A barbell-shaped high-temperature piezoelectric vibration energy harvester based on BiScO ₃ -PbTiO ₃ ceramic. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	47
9	The Role of Adaptive-Deformation of Water Strider Leg in Its Walking on Water. <i>Journal of Adhesion Science and Technology</i> , 2009, 23, 493-501.	1.4	40
10	The effect of matrix stiffness on biomechanical properties of chondrocytes. <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 958-965.	0.9	37
11	Piezo1 regulates migration and invasion of breast cancer cells via modulating cell mechanobiological properties. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 53, 10-18.	0.9	35
12	Effects of Hydrologic Conditions and Reservoir Operation on Transboundary Cooperation in the Lancang-Mekong River Basin. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019, 145, .	1.3	30
13	Multifactor-based environmental risk assessment for sustainable land-use planning in Shenzhen, China. <i>Science of the Total Environment</i> , 2019, 657, 1051-1063.	3.9	28
14	A modified barbell-shaped PNN-PZT-PIN piezoelectric ceramic energy harvester. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	25
15	Evolutionary Cooperation in Transboundary River Basins. <i>Water Resources Research</i> , 2019, 55, 9977-9994.	1.7	23
16	High-energy and high-power Zn-Ni flow batteries with semi-solid electrodes. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4076-4085.	2.5	14
17	A Role of BK Channel in Regulation of Ca ²⁺ Channel in Ventricular Myocytes by Substrate Stiffness. <i>Biophysical Journal</i> , 2017, 112, 1406-1416.	0.2	12
18	Effects of mechanical stretch on the functions of BK and L-type Ca ²⁺ channels in vascular smooth muscle cells. <i>Journal of Biomechanics</i> , 2018, 67, 18-23.	0.9	11

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19	Simple Method for Calculating Hydraulic Behavior of Combined Sewer Overflow from Rainfall Event Data. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018, 144, .	1.3	10
20	Quantitative studies of domain evolution in tetragonal BaTiO ₃ ceramics in electric poling and thermal depoling processes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4517-4526.	2.7	10
21	Mechanism of Stiff Substrates up-Regulate Cultured Neuronal Network Activity. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3475-3482.	2.6	8
22	A cooperative game model with bankruptcy theory for water allocation: a case study in China Tarim River Basin. <i>Environmental Science and Pollution Research</i> , 2022, 29, 2353-2364.	2.7	5
23	Real-Time, Inexpensive, and Portable Measurement of Water Surface Velocity through Smartphone. <i>Water (Switzerland)</i> , 2020, 12, 3358.	1.2	4
24	Orbital Maneuver for a Rotating Tethered System via Tidal Forces. <i>Journal of Spacecraft and Rockets</i> , 2013, 50, 1060-1068.	1.3	3
25	Geometric Confinement Guides the Expression of Cancer Stem Cell Molecular Markers CD44 via Cell Traction Forces. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 4623-4630.	2.6	3
26	Carbon monoxide augments electrical signaling in cultured neural networks of hippocampal neurons partly through activation of BKCa channels. <i>Acta Biochimica Et Biophysica Sinica</i> , 2015, 47, 383-389.	0.9	1
27	BK channels regulate calcium oscillations in ventricular myocytes on different substrate stiffness. <i>Life Sciences</i> , 2019, 235, 116802.	2.0	1
28	A Non-Cooperative Fast Millimeter-Wave Imaging Method by Using MIMO Linear Array. , 2018, , .		0