

Shuhai Liu

List of Publications by Year in descending order

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18
papers

1,245
citations

567144
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docs citations

18
times ranked

1951
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly sensitive strain sensors based on piezotronic tunneling junction. Nature Communications, 2022, 13, 778.	5.8	58
2	Statistical Piezotronic Effect in Nanocrystal Bulk by Anisotropic Geometry Control. Advanced Functional Materials, 2021, 31, 2010339.	7.8	4
3	A Fully Self-Healing Piezoelectric Nanogenerator for Self-Powered Pressure Sensing Electronic Skin. Research, 2021, 2021, 9793458.	2.8	19
4	Coaxial double helix structured fiber-based triboelectric nanogenerator for effectively harvesting mechanical energy. Nanoscale Advances, 2020, 2, 4482-4490.	2.2	21
5	Flexoelectronics of centrosymmetric semiconductors. Nature Nanotechnology, 2020, 15, 661-667.	15.6	175
6	Piezotronic Tunneling Junction Gated by Mechanical Stimuli. Advanced Materials, 2019, 31, e1905436.	11.1	14
7	Core-Shell Fiber-Based 2D Woven Triboelectric Nanogenerator for Effective Motion Energy Harvesting. Nanoscale Research Letters, 2019, 14, 311.	3.1	19
8	2D piezotronics in atomically thin zinc oxide sheets: Interfacing gating and channel width gating. Nano Energy, 2019, 60, 724-733.	8.2	60
9	Piezoelectric Peptide and Metabolite Materials. Research, 2019, 2019, 9025939.	2.8	44
10	Multidirection Piezoelectricity in Mono- and Multilayered Hexagonal In_2Se_3 . ACS Nano, 2018, 12, 4976-4983.	7.3	215
11	Double-Channel Piezotronic Transistors for Highly Sensitive Pressure Sensing. ACS Nano, 2018, 12, 1732-1738.	7.3	33
12	Ultrathin Piezotronic Transistors with 2 nm Channel Lengths. ACS Nano, 2018, 12, 4903-4908.	7.3	63
13	High-Performance Triboelectric Nanogenerator with a Rationally Designed Friction Layer Structure. ACS Applied Energy Materials, 2018, 1, 2891-2897.	2.5	51
14	Ultrasensitive 2D ZnO Piezotronic Transistor Array for High Resolution Tactile Imaging. Advanced Materials, 2017, 29, 1606346.	11.1	79
15	Ultrasensitive Vertical Piezotronic Transistor Based on ZnO Twin Nanoplatelet. ACS Nano, 2017, 11, 4859-4865.	7.3	45
16	Type-II hetero-junction dual shell hollow spheres loaded with spatially separated cocatalyst for enhancing visible light hydrogen evolution. Nano Energy, 2017, 38, 518-525.	8.2	78
17	Piezotronic Effect Enhanced Photocatalysis in Strained Anisotropic ZnO/TiO_2 Nanoplatelets via Thermal Stress. ACS Nano, 2016, 10, 2636-2643.	7.3	258
18	Fabrication of Freestanding Nanoparticle Membranes over Wells. Langmuir, 2015, 31, 3738-3744.	1.6	9