Shuhai Liu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8358502/publications.pdf

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18	1,245	567144 15	839398 18
papers	citations	h-index	g-index

18	18	18	1951
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Piezotronic Effect Enhanced Photocatalysis in Strained Anisotropic ZnO/TiO₂ Nanoplatelets via Thermal Stress. ACS Nano, 2016, 10, 2636-2643.	7.3	258
2	Multidirection Piezoelectricity in Mono- and Multilayered Hexagonal Î±-In₂Se₃. ACS Nano, 2018, 12, 4976-4983.	7.3	215
3	Flexoelectronics of centrosymmetric semiconductors. Nature Nanotechnology, 2020, 15, 661-667.	15.6	175
4	Ultrasensitive 2D ZnO Piezotronic Transistor Array for High Resolution Tactile Imaging. Advanced Materials, 2017, 29, 1606346.	11.1	79
5	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
6	Ultrathin Piezotronic Transistors with 2 nm Channel Lengths. ACS Nano, 2018, 12, 4903-4908.	7.3	63
7	2D piezotronics in atomically thin zinc oxide sheets: Interfacing gating and channel width gating. Nano Energy, 2019, 60, 724-733.	8.2	60
8	Highly sensitive strain sensors based on piezotronic tunneling junction. Nature Communications, 2022, 13, 778.	5.8	58
9	High-Performance Triboelectric Nanogenerator with a Rationally Designed Friction Layer Structure. ACS Applied Energy Materials, 2018, 1, 2891-2897.	2.5	51
10	Ultrasensitive Vertical Piezotronic Transistor Based on ZnO Twin Nanoplatelet. ACS Nano, 2017, 11, 4859-4865.	7.3	45
11	Piezoelectric Peptide and Metabolite Materials. Research, 2019, 2019, 9025939.	2.8	44
12	Double-Channel Piezotronic Transistors for Highly Sensitive Pressure Sensing. ACS Nano, 2018, 12, 1732-1738.	7.3	33
13	Coaxial double helix structured fiber-based triboelectric nanogenerator for effectively harvesting mechanical energy. Nanoscale Advances, 2020, 2, 4482-4490.	2.2	21
14	Core-Shell Fiber-Based 2D Woven Triboelectric Nanogenerator for Effective Motion Energy Harvesting. Nanoscale Research Letters, 2019, 14, 311.	3.1	19
15	A Fully Self-Healing Piezoelectric Nanogenerator for Self-Powered Pressure Sensing Electronic Skin. Research, 2021, 2021, 9793458.	2.8	19
16	Piezotronic Tunneling Junction Gated by Mechanical Stimuli. Advanced Materials, 2019, 31, e1905436.	11.1	14
17	Fabrication of Freestanding Nanoparticle Membranes over Wells. Langmuir, 2015, 31, 3738-3744.	1.6	9
18	Statistical Piezotronic Effect in Nanocrystal Bulk by Anisotropic Geometry Control. Advanced Functional Materials, 2021, 31, 2010339.	7.8	4