Huajun liu

List of Publications by Year
in descending order

31	1,703	361413	454955
papers	citations	20 h-index	30 g-index

31	31	31	2773
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Strongly correlated perovskite fuel cells. Nature, 2016, 534, 231-234.	27.8	387
2	Phase coexistence and electric-field control of toroidal order in oxide superlattices. Nature Materials, 2017, 16, 1003-1009.	27.5	159
3	Effects of nitrogen doping on supercapacitor performance of a mesoporous carbon electrode produced by a hydrothermal soft-templating process. Journal of Materials Chemistry A, 2014, 2, 11753.	10.3	127
4	Ferromagnetic, ferroelectric, and fatigue behavior of (111)-oriented BiFeO3/(Bi1/2Na1/2)TiO3 lead-free bilayered thin films. Applied Physics Letters, 2009, 94, .	3.3	106
5	Giant piezoelectricity in oxide thin films with nanopillar structure. Science, 2020, 369, 292-297.	12.6	86
6	3D Nanostructure of Carbon Nanotubes Decorated Co 3 O 4 Nanowire Arrays for High Performance Supercapacitor Electrode. Electrochimica Acta, 2015, 163, 9-15.	5.2	77
7	Activation of sucrose-derived carbon spheres for high-performance supercapacitor electrodes. RSC Advances, 2015, 5, 9307-9313.	3.6	73
8	Surfactant-modified chemically reduced graphene oxide for electrochemical supercapacitors. RSC Advances, 2014, 4, 26398-26406.	3.6	69
9	3D TiO2@Ni(OH)2 Core-shell Arrays with Tunable Nanostructure for Hybrid Supercapacitor Application. Scientific Reports, 2015, 5, 13940.	3.3	68
10	Origin of a Tetragonal BiFeO₃ Phase with a Giant c/a Ratio on SrTiO₃ Substrates. Advanced Functional Materials, 2012, 22, 937-942.	14.9	61
11	Intercalating graphene with clusters of Fe₃O₄ nanocrystals for electrochemical supercapacitors. Materials Research Express, 2014, 1, 025015.	1.6	59
12	Improving carrier mobility in two-dimensional semiconductors with rippled materials. Nature Electronics, 2022, 5, 489-496.	26.0	52
13	Tuning the porous texture and specific surface area of nanoporous carbons for supercapacitor electrodes by adjusting the hydrothermal synthesis temperature. Journal of Materials Chemistry A, 2013, 1, 12962.	10.3	42
14	Growth rate induced monoclinic to tetragonal phase transition in epitaxial BiFeO3 (001) thin films. Applied Physics Letters, 2011, 98, 102902.	3.3	40
15	Stable Ferroelectric Perovskite Structure with Giant Axial Ratio and Polarization in Epitaxial BiFe_{0.6}Ga_{0.4}O₃ Thin Films. ACS Applied Materials & Interfaces, 2015, 7, 2648-2653.	8.0	38
16	Twinning rotation and ferroelectric behavior of epitaxial BiFeO3 (001) thin film. Applied Physics Letters, 2010, 96, .	3.3	37
17	Thickness-dependent twinning evolution and ferroelectric behavior of epitaxial<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>BiFeO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> thin films. Physical Review B, 2010, 82, .	3.2	32
18	Doping cobalt hydroxide nanowires for better supercapacitor performance. Acta Materialia, 2015, 84, 20-28.	7.9	30

#	Article	IF	Citations
19	Uniaxial strain-induced ferroelectric phase with a giant axial ratio in a (110) BiFeO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>thin film. Physical Review B, 2013, 87, .	3.2	27
20	Method and analysis for determining yielding of titanium alloy with nonlinear Rayleigh surface waves. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 669, 41-47.	5.6	20
21	Alkali-deficiency driven charged out-of-phase boundaries for giant electromechanical response. Nature Communications, 2021, 12, 2841.	12.8	19
22	Acoustic shearography for crack detection in metallic plates. Smart Materials and Structures, 2018, 27, 085018.	3.5	18
23	Dynamic Field Modulation of the Octahedral Framework in Metal Oxide Heterostructures. Advanced Materials, 2018, 30, e1804775.	21.0	13
24	Quantitative Observation of Threshold Defect Behavior in Memristive Devices with Operando X-ray Microscopy. ACS Nano, 2018, 12, 4938-4945.	14.6	12
25	Directed acoustic shearography for crack detection around fastener holes in aluminum plates. NDT and E International, 2018, 100, 124-131.	3.7	12
26	Nickel and Lanthanum Hydroxide Nanocomposites with Much Improved Electrochemical Performance for Supercapacitors. Journal of the American Ceramic Society, 2017, 100, 247-256.	3.8	11
27	Origin of giant electric-field-induced strain in faulted alkali niobate films. Nature Communications, 2022, 13, .	12.8	11
28	Unit-cell determination of epitaxial thin films based on reciprocal-space vectors by high-resolution X-ray diffractometry. Journal of Applied Crystallography, 2014, 47, 402-413.	4.5	8
29	Nanoscale phase mixture in uniaxial strained BiFeO3 (110) thin films. Journal of Applied Physics, 2015, 118, .	2.5	6
30	In-situ real-time imaging of subsurface damage evolution in carbon fiber composites with shearography. Composites Communications, 2022, 32, 101170.	6.3	3
31	Notice of Removal: Shearography using wave-defect interactions for crack detection in metallic structures. , 2017, , .		0