

Sisi Liu

List of Publications by Year in descending order

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26
papers

665
citations

567281

15
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580821

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26
times ranked

847
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Zr:Sn ratio in the lead lanthanum zirconate stannate titanate anti-ferroelectric ceramics on energy storage properties. <i>Ceramics International</i> , 2013, 39, 5571-5575.	4.8	119
2	Cation-Exchange Synthesis of Highly Monodisperse PbS Quantum Dots from ZnS Nanorods for Efficient Infrared Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 1907379.	14.9	80
3	Microstructure and electrical properties of (Pb _{0.87} Ba _{0.1} La _{0.02})(Zr _{0.68} Sn _{0.24} Ti _{0.08})O ₃ anti-ferroelectric ceramics fabricated by the hot-press sintering method. <i>Journal of the European Ceramic Society</i> , 2013, 33, 113-121.	5.7	48
4	Broad-Band High-Sensitivity ZnO Colloidal Quantum Dots/Self-Assembled Au Nanoantennas Heterostructures Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32516-32525.	8.0	45
5	Self-Assembled Al Nanostructure/ZnO Quantum Dot Heterostructures for High Responsivity and Fast UV Photodetector. <i>Nano-Micro Letters</i> , 2020, 12, 114.	27.0	43
6	Ultrahigh Responsivity UV Photodetector Based on Cu Nanostructure/ZnO QD Hybrid Architectures. <i>Small</i> , 2019, 15, e1901606.	10.0	42
7	Controllable MXene nano-sheet/Au nanostructure architectures for the ultra-sensitive molecule Raman detection. <i>Nanoscale</i> , 2019, 11, 22230-22236.	5.6	32
8	Effects of Bi ₂ O ₃ -Li ₂ CO ₃ additions on dielectric and pyroelectric properties of Mn doped Pb(Zr _{0.9} Ti _{0.1})O ₃ thick films. <i>Ceramics International</i> , 2013, 39, 3709-3714.	4.8	31
9	Room temperature rubbing for few-layer two-dimensional thin flakes directly on flexible polymer substrates. <i>Scientific Reports</i> , 2013, 3, 2697.	3.3	26
10	Highly sensitive response of solution-processed bismuth sulfide nanobelts for room-temperature nitrogen dioxide detection. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 102-110.	9.4	24
11	Efficient PbSe Colloidal Quantum Dot Solar Cells Using SnO ₂ as a Buffer Layer. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2566-2571.	8.0	21
12	High performance hybrid MXene nanosheet/CsPbBr ₃ quantum dot photodetectors with an excellent stability. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162570.	5.5	21
13	ZnO Quantum Dot/MXene Nanoflake Hybrids for Ultraviolet Photodetectors. <i>ACS Applied Nano Materials</i> , 2021, 4, 13674-13682.	5.0	21
14	Enhanced Spatial Light Confinement of All Inorganic Perovskite Photodetectors Based on Hybrid Plasmonic Nanostructures. <i>Small</i> , 2020, 16, e2004234.	10.0	17
15	Controllable 3D plasmonic nanostructures for high-quantum-efficiency UV photodetectors based on 2D and 0D materials. <i>Materials Horizons</i> , 2020, 7, 905-911.	12.2	16
16	Mechanical force-driven growth of elongated BaTiO ₃ lead-free ferroelectric nanowires. <i>Ceramics International</i> , 2017, 43, 2969-2973.	4.8	15
17	Effects of PbO-B ₂ O ₃ Glass Doping on the Sintering Temperature and Piezoelectric Properties of 0.35Pb(Ni _{1/3} Nb _{2/3})O ₃ -0.65Pb(Zr _{0.41} Ti _{0.59})O ₃ Ceramics. <i>Journal of Electronic Materials</i> , 2015, 44, 4846-4851.	2.2	10
18	Enhanced sensitivity and response speed of graphene oxide/ZnO nanorods photodetector fabricated by introducing graphene oxide in seed layer. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 15891-15898.	2.2	10

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19	Low temperature in-situ preparation of reduced graphene oxide/ZnO nanocomposites for highly sensitive photodetectors. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 9403-9409.	2.2	9
20	Facile Fabrication of Ultrasensitive Honeycomb Nano-Mesh Ultraviolet Photodetectors Based on Self-Assembled Plasmonic Architectures. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 35972-35980.	8.0	9
21	Effects of LiBiO_2 addition on the microstructure and piezoelectric properties of CuO-doped PNN-PZT ceramics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 2552-2557.	1.8	7
22	Effect of electric field on dielectric properties of antiferroelectric ceramic/polymer composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 3236-3242.	2.2	7
23	The effect of Au nanocrystals applied in CdS colloidal quantum dots ultraviolet photodetectors. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 9782-9787.	2.2	7
24	Investigations on the morphology, optical and photoresponse properties of PbS/CdS binary colloidal quantum dot thin film. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 2516-2521.	2.2	4
25	Geometrical influence of conducting fillers on the dielectric tunable properties of antiferroelectric ceramic/conducting filler/polystyrene composites under low electric field. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10184-10190.	2.2	1
26	Effect of Oxygen Annealing on the Electrical Properties of PBLZST Anti-ferroelectric Ceramics. <i>Journal of Electronic Materials</i> , 2015, 44, 4343-4348.	2.2	0