

Sijun Luo

List of Publications by Year in descending order

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25
papers

292
citations

933447

10
h-index

888059

17
g-index

25
all docs

25
docs citations

25
times ranked

506
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-crystalline metal germanate nanowire-carbon textiles as binder-free, self-supported anodes for high-performance lithium storage. <i>Nanoscale</i> , 2013, 5, 10291.	5.6	53
2	Highly Reversible Lithium Storage in Hierarchical $\text{Ca}_2\text{Ge}_7\text{O}_{16}$ Nanowire Arrays/Carbon Textile Anodes. <i>Chemistry - A European Journal</i> , 2013, 19, 8650-8656.	3.3	50
3	Observation of large enhancement in energy-storage properties of lead-free polycrystalline $0.5\text{BaZr}_{0.2}\text{Ti}_{0.8}\text{O}_3$ - $0.5\text{Ba}_{0.7}\text{Ca}_{0.3}\text{Ti}_3\text{O}_{12}$ ferroelectric thin films. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 255304.	2.5	27
4	Improved thermoelectric efficiency in p-type ZnSb through Zn deficiency. <i>Functional Materials Letters</i> , 2015, 08, 1550028.	1.2	23
5	Instantaneous photoinitiated synthesis and rapid pulsed photothermal treatment of three-dimensional nanostructured TiO_2 thin films through pulsed light irradiation. <i>Journal of Materials Research</i> , 2017, 32, 1701-1709.	2.6	18
6	Nanostructured manganese oxides electrode with ultra-long lifetime for electrochemical capacitors. <i>RSC Advances</i> , 2020, 10, 16817-16825.	3.6	13
7	Thickness-dependent microstructural properties of heteroepitaxial (00.1) CuFeO_2 thin films on (00.1) sapphire by pulsed laser deposition. <i>Journal of Applied Physics</i> , 2020, 127, 065301.	2.5	13
8	Effect of ball milled Zr/Al/ZrB_2 composite powders on microstructure and toughening of $\text{ZrB}_2\text{-SiC/Zr-Al-C}$ composite ceramics sintered by spark plasma sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 644, 96-104.	5.6	12
9	Influence of in-situ synthesized Zr-Al-C on microstructure and toughening of $\text{ZrB}_2\text{-SiC}$ composite ceramics fabricated by spark plasma sintering. <i>Ceramics International</i> , 2017, 43, 13047-13054.	4.8	12
10	Heteroepitaxial (111) ZnGa_2O_4 Thin Films Grown on (00.1) Sapphire by Pulsed Laser Deposition. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000270.	2.4	10
11	Fabrication and characterizations of $\text{Zn}_{1-x}\text{Co}_x\text{O}$ bulk ceramics prepared by solid state reaction combined with spark plasma sintering. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 1477-1484.	2.2	9
12	Enhanced dielectric properties of Ti-doped Ta_2O_5 single crystal grown by floating zone technique. <i>Journal of Alloys and Compounds</i> , 2014, 588, 42-45.	5.5	9
13	Pulsed photoinitiated fabrication of inkjet printed titanium dioxide/reduced graphene oxide nanocomposite thin films. <i>Nanotechnology</i> , 2018, 29, 315401.	2.6	8
14	Ultra-fast epitaxial growth of $\hat{\Gamma}^2\text{-SiC}$ films on $\hat{\Gamma}^{\pm}(4\text{H})\text{-SiC}$ using hexamethyldisilane (HMDS) at low temperature. <i>Ceramics International</i> , 2016, 42, 4632-4635.	4.8	7
15	Preparation and characterization of transparent $\text{Bi}_{3.6}\text{Ho}_{0.4}\text{Ti}_3\text{O}_{12}/\text{ZnO:Al}$ ferroelectric-semiconductor heterostructure by pulsed laser deposition. <i>Materials Letters</i> , 2012, 79, 173-176.	2.6	6
16	Surface Analysis of Perovskite Oxynitride Thin Films as Photoelectrodes for Solar Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 37785-37796.	8.0	4
17	Epitaxial Integration of (100) $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ with (0001) ZnO through Long-Range Lattice Matching. <i>Applied Physics Express</i> , 2012, 5, 085801.	2.4	3
18	Effect of oxygen partial pressure on epitaxial growth and properties of laser-ablated AZO thin films. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016, 31, 27-30.	1.0	3

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19	Growth and microstructure of columnar Y-doped SrZrO ₃ films deposited on Pt-coated MgO by pulsed laser deposition. Journal of Applied Physics, 2015, 118, .	2.5	2
20	Pulsed photonic fabrication of nanostructured metal oxide thin films. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	2
21	Microstructure control and toughening of ZrB ₂ -SiC/Zr-Al-C composite ceramics by selecting additional powders mixed with ZrB ₂ in ball milling for spark plasma sintering. Journal of the Ceramic Society of Japan, 2018, 126, 16-20.	1.1	2
22	Enhanced Ferroelectric Polarization in Laser-ablated Bi ₄ Ti ₃ O ₁₂ Thin Films by Controlling Preferred Orientation. Journal Wuhan University of Technology, Materials Science Edition, 2018, 33, 268-272.	1.0	2
23	Influence of composition on microstructure, mechanical properties and oxidation behavior of ZrB ₂ /ZrAlC composite ceramics. Journal of the Ceramic Society of Japan, 2019, 127, 878-886.	1.1	2
24	Preparation and effect of oxygen annealing on the electrical and magnetic properties of epitaxial (0001) Zn _{1-x} Co _x O thin films. Journal Wuhan University of Technology, Materials Science Edition, 2013, 28, 893-897.	1.0	1
25	Heteroepitaxial Hexagonal (00.1) CuFeO ₂ Thin Film Grown on Cubic (001) SrTiO ₃ Substrate Through Translational and Rotational Domain Matching. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100002.	2.4	1