Shao-Dong Cheng

List of Publications by Year
in descending order

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31 papers	1,437 citations	623734 14 h-index	501196 28 g-index
31 all docs	31 docs citations	31 times ranked	2139 citing authors

#	Article	IF	Citations
1	Simultaneously achieved temperature-insensitive high energy density and efficiency in domain engineered BaTiO3-Bi(Mg0.5Zr0.5)O3 lead-free relaxor ferroelectrics. Nano Energy, 2018, 52, 203-210.	16.0	410
2	Giant strain with low hysteresis in A-site-deficient (Bi0.5Na0.5)TiO3-based lead-free piezoceramics. Acta Materialia, 2017, 128, 337-344.	7.9	222
3	Ultrathin NiO nanosheets anchored on a highly ordered nanostructured carbon as an enhanced anode material for lithium ion batteries. Nano Energy, 2015, 16, 152-162.	16.0	152
4	Bamboo-like amorphous carbon nanotubes clad in ultrathin nickel oxide nanosheets for lithium-ion battery electrodes with long cycle life. Carbon, 2015, 84, 491-499.	10.3	145
5	Porosity-Induced High Selectivity for CO₂ Electroreduction to CO on Fe-Doped ZIF-Derived Carbon Catalysts. ACS Catalysis, 2019, 9, 11579-11588.	11.2	99
6	Bioinspired Hierarchically Structured Allâ€Inorganic Nanocomposites with Significantly Improved Capacitive Performance. Advanced Functional Materials, 2020, 30, 2000191.	14.9	88
7	Ultrafast spin current generated from an antiferromagnet. Nature Physics, 2021, 17, 388-394.	16.7	81
8	A NiCo2O4 nanosheet-mesoporous carbon composite electrode for enhanced reversible lithium storage. Carbon, 2016, 99, 633-641.	10.3	77
9	B-site ordering and strain-induced phase transition in double-perovskite La2NiMnO6 films. Scientific Reports, 2018, 8, 2516.	3.3	29
10	Investigation of the oxidation states of Cu additive in colored borosilicate glasses by electron energy loss spectroscopy. Journal of Applied Physics, 2014, 116, .	2.5	25
11	Quantification of the boron speciation in alkali borosilicate glasses by electron energy loss spectroscopy. Scientific Reports, 2015, 5, 17526.	3.3	17
12	Atomistic understanding of the origin of high oxygen reduction electrocatalytic activity of cuboctahedral Pt₃Coâ€“Pt coreâ€“shell nanoparticles. Catalysis Science and Technology, 2016, 6, 1393-1401.	4.1	17
13	Highâ€Performance Strain of Leadâ€Free Relaxorâ€Ferroelectric Piezoceramics by the Morphotropic Phase Boundary Modification. Advanced Functional Materials, 2022, 32, .	14.9	16
14	Formation of Ruddlesdenâ€“Popper Faults and Their Effect on the Magnetic Properties in Pr_{0.5}Sr_{0.5}CoO₃ Thin Films. ACS Applied Materials & Interfaces, 2018, 10, 1428-1433.	8.0	14
15	Enhanced magnetic properties in epitaxial self-assembled vertically aligned nanocomposite (Pr_{0.5}Ba_{0.5}MnO₃)_{0.5}:(CeO₂)_{0.5} thin films. Journal of Materials Chemistry C, 2016, 4, 10955-10961.	5.5	8
16	Understanding Phonon Scattering by Nanoprecipitates in Potassium-Doped Lead Chalcogenides. ACS Applied Materials & Interfaces, 2017, 9, 3686-3693.	8.0	6
17	Self-assembled ZnO/Ag nanocomposite thin films with enhanced multiple-phonon resonant Raman scattering. Materials Letters, 2014, 115, 172-175.	2.6	4
18	Microstructure and electrical conductivity of (Y, Sr)CoO 3-Î´ thin films tuned by the film-growth temperature. Journal of Alloys and Compounds, 2017, 714, 181-185.	5.5	4

#	Article	IF	Citations
19	Structural transition induced enhancement of magnetization and magnetoresistance in epitaxial (Pr_{0.5}Ba_{0.5}MnO₃)_{1â"x}:(CeO₂)_x vertically aligned thin films. CrystEngComm, 2018, 20, 5017-5024.	2.6	4
20	Atomic-scale imaging of heterointerface and planar faults in epitaxial (Pr, Sr)2CoO4 films on SrTiO3 (0â€¯0â€¯1) substrates. Journal of Crystal Growth, 2019, 511, 93-98.	1.5	4
21	Self-assembling behavior and interface structure in vertically aligned nanocomposite (Pr0.5Ba0.5MnO3)1-x:(CeO2)x films on (001) (La,Sr)(Al,Ta)O3 substrates. Scientific Reports, 2020, 10, 2348.	3.3	4
22	Revealing self-aligned Î³-SnTe ultrathin nanosheets in thermoelectric Î²-SnTe. Nanoscale, 2021, 13, 15205-15209.	5.6	3
23	Quantification of the Boron Speciation and Cu Oxidation States in Alkali Borosilicate Glasses by Electron Energy Loss Spectroscopy. Microscopy and Microanalysis, 2015, 21, 791-792.	0.4	2
24	Effect of deformation and post-annealing on microstructure and mechanical properties of long-period stacking ordered phase in Mg88Ni5Y7 alloy. Materialia, 2020, 9, 100551.	2.7	2
25	Microstructure and Electrical Conductivity of (Y, Sr)CoO3-Î´ Thin Films Tuned by the Film-Growth Temperature. Microscopy and Microanalysis, 2017, 23, 1656-1657.	0.4	1
26	Allâ€Inorganic Nanocomposites: Bioinspired Hierarchically Structured Allâ€Inorganic Nanocomposites with Significantly Improved Capacitive Performance (Adv. Funct. Mater. 23/2020). Advanced Functional Materials, 2020, 30, 2070149.	14.9	1
27	Growth behavior and interface of (InÂ+ÂNb) co-doped rutile TiO2 films prepared on m-plane sapphire substrates. Thin Solid Films, 2021, 732, 138762.	1.8	1
28	Effect of post-annealing on microstructural and magnetic properties of CoFe2O4:MgO nanocomposite films on MgAl2O4(0 0 1) substrates. Materials Letters, 2022, 308, 131255.	2.6	1
29	Effect of growth temperature on the microstructural properties of 0.95Na0.5Bi0.5TiO3â€“0.05BaTiO3 films prepared on MgO (0â€¯0â€¯1) substrates. Materials Letters, 2020, 259, 126847.	2.6	0
30	Twins and polytypic stacking faults in the Î½ phase formed in rapidly quenched Mn-Si alloys. Materials Letters, 2020, 271, 127746.	2.6	0
31	Growth and characterization of pyrochlore-type (Ca,Ti)2(Nb,Ti)2O7 thin films. Thin Solid Films, 2021, 721, 138546.	1.8	0