Chao Cai

List of Publications by Year
in descending order

19 papers	300 citations	1039406 9 h-index	839053 18 g-index
20 all docs	20 docs citations	20 times ranked	496 citing authors

#	Article	IF	Citations
1	Effect of ion beam etching on surface/subsurface structural defect evolution in fused silica optics. Optical Materials, 2021, 116, 111096.	1.7	8
2	Correlation Among Particle Size Distribution, Subsurface Damages Distribution and Surface Roughness in Optical Polishing Process. ECS Journal of Solid State Science and Technology, 2021, 10, 083011.	0.9	2
3	Effect of chemical activity of bulk and pad materials on the redeposition layer during polishing of glass. Thin Solid Films, 2021, 735, 138876.	0.8	1
4	Interrogation of the Reaction Mechanism in a Naâ€“O₂ Battery Using In Situ Transmission Electron Microscopy. ACS Nano, 2020, 14, 3669-3677.	7.3	39
5	Gas-assisted transformation of gold from fcc to the metastable 4H phase. Nature Communications, 2020, 11, 552.	5.8	17
6	Direct Observation of Yolkâ€“Shell Transforming to Gold Single Atoms and Clusters with Superior Oxygen Evolution Reaction Efficiency. ACS Nano, 2019, 13, 8865-8871.	7.3	73
7	Ultra-stable 4H-gold nanowires up to 800 Â°C in a vacuum. Journal of Materials Chemistry A, 2019, 7, 23812-23817.	5.2	14
8	Dumbbell to Coreâ€“Shell Structure Transformation of Niâ€“Au Nanoparticle Driven by External Stimuli. Particle and Particle Systems Characterization, 2019, 36, 1800426.	1.2	2
9	Effect of pad elastic modulus on polishing-induced subsurface damages distribution and laser-induced damage performance of fused silica optics. Optics Express, 2019, 27, 265.	1.7	6
10	Research on laser-induced damage resistance of fused silica optics by the fluid jet polishing method. Applied Optics, 2016, 55, 2252.	2.1	9
11	Synthesis of mono-phase La 2 Si 6 O 3 N 8 :Ce 3+ ,Tb 3+ blue-green phosphors with direct silicon nitridation and their photoluminescence properties. Materials Research Bulletin, 2015, 72, 83-89.	2.7	12
12	A simple way to synthesize anatase with high thermal stability. Journal of Materials Science, 2015, 50, 5944-5951.	1.7	12
13	Synthesis of Red-Emitting CaAlSiN3:Eu2+Phosphors through a Cost-Effective Synthetic Route. ECS Journal of Solid State Science and Technology, 2014, 3, R169-R172.	0.9	6
14	Synthesis of nanosized AlN:Eu2+ phosphors using a metal-organic precursor method. Journal of Materials Research, 2014, 29, 2466-2472.	1.2	2
15	Preparation of high performance CaAlSiN3:Eu2+ phosphors with the aid of BaF2 flux. Journal of Alloys and Compounds, 2014, 613, 226-231.	2.8	24
16	Enhanced luminescence and energy transfer in Ca2AlSi3O2N5:Eu2+ phosphors by co-doping with Ce3+. Materials Research Bulletin, 2014, 55, 156-160.	2.7	6
17	Color tunable Sr2SiO4:Eu2+ phosphors through the modification of crystal structure. Journal of Materials Science: Materials in Electronics, 2013, 24, 4516-4521.	1.1	36
18	Synthesis and photoluminescence properties of Eu2+-doped Ca2AlSi3O2N5 green phosphors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 635-638.	1.7	9

#	Article	IF	Citations
19	The photoluminescence of Ce-doped Lu4Si2O7N2 green phosphors. Materials Chemistry and Physics, 2009, 118, 270-272.	2.0	22