

Chao Cai

List of Publications by Year in descending order

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Version: 2024-02-01

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	Direct Observation of Yolk-Shell Transforming to Gold Single Atoms and Clusters with Superior Oxygen Evolution Reaction Efficiency. ACS Nano, 2019, 13, 8865-8871.	7.3	73
2	Interrogation of the Reaction Mechanism in a Na ₂ O Battery Using <i>In Situ</i> Transmission Electron Microscopy. ACS Nano, 2020, 14, 3669-3677.	7.3	39
3	Color tunable Sr ₂ SiO ₄ :Eu ²⁺ phosphors through the modification of crystal structure. Journal of Materials Science: Materials in Electronics, 2013, 24, 4516-4521.	1.1	36
4	Preparation of high performance CaAlSiN ₃ :Eu ²⁺ phosphors with the aid of BaF ₂ flux. Journal of Alloys and Compounds, 2014, 613, 226-231.	2.8	24
5	The photoluminescence of Ce-doped Lu ₄ Si ₂ O ₇ N ₂ green phosphors. Materials Chemistry and Physics, 2009, 118, 270-272.	2.0	22
6	Gas-assisted transformation of gold from fcc to the metastable 4H phase. Nature Communications, 2020, 11, 552.	5.8	17
7	Ultra-stable 4H-gold nanowires up to 800 °C in a vacuum. Journal of Materials Chemistry A, 2019, 7, 23812-23817.	5.2	14
8	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
9	A simple way to synthesize anatase with high thermal stability. Journal of Materials Science, 2015, 50, 5944-5951.	1.7	12
10	Synthesis and photoluminescence properties of Eu ²⁺ -doped Ca ₂ AlSi ₃ O ₂ N ₅ green phosphors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 635-638.	1.7	9
11	Research on laser-induced damage resistance of fused silica optics by the fluid jet polishing method. Applied Optics, 2016, 55, 2252.	2.1	9
12	Effect of ion beam etching on surface/subsurface structural defect evolution in fused silica optics. Optical Materials, 2021, 116, 111096.	1.7	8
13	Synthesis of Red-Emitting CaAlSiN ₃ :Eu ²⁺ Phosphors through a Cost-Effective Synthetic Route. ECS Journal of Solid State Science and Technology, 2014, 3, R169-R172.	0.9	6
14	Enhanced luminescence and energy transfer in Ca ₂ AlSi ₃ O ₂ N ₅ :Eu ²⁺ phosphors by co-doping with Ce ³⁺ . Materials Research Bulletin, 2014, 55, 156-160.	2.7	6
15	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
16	Synthesis of nanosized AlN:Eu ²⁺ phosphors using a metal-organic precursor method. Journal of Materials Research, 2014, 29, 2466-2472.	1.2	2
17	Dumbbell to Core-Shell Structure Transformation of Ni-Au Nanoparticle Driven by External Stimuli. Particle and Particle Systems Characterization, 2019, 36, 1800426.	1.2	2
18	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

#	ARTICLE	IF	CITATIONS
19	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