Saifang Huang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4461924/publications.pdf

Version: 2024-02-01

59	1,551	394421	315739
papers	citations	19	38
		h-index	g-index

60	60	60	1551
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultra-narrow-band blue-emitting K2SrBa(PO4)2:Eu2+ phosphor with superior efficiency and thermal stability. Journal of Alloys and Compounds, 2022, 892, 162066.	5.5	18
2	Effect of hBN addition on the fabrication, mechanical and tribological properties of Sialon materials. Ceramics International, 2022, 48, 7715-7722.	4.8	6
3	Structure tailoring and defect engineering of LED phosphors with enhanced thermal stability and superior quantum efficiency. Chemical Engineering Journal, 2022, 435, 133873.	12.7	15
4	Electrochemical incorporation of heteroatom into surface reconstruction induced Ni vacancy of NixO nanosheet for enhanced water oxidation. Journal of Colloid and Interface Science, 2022, 608, 3030-3039.	9.4	9
5	Phase control and stabilization of 1T-MoS2 via black TiO2â˜' nanotube arrays supporting for electrocatalytic hydrogen evolution. Journal of Energy Chemistry, 2022, 68, 71-77.	12.9	18
6	Co-deposition of Ag and Co3O4 on black TiO2-x nanotubes with enhanced photocatalytic activity under visible light irradiation. Journal of Materials Science, 2022, 57, 2455-2466.	3.7	6
7	Investigation of the Solid-Solution Limit, Crystal Structure, and Thermal Quenching Mitigation of Sr-Substituted Rb₂CaP₂O₇:Eu²⁺ Phosphors for White LED Applications. Inorganic Chemistry, 2022, 61, 1627-1635.	4.0	12
8	Achieving enhanced densification and superior ionic conductivity of garnet electrolytes via a co-doping strategy coupled with pressureless sintering. Journal of the European Ceramic Society, 2022, 42, 5023-5028.	5.7	14
9	Experimental and DFT studies of flower-like Ni-doped Mo2C on carbon fiber paper: A highly efficient and robust HER electrocatalyst modulated by Ni(NO3)2 concentration. Journal of Advanced Ceramics, 2022, 11, 1294-1306.	17.4	75
10	Greenish-yellow emitting Ca9MgLi(PO4)7:Dy3+ phosphors â€“ Photoluminescence and thermal stability. Journal of Luminescence, 2021, 229, 117675.	3.1	18
11	Electrochemical properties of Li6+yLa3â˜'yBayNbZrO12 lithium garnet oxide solid-state electrolytes with co-doping barium and zirconium. Journal of Alloys and Compounds, 2021, 862, 158600.	5.5	8
12	The effect of water vapor on structure and electrochemical performance of an aluminum-free niobium-doped garnet electrolyte. Ceramics International, 2020, 46, 3889-3895.	4.8	11
13	Phase assemblage and properties of a nonoxide composite fabricated by a two-step gas-pressure sintering. International Journal of Modern Physics B, 2020, 34, 2040046.	2.0	0
14	Synthesis, neutron diffraction and photoluminescence properties of a whitlockite structured Ca9MgLi(PO4)7:Pr3+ phosphor. Ceramics International, 2020, 46, 27476-27483.	4.8	20
15	Pressureless sintering of Al-free Ta-doped lithium garnets Li7-xLa3Zr2-xTaxO12 and the degradation mechanism in humid air. Ceramics International, 2019, 45, 20954-20960.	4.8	12
16	Wrinkled Ni-doped Mo2C coating on carbon fiber paper: An advanced electrocatalyst prepared by molten-salt method for hydrogen evolution reaction. Electrochimica Acta, 2019, 319, 293-301.	5.2	60
17	Î²-Si3N4 Microcrystals Prepared by Carbothermal Reduction-Nitridation of Quartz. Materials, 2019, 12, 3622.	2.9	10
18	Mechanical response of the Cr₃C₂â€“NiCr coating-substrate system during nanoindentation process. International Journal of Modern Physics B, 2019, 33, 1940026.	2.0	0

#	Article	IF	Citations
19	PbO2 electrodes prepared by pulse reverse electrodeposition and their application in benzoic acid degradation. Journal of Electroanalytical Chemistry, 2018, 812, 74-81.	3.8	28
20	Preparation and thermal properties of fatty acid/diatomite form-stable composite phase change material for thermal energy storage. Solar Energy Materials and Solar Cells, 2018, 178, 273-279.	6.2	141
21	CuCo2S4 nanotubes on carbon fiber papers for high-performance all-solid-state asymmetric supercapacitors. Journal of Materials Science: Materials in Electronics, 2018, 29, 8636-8648.	2.2	23
22	High-performance flexible all-solid-state asymmetric supercapacitors from nanostructured electrodes prepared by oxidation-assisted dealloying protocol. Chemical Engineering Journal, 2018, 331, 527-535.	12.7	113
23	Physicochemical Characterization of PbO₂ Coatings Electrosynthesized from a Methanesulfonate Electrolytic Solution. Journal of the Electrochemical Society, 2018, 165, D670-D675.	2.9	8
24	â€œ114â€â€Type Nitrides LnAl(Si_{4â^'x}Al_x)N₇O_{Î´} with Unusual [AlN₆] Octahedral Coordination. Angewandte Chemie, 2017, 129, 3944-3949.	2.0	0
25	â€œ114â€â€Type Nitrides LnAl(Si_{4â^'x}Al_x)N₇O_{Î´} with Unusual [AlN₆] Octahedral Coordination. Angewandte Chemie - International Edition, 2017, 56, 3886-3891.	13.8	1
26	InnenrÃ¼cktitelbild: â€œ114â€â€Type Nitrides LnAl(Si_{4â^'x}Al_x)N₇O_{Î´} with Unusual [AlN₆] Octahedral Coordination (Angew. Chem. 14/2017). Angewandte Chemie, 2017, 129, 4125-4125.	2.0	0
27	A novel high-strength lithium disilicate glass-ceramic featuring a highly intertwined microstructure. Journal of the European Ceramic Society, 2017, 37, 1083-1094.	5.7	55
28	Crystallization of a high-strength lithium disilicate glass-ceramic: An XRD and solid-state NMR investigation. Journal of Non-Crystalline Solids, 2017, 457, 65-72.	3.1	19
29	Self-organized ZnO nanorods prepared by anodization of zinc in NaOH electrolyte. RSC Advances, 2016, 6, 72968-72974.	3.6	24
30	Correction: Î²-Sialon nanowires, nanobelts and hierarchical nanostructures: morphology control, growth mechanism and cathodoluminescence properties. Nanoscale, 2016, 8, 14279-14279.	5.6	3
31	Trace phase formation, crystallization kinetics and crystallographic evolution of a lithium disilicate glass probed by synchrotron XRD technique. Scientific Reports, 2015, 5, 9159.	3.3	25
32	Preparation, Structure, and Upâ€Conversion Luminescence of Yb³⁺/Er³⁺ Codoped SrIn₂O₄ Phosphors. Journal of the American Ceramic Society, 2015, 98, 1182-1187.	3.8	20
33	Ca/Sr ratio dependent structure and up-conversion luminescence of (Ca_{1â^'x}Sr_x)In₂O₄â€‰:â€‰Yb³⁺/Ho³⁺ phosphors. RSC Advances, 2015, 5, 59403-59407.	3.6	10
34	Microwave-Assisted Synthesis of High Dielectric Constant CaCu3Ti4O12 from Solâ€“Gel Precursor. Journal of Electronic Materials, 2015, 44, 2243-2249.	2.2	13
35	Preparation, Microstructure, and Mechanical Properties of Spinel-Corundum-Sialon Composite Materials from Waste Fly Ash and Aluminum Dross. Advances in Materials Science and Engineering, 2014, 2014, 1-10.	1.8	6
36	New Yellow-Emitting Whitlockite-type Structure Sr_{1.75}Ca_{1.25}(PO₄)₂:Eu²⁺ Phosphor for Near-UV Pumped White Light-Emitting Devices. Inorganic Chemistry, 2014, 53, 5129-5135.	4.0	258

#	Article	IF	Citations
37	Investigation on lanthanide-dependent z value of JEM-phase Sialon. RSC Advances, 2014, 4, 6556.	3.6	1
38	Synthesis and formation mechanism of twinned SiC nanowires made by a catalyst-free thermal chemical vapour deposition method. RSC Advances, 2014, 4, 18360-18364.	3.6	22
39	Î²-Sialon nanowires, nanobelts and hierarchical nanostructures: morphology control, growth mechanism and cathodoluminescence properties. Nanoscale, 2014, 6, 424-432.	5.6	23
40	Structural Response of Lithium Disilicate in Glass Crystallization. Crystal Growth and Design, 2014, 14, 5144-5151.	3.0	21
41	Cation Substitution Dependent Bimodal Photoluminescence in Whitlockite Structural Ca_{3â€“x}Sr_x(PO₄)₂:Eu²⁺ (0 â‰	4.0	17
42	Investigation of phase evolution of CaCu3Ti4O12 (CCTO) by in situ synchrotron high-temperature powder diffraction. Journal of Solid State Chemistry, 2014, 211, 58-62.	2.9	21
43	Transmission electron microscopy study on crack propagation characteristics of pressureless sintered 15R-Î²-U Sialon-polytypoid composite. Ceramics International, 2014, 40, 1045-1049.	4.8	2
44	Nucleation and Crystallization Kinetics of a Multicomponent Lithium Disilicate Glass by in Situ and Real-Time Synchrotron X-ray Diffraction. Crystal Growth and Design, 2013, 13, 4031-4038.	3.0	47
45	In Situ High-Temperature Crystallographic Evolution of a Nonstoichiometric Li₂OÂ·2SiO₂ Glass. Inorganic Chemistry, 2013, 52, 14188-14195.	4.0	18
46	A porous (La, Sm) co-doped Sialon-polytypoid ceramic with colour and structure differences in multilayers. CrystEngComm, 2013, 15, 8552.	2.6	8
47	Crystalline phase formation, microstructure and mechanical properties of a lithium disilicate glassâ€“ceramic. Journal of Materials Science, 2013, 48, 251-257.	3.7	47
48	Fabrication of a high-strength lithium disilicate glass-ceramic in a complex glass system. Journal of Asian Ceramic Societies, 2013, 1, 46-52.	2.3	40
49	Ni(NO₃)₂-Assisted Catalytic Synthesis and Photoluminescence Property of Ultralong Single Crystal Sialon Nanobelts. Crystal Growth and Design, 2013, 13, 10-14.	3.0	16
50	TiO2 with hybrid nanostructures via anodization: fabrication and its mechanism. Scripta Materialia, 2013, 69, 374-376.	5.2	15
51	The effects of SiC_p addition on the z-value and mechanical properties of Î²-Sialonâ€“SiC_p refractories. Journal of the Ceramic Society of Japan, 2012, 120, 387-392.	1.1	4
52	Preparation and mechanical properties of NiCrâ€“Al2O3â€“ZrO2(8Y) ceramic composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 554, 1-5.	5.6	12
53	Phase behavior of serpentine mineral by carbothermal reduction nitridation. Applied Clay Science, 2012, 57, 86-90.	5.2	13
54	Synthesis and characterization of single-crystalline phase Li-Î±-Sialon. Ceramics International, 2012, 38, 3391-3395.	4.8	11

#	Article	IF	Citations
55	Microstructural and Mechanical Characterization of Pressureâ€Less Sintered <scp><scp>AlN</scp></scp>â€polytypoid Based Composites by Compositional Design. Journal of the American Ceramic Society, 2012, 95, 2044-2050.	3.8	12
56	Synthesis of Al8B4C7 ceramic powder from Al/B4C/C mixtures. Powder Technology, 2012, 226, 269-273.	4.2	16
57	Crystal structure of NdSi6â^'zAl1+zOzN10â^'z(z = 0.4) determined by single-crystal X-ray diffraction. Dalton Transactions, 2011, 40, 1261-1266.	3.3	10
58	Nd-Sialon Microcrystals with an Orthogonal Array. Crystal Growth and Design, 2010, 10, 2439-2442.	3.0	19
59	Phase Analysis of Forsterite in Carbothermal Reduction Processing. Advanced Materials Research, 0, 105-106, 848-850.	0.3	0