

Guoliang Shang

List of Publications by Year in descending order

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docs citations

36
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519
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#	ARTICLE	IF	CITATIONS
1	Tailoring Disorder and Quality of Photonic Glass Templates for Structural Coloration by Particle Charge Interactions. ACS Applied Materials & Interfaces, 2021, 13, 20511-20523.	4.0	6
2	Improved thermal stability of zirconia macroporous structures via homogeneous aluminum oxide doping and nanostructuring using atomic layer deposition. Journal of the European Ceramic Society, 2021, 41, 4302-4312.	2.8	8
3	Photonic glass based structural color. APL Photonics, 2020, 5, 060901.	3.0	37
4	Conductive and radiative heat transfer inhibition in YSZ photonic glass. Ceramics International, 2020, 46, 19241-19247.	2.3	10
5	Surface templated inverse photonic glass for saturated blue structural color. Optics Express, 2020, 28, 7759.	1.7	12
6	High-contrast structural color based on photonic glass from coreshell particles. , 2020, , .		0
7	Transparency induced in opals via nanometer thick conformal coating. Scientific Reports, 2019, 9, 11379.	1.6	4
8	YSZ Hollow Sphere Photonic Glasses: Tailoring Optical Properties for Highly Saturated Non-Iridescent Structural Coloration. Advanced Optical Materials, 2019, 7, 1900428.	3.6	18
9	Highly selective photonic glass filter for saturated blue structural color. APL Photonics, 2019, 4, .	3.0	17
10	The investigation on the mechanism of the increased decay time in red SrS:Eu ²⁺ ,Dy ³⁺ phosphor. Materials Chemistry and Physics, 2018, 207, 161-166.	2.0	4
11	Photonic glass for high contrast structural color. Scientific Reports, 2018, 8, 7804.	1.6	46
12	Preparation of large scale and highly ordered vanadium pentoxide (V ₂ O ₅) nanowire arrays towards high performance photodetectors. Journal of Materials Chemistry C, 2017, 5, 1471-1478.	2.7	31
13	Spectroscopy of photonic band gaps in mesoporous one-dimensional photonic crystals based on aluminum oxide. EPJ Web of Conferences, 2017, 132, 03054.	0.1	1
14	Necklace-like NiO-CuO Heterogeneous Composite Hollow Nanostructure: Preparation, Formation Mechanism and Structure Control. Scientific Reports, 2017, 7, 144.	1.6	9
15	Band-gap spectroscopy of mesoporous one-dimensional photonic-crystal alumina based films. Journal of Surface Investigation, 2017, 11, 246-253.	0.1	5
16	Mesoporous anodic aluminum oxide photonic crystalline films and its applications. Journal of Physics: Conference Series, 2017, 918, 012020.	0.3	2
17	Multiple Plasmonic Resonances and Cascade Effect in Asymmetrical Ag Nanowire Homotrimer. Chinese Journal of Chemical Physics, 2016, 29, 489-496.	0.6	0
18	Energy-Efficient induced unidirectional light propagation in porous alumina photonic crystal. Annalen Der Physik, 2016, 528, 288-294.	0.9	12

#	ARTICLE	IF	CITATIONS
19	Nitrogen-concentration modulated interfacial and electrical properties of sputtering-derived HfGdON gate dielectric. <i>Journal of Applied Physics</i> , 2016, 119, 214103.	1.1	7
20	Te hexagonal nanotubes: formation and optical properties. <i>Journal of Materials Science</i> , 2016, 51, 7170-7178.	1.7	10
21	Influence of dielectrics with light absorption on the photonic bandgap of porous alumina photonic crystals. <i>Nano Research</i> , 2016, 9, 703-712.	5.8	13
22	Alternative radiative and dark mode-induced multi-broadband transmission in asymmetrical metallic grating. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 015003.	1.0	0
23	Experimental realization of tunable defect mode in photonic crystal. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 435304.	1.3	14
24	Effects of rapid thermal annealing on interfacial and electrical properties of Gd-doped HfO ₂ high-k gate dielectrics. <i>Journal of Alloys and Compounds</i> , 2015, 646, 310-314.	2.8	21
25	SrS:Eu ²⁺ , Dy ³⁺ nanostructures: Morphologies evolution and properties of afterglow. <i>Journal of Alloys and Compounds</i> , 2015, 639, 149-152.	2.8	9
26	LiTaO ₃ microcubes: the layered structure and the increased Curie temperature. <i>RSC Advances</i> , 2015, 5, 31615-31621.	1.7	9
27	Alumina Photonic Crystals with Defect Modes for Sensor Application. <i>Chinese Journal of Chemical Physics</i> , 2014, 27, 121-124.	0.6	13
28	Fano resonance in anodic aluminum oxide based photonic crystals. <i>Scientific Reports</i> , 2014, 4, 3601.	1.6	34
29	Preparation of the very uniform pore diameter of anodic alumina oxidation by voltage compensation mode. <i>Materials Letters</i> , 2013, 110, 156-159.	1.3	14
30	Preparation of narrow photonic bandgaps located in the near infrared region and their applications in ethanol gas sensing. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5285.	2.7	49
31	Fabrication of one-dimensional alumina photonic crystals with a narrow band gap and their application to high-sensitivity sensors. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1659.	2.7	51
32	Anti-Counterfeiting of One-Dimensional Alumina Photonic Crystal by Creating Defects. <i>Electrochemical and Solid-State Letters</i> , 2012, 15, K23.	2.2	10
33	Anodic alumina photonic crystal heterostructures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 2931.	0.9	16
34	Controllable preparation of the ordered pore arrays anodic alumina with high-quality photonic band gaps. <i>Materials Letters</i> , 2011, 65, 2693-2695.	1.3	34
35	Nanomaterials for High Temperature Photonics. , 0, , .		0