

Hua Xu

List of Publications by Year in descending order

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papers

434
citations

840776
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21
docs citations

21
times ranked

478
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional Antireflection Coatings Based on Novel Hollow Silicaâ€“Silica Nanocomposites. ACS Applied Materials & Interfaces, 2014, 6, 1415-1423.	8.0	115
2	Flexible passive radiative cooling inspired by Saharan silver ants. Solar Energy Materials and Solar Cells, 2020, 210, 110512.	6.2	55
3	Studies of electromagnetically induced transparency in metamaterials. Optics Express, 2010, 18, 17736.	3.4	51
4	Solâ€“gel derived near-UV and visible antireflection coatings from hybridized hollow silica nanospheres. Journal of Sol-Gel Science and Technology, 2014, 71, 267-275.	2.4	47
5	Magnetic plasmon resonance: Underlying route to plasmonic electromagnetically induced transparency in metamaterials. Physical Review B, 2010, 82, .	3.2	27
6	Investigation on antireflection coatings for Al:ZnO in silicon thin-film solar cells. Optik, 2013, 124, 3392-3395.	2.9	22
7	Non-tapered metamaterial emitters for radiative cooling to low temperature limit. Optics Communications, 2019, 450, 246-251.	2.1	21
8	Relaxor-like dielectric behavior of pulsed-laser-deposited Pb0.5Sr0.5TiO3 films. Thin Solid Films, 2005, 493, 197-202.	1.8	20
9	Universal strategy for all-weather and all-terrain radiative cooling with non-reciprocal mid-infrared windows. Solar Energy, 2020, 207, 471-478.	6.1	18
10	Strain Sensitivity of Electric-Magnetic Coupling in Flexible Terahertz Metamaterials. Plasmonics, 2015, 10, 1331-1335.	3.4	14
11	Scalable-Manufactured Metamaterials for Simultaneous Visible Transmission, Infrared Reflection, and Microwave Absorption. ACS Applied Materials & Interfaces, 2022, 14, 33933-33943.	8.0	12
12	Ultra-thin atomic-layer deposited alumina incorporating silica sol makes ultra-durable antireflection coatings. Journal of Applied Physics, 2012, 112, 093517.	2.5	9
13	Simultaneous realization of light distribution and trapping in micromorph tandem solar cells using novel double-layered antireflection coatings. Solar Energy Materials and Solar Cells, 2015, 143, 546-552.	6.2	9
14	Near-infrared subwavelength imaging using Al:ZnO-based near-field superlens. Optical Materials Express, 2016, 6, 3892.	3.0	5
15	Origin of strain-induced resonances in flexible terahertz metamaterials. Chinese Physics B, 2016, 25, 057802.	1.4	4
16	Insight into the effects of surface oxidation and carbonization on the electronic properties of silicon quantum dots and silicon slabs: a density functional study. RSC Advances, 2014, 4, 60948-60952.	3.6	3
17	Dynamic control of localized plasmonic modes using light polarization. Optics Communications, 2013, 311, 77-82.	2.1	1
18	Anomalous dispersion engineering of co-sputtering Ag-AZO hybrids for antireflection coatings. Optics Letters, 2017, 42, 2894.	3.3	1

#	ARTICLE	IF	CITATIONS
19	Influence of oxygen pressure on Nd:LuVO ₄ films grown by pulsed laser deposition. Materials Research Bulletin, 2005, 40, 1915-1921.	5.2	0
20	Plasmonic analogue of atom systems with two-level to four-level configurations in metamaterials. , 2010, , .		0
21	Facile bottom-up growth of pyramidally textured ZnO:Al films by combined chemical bathing and DC sputtering deposition. Journal of Materials Science: Materials in Electronics, 2016, 27, 10764-10769.	2.2	0