Hua Xu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1346906/publications.pdf

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21	434	840585 11	839398 18
papers	citations	h-index	g-index

21	21	21	478
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multifunctional Antireflection Coatings Based on Novel Hollow Silicaâ€“Silica Nanocomposites. ACS Applied Materials & Interfaces, 2014, 6, 1415-1423.	4.0	115
2	Flexible passive radiative cooling inspired by Saharan silver ants. Solar Energy Materials and Solar Cells, 2020, 210, 110512.	3.0	55
3	Studies of electromagnetically induced transparency in metamaterials. Optics Express, 2010, 18, 17736.	1.7	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.	1.1	47
5	Magnetic plasmon resonance: Underlying route to plasmonic electromagnetically induced transparency in metamaterials. Physical Review B, 2010, 82, .	1.1	27
6	Investigation on antireflection coatings for Al:ZnO in silicon thin-film solar cells. Optik, 2013, 124, 3392-3395.	1.4	22
7	Non-tapered metamaterial emitters for radiative cooling to low temperature limit. Optics Communications, 2019, 450, 246-251.	1.0	21
8	Relaxor-like dielectric behavior of pulsed-laser-deposited Pb0.5Sr0.5TiO3 films. Thin Solid Films, 2005, 493, 197-202.	0.8	20
9	Universal strategy for all-weather and all-terrain radiative cooling with non-reciprocal mid-infrared windows. Solar Energy, 2020, 207, 471-478.	2.9	18
10	Strain Sensitivity of Electric-Magnetic Coupling in Flexible Terahertz Metamaterials. Plasmonics, 2015, 10, 1331-1335.	1.8	14
11	Scalable-Manufactured Metamaterials for Simultaneous Visible Transmission, Infrared Reflection, and Microwave Absorption. ACS Applied Materials & Interfaces, 2022, 14, 33933-33943.	4.0	12
12	Ultra-thin atomic-layer deposited alumina incorporating silica sol makes ultra-durable antireflection coatings. Journal of Applied Physics, 2012, 112, 093517.	1.1	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.	3.0	9
14	Near-infrared subwavelength imaging using Al:ZnO-based near-field superlens. Optical Materials Express, 2016, 6, 3892.	1.6	5
15	Origin of strain-induced resonances in flexible terahertz metamaterials. Chinese Physics B, 2016, 25, 057802.	0.7	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.	1.7	3
17	Dynamic control of localized plasmonic modes using light polarization. Optics Communications, 2013, 311, 77-82.	1.0	1
18	Anomalous dispersion engineering of co-sputtering Ag-AZO hybrids for antireflection coatings. Optics Letters, 2017, 42, 2894.	1.7	1

#	Article	IF	Citations
19	Influence of oxygen pressure on Nd:LuVO4 films grown by pulsed laser deposition. Materials Research Bulletin, 2005, 40, 1915-1921.	2.7	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.	1.1	0