

Ramu Pasupathi Sugavaneshwar

List of Publications by Year in descending order

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16
papers

672
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1307594

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1094
citing authors

#	ARTICLE	IF	CITATIONS
1	Epitaxial growth mechanism of high-crystallinity lanthanum hexaboride (001) thin films on silicon (001) by electron beam deposition. Applied Physics Express, 2020, 13, 055504.	2.4	4
2	Optical Excitation of Hot Carriers and Photothermal Conversions with Transition Metal Nitrides and Transition Metal Carbides. The Review of Laser Engineering, 2019, 47, 365.	0.0	0
3	Enhanced Solar Light Absorption and Photoelectrochemical Conversion Using TiN Nanoparticle-Incorporated $C_{30}N_{40}$ C Dot Sheets. ACS Applied Materials & Interfaces, 2018, 10, 2460-2468.	8.0	64
4	Fabrication of Highly Metallic TiN Films by Pulsed Laser Deposition Method for Plasmonic Applications. ACS Photonics, 2018, 5, 814-819.	6.6	60
5	Effect of oxygen annealing on the photoresponse of PbSe thin films fabricated by the pulsed laser deposition method. Radiation Effects and Defects in Solids, 2018, 173, 112-117.	1.2	13
6	UV-visible light photocurrent enhancement in STO thin films through metal-defect co-doping effect combined with Au plasmons. Materials Express, 2017, 7, 66-71.	0.5	1
7	Spectrally Selective Mid-Infrared Thermal Emission from Molybdenum Plasmonic Metamaterial Operated up to 1000 Å°C. Advanced Optical Materials, 2016, 4, 1987-1992.	7.3	79
8	Hole Array Perfect Absorbers for Spectrally Selective Midwavelength Infrared Pyroelectric Detectors. ACS Photonics, 2016, 3, 1271-1278.	6.6	92
9	Solar water heating and vaporization with silicon nanoparticles at mie resonances. Optical Materials Express, 2016, 6, 640.	3.0	69
10	Titanium Nitride Nanoparticles as Plasmonic Solar Heat Transducers. Journal of Physical Chemistry C, 2016, 120, 2343-2348.	3.1	273
11	Enhanced photocatalytic activity of ultra-high aspect ratio ZnO nanowires due to Cu induced defects. Radiation Effects and Defects in Solids, 2015, 170, 939-944.	1.2	1
12	Plasmon mediated cathodic photocurrent generation in sol-gel synthesized doped SrTiO ₃ nanofilms. APL Materials, 2015, 3, .	5.1	6
13	Lossy plasmonic resonances in nanoparticles for broadband light absorption. , 2015, , .		0
14	Sunlight absorbing titanium nitride nanoparticles. , 2015, , .		4
15	Fabrication of Highly Dense Nanoholes by Self-Assembled Gallium Droplet on Silicon Surface. Materials Express, 2012, 2, 245-250.	0.5	3
16	Optical Properties and Optimization of LaB ₆ Thin Films for Photothermal Applications. Advanced Optical Materials, 0, , 2101787.	7.3	3