

# 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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1199594

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docs citations

16  
times ranked

1094  
citing authors

#	ARTICLE	IF	CITATIONS
1	Titanium Nitride Nanoparticles as Plasmonic Solar Heat Transducers. Journal of Physical Chemistry C, 2016, 120, 2343-2348.	3.1	273
2	Hole Array Perfect Absorbers for Spectrally Selective Midwavelength Infrared Pyroelectric Detectors. ACS Photonics, 2016, 3, 1271-1278.	6.6	92
3	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
4	Solar water heating and vaporization with silicon nanoparticles at mie resonances. Optical Materials Express, 2016, 6, 640.	3.0	69
5	Enhanced Solar Light Absorption and Photoelectrochemical Conversion Using TiN Nanoparticle-Incorporated C <sub>3</sub> N <sub>4</sub> C Dot Sheets. ACS Applied Materials & Interfaces, 2018, 10, 2460-2468.	8.0	64
6	Fabrication of Highly Metallic TiN Films by Pulsed Laser Deposition Method for Plasmonic Applications. ACS Photonics, 2018, 5, 814-819.	6.6	60
7	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
8	Plasmon mediated cathodic photocurrent generation in sol-gel synthesized doped SrTiO <sub>3</sub> nanofilms. APL Materials, 2015, 3, .	5.1	6
9	Sunlight absorbing titanium nitride nanoparticles. , 2015, , .		4
10	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
11	Fabrication of Highly Dense Nanoholes by Self-Assembled Gallium Droplet on Silicon Surface. Materials Express, 2012, 2, 245-250.	0.5	3
12	Optical Properties and Optimization of LaB <sub>6</sub> Thin Films for Photothermal Applications. Advanced Optical Materials, 0, , 2101787.	7.3	3
13	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
14	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
15	Lossy plasmonic resonances in nanoparticles for broadband light absorption. , 2015, , .		0
16	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