

V P Mahadevan Pillai

List of Publications by Year in descending order

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29
papers

438
citations

933447

10
h-index

713466

21
g-index

30
all docs

30
docs citations

30
times ranked

521
citing authors

#	ARTICLE	IF	CITATIONS
1	ZnO-Modified MoO ₃ Nano-Rods, -Wires, -Belts and -Tubes: Photophysical and Nonlinear Optical Properties. Journal of Physical Chemistry C, 2013, 117, 7818-7829.	3.1	75
2	Bandgap renormalization in titania modified nanostructured tungsten oxide thin films prepared by pulsed laser deposition technique for solar cell applications. Journal of Applied Physics, 2008, 104, 033515.	2.5	72
3	Structural, spectroscopic and electrical studies of nanostructured porous ZnO thin films prepared by pulsed laser deposition. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 724-732.	3.9	38
4	Surface plasmon resonance in nanostructured Ag incorporated ZnS films. AIP Advances, 2015, 5, .	1.3	37
5	Effect of silver incorporation in phase formation and band gap tuning of tungsten oxide thin films. Journal of Applied Physics, 2012, 112, .	2.5	35
6	Ag@Nb ₂ O ₅ plasmonic blocking layer for higher efficiency dye-sensitized solar cells. Dalton Transactions, 2018, 47, 4685-4700.	3.3	27
7	Effect of oxygen pressure on the structural and optical properties of BaSnO ₃ films prepared by pulsed laser deposition method. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	25
8	Silver nanoparticles-incorporated Nb ₂ O ₅ surface passivation layer for efficiency enhancement in dye-sensitized solar cells. Journal of Colloid and Interface Science, 2018, 524, 236-244.	9.4	22
9	Effect of substrate temperature, laser energy and post-deposition annealing on the structural, morphological and optical properties of laser-ablated perovskite BaSnO ₃ films. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	17
10	Influence of Pr Doping on the Structural, Morphological, Optical, Luminescent and Non-linear Optical Properties of RF-Sputtered ZnO Films. Jom, 2016, 68, 341-350.	1.9	10
11	Effect of Fe doping on the structural, morphological, optical, magnetic and dielectric properties of BaSnO ₃ . Journal of Materials Science: Materials in Electronics, 2021, 32, 11763-11780.	2.2	9
12	Structural, Morphological, Magnetic and Optical Limiting Performance of Ni Doped BaSnO ₃ . Journal of Electronic Materials, 2021, 50, 5868-5880.	2.2	9
13	Effect of thermal annealing on the phase evolution of silver tungstate in Ag/WO ₃ films. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 145, 239-244.	3.9	8
14	Effect of manganese doping on the structural, morphological, optical, electrical, and magnetic properties of BaSnO ₃ . Journal of Materials Science: Materials in Electronics, 2020, 31, 11159-11176.	2.2	8
15	Effect of Nb doping on the structural, morphological, optical and electrical properties of RF magnetron sputtered In ₂ O ₃ nanostructured films. Physica Status Solidi C: Current Topics in Solid State Physics, 2016, 14, 1600095.	0.8	7
16	Photovoltaic Application of Rice Flake-Shaped ZnO Nanostructures. Journal of Electronic Materials, 2020, 49, 3290-3300.	2.2	7
17	Micro-Structural, Electrical and Spectroscopic Investigations of Pulsed Laser Ablated Palladium Incorporated Nanostructured Tungsten Oxide Films. Journal of Nanoscience and Nanotechnology, 2009, 9, 5335-5344.	0.9	5
18	Effect of Electron Beam Irradiation on Structural and Optical Properties of Cu-Doped In ₂ O ₃ Films Prepared by RF Magnetron Sputtering. Jom, 2018, 70, 739-746.	1.9	5

#	ARTICLE	IF	CITATIONS
19	Tailoring the properties of zinc oxide films by incorporating gold nanoparticles using RF magnetron sputtering. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	5
20	Studies on surface pitting during laser assisted removal of translucent ellipsoidal particulates from metallic substrates. <i>Optics and Lasers in Engineering</i> , 2017, 91, 24-29.	3.8	4
21	Effect of Tungsten Doping on the Properties of In ₂ O ₃ Films. <i>Jom</i> , 2019, 71, 1885-1896.	1.9	3
22	Particle assisted structuring on metallic substrate: Anomaly when particle size exceeds irradiation wavelength. <i>AIP Advances</i> , 2020, 10, 035222.	1.3	3
23	Study on the Structural, Morphological and Optical Properties of RF-Sputtered Dysprosium-Doped Barium Tungstate Thin Films. <i>Jom</i> , 2017, 69, 2272-2277.	1.9	2
24	Observation of particle assisted nano-ring, bump, pit structures on semiconductor substrates by dry laser exposure. <i>AIP Advances</i> , 2018, 8, .	1.3	2
25	Effect of ZnO doping on the structural and optical properties of BaWO ₄ thin films prepared using pulsed laser ablation technique. <i>Pramana - Journal of Physics</i> , 2010, 75, 1157-1161.	1.8	1
26	Highly Ordered Good Crystalline ZnO-Doped WO ₃ Thin Films Suitable for Optoelectronic Applications. <i>Jom</i> , 2019, 71, 1874-1884.	1.9	1
27	Structural and optical characterization of pulsed laser ablated potassium lithium niobate thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2801-2808.	1.8	0
28	Deriving aerosol scattering ratio using range-resolved lidar ratio. <i>Pramana - Journal of Physics</i> , 2014, 82, 391-395.	1.8	0
29	Effect of RF Power on the Structural and Optical Properties of Zinc Sulfide Films. <i>Jom</i> , 2017, 69, 2264-2271.	1.9	0