

# P M Aneesh

## List of Publications by Year in descending order

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37  
papers

726  
citations

516710

16  
h-index

552781

26  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1014  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of ZnO nanoparticles by hydrothermal method. Proceedings of SPIE, 2007, , .	0.8	132
2	Linear and nonlinear optical properties of luminescent ZnO nanoparticles embedded in PMMA matrix. Optics Communications, 2010, 283, 2908-2913.	2.1	73
3	Red luminescence from hydrothermally synthesized Eu-doped ZnO nanoparticles under visible excitation. Bulletin of Materials Science, 2010, 33, 227-231.	1.7	64
4	Hydrothermal Synthesis and Characterization of Undoped and Eu-Doped ZnGa <sub>2</sub> O <sub>4</sub> Nanoparticles. Journal of the Electrochemical Society, 2009, 156, K33.	2.9	50
5	Violet luminescence from ZnO nanorods grown by room temperature pulsed laser deposition. Current Applied Physics, 2010, 10, 693-697.	2.4	37
6	Semiconducting Fabrics by In-situ Topochemical Synthesis of Polydiacetylene: A New Dimension to the Use of Organogels. Angewandte Chemie - International Edition, 2016, 55, 2345-2349.	13.8	37
7	Structural, optical and magnetic properties of SnS <sub>2</sub> nanoparticles and photo response characteristics of p-Si/n-SnS <sub>2</sub> heterojunction diode. Applied Surface Science, 2020, 528, 146977.	6.1	29
8	MoS <sub>2</sub> -ZnO nanocomposites as highly functional agents for anti-angiogenic and anti-cancer theranostics. Journal of Materials Chemistry B, 2018, 6, 3048-3057.	5.8	28
9	Phase Engineering from 2H to 1T-MoS <sub>2</sub> for Efficient Ammonia PL Sensor and Electrocatalyst for Hydrogen Evolution Reaction. Journal of the Electrochemical Society, 2019, 166, H263-H271.	2.9	26
10	Structural and optical properties of V <sub>2</sub> O <sub>5</sub> nanostructures grown by thermal decomposition technique. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	23
11	Wasp-waisted magnetism in hydrothermally grown MoS <sub>2</sub> nanoflakes. Materials Research Express, 2016, 3, 116102.	1.6	21
12	Enhancement in the Selectivity and Sensitivity of Ni and Pd Functionalized MoS <sub>2</sub> Toxic Gas Sensors. Journal of the Electrochemical Society, 2020, 167, 106506.	2.9	20
13	Size-Dependent Optical Nonlinearity of Au Nanocrystals. Journal of the Electrochemical Society, 2009, 156, K167.	2.9	19
14	Linear and Nonlinear Optical Properties of Multi Walled Carbon Nanotubes with Attached Gold Nanoparticles. Journal of the Electrochemical Society, 2011, 158, K187.	2.9	19
15	MoS <sub>2</sub> nanoparticles induce behavioral alteration and oxidative stress mediated cellular toxicity in the social insect Oecophylla smaragdina (Asian weaver ant). Journal of Hazardous Materials, 2020, 385, 121624.	12.4	18
16	Excitation-wavelength dependent upconverting surfactant free MoS <sub>2</sub> nanoflakes grown by hydrothermal method. Journal of Luminescence, 2017, 192, 6-10.	3.1	17
17	Co <sup>2+</sup> doped ZnO nanoflowers grown by hydrothermal method. Journal of the Ceramic Society of Japan, 2010, 118, 333-336.	1.1	13
18	Highly luminescent undoped and Mn-doped ZnS nanoparticles by liquid phase pulsed laser ablation. Applied Physics A: Materials Science and Processing, 2014, 116, 1085-1089.	2.3	13

#	ARTICLE	IF	CITATIONS
19	Enhanced optical, magnetic and hydrogen evolution reaction properties of $\text{Mo}_{1-x}\text{Ni}_x\text{S}_2$ nanoflakes. RSC Advances, 2019, 9, 13465-13475.	3.6	13
20	Photonic crystal electrode to be used in organic LED structures. Journal of the European Optical Society-Rapid Publications, 0, 8, .	1.9	11
21	Efficient degradation of methylene blue: A comparative study using hydrothermally synthesised $\text{SnS}_2$ , $\text{WS}_2$ and $\text{VS}_2$ nanostructures. Materials Research Bulletin, 2022, 146, 111623.	5.2	11
22	Effect of growth techniques on the structural and optical properties of $\text{TiO}_2$ nanostructures. Materials Research Express, 2018, 5, 015031.	1.6	10
23	Focused ion beam strategy for nanostructure milling in doped silicon oxide layer for light trapping applications. Vacuum, 2014, 99, 135-142.	3.5	9
24	Structural, optical, magnetic and electrochemical properties of hydrothermally synthesized $\text{WS}_2$ nanoflakes. Journal of Materials Research, 2021, 36, 884-895.	2.6	9
25	Liquid Phase Pulsed Laser Ablation of Metal Nanoparticles for Nonlinear Optical Applications. Science of Advanced Materials, 2012, 4, 439-448.	0.7	7
26	Growth of ITO thin films on polyimide substrate by bias sputtering. Materials Science in Semiconductor Processing, 2010, 13, 64-69.	4.0	5
27	Growth of vertically aligned $\text{ZnO}$ nanorods on various substrates by hydrothermal method. Proceedings of SPIE, 2010, , .	0.8	3
28	The effect of solvent on the morphology of $\text{ZnO}$ nanostructure assembly by dielectrophoresis and its device applications. Electrophoresis, 2012, 33, 2086-2093.	2.4	2
29	Observation of Room Temperature Photoluminescence from Asymmetric $\text{CuGaO}_2/\text{ZnO}/\text{ZnMgO}$ Multiple Quantum Well Structures. Journal of Nanoscience and Nanotechnology, 2015, 15, 3944-3950.	0.9	2
30	Room temperature ferromagnetism in $\text{Zn}_{1-x}\text{Ni}_x\text{O}$ nanostructures synthesized by chemical precipitation method. Materials Research Express, 2017, 4, 105905.	1.6	2
31	Growth and characterization of $\text{In}_2\text{MoO}_3$ thin films grown by spray pyrolysis technique. AIP Conference Proceedings, 2019, , .	0.4	2
32	Optical Properties of Metal, Semiconductor and Ceramic Nanostructures Grown by Liquid Phase-Pulsed Laser Ablation. Materials Horizons, 2020, , 103-128.	0.6	1
33	Assembly of Zinc Oxide Nanostructures by Dielectrophoresis for Sensing Devices. Lecture Notes in Electrical Engineering, 2014, , 261-264.	0.4	0
34	Structural and optical studies of hydrothermally synthesized $\text{MoS}_2$ nanostructures. AIP Conference Proceedings, 2016, , .	0.4	0
35	Structural and optical studies of hydrothermally synthesised $\text{WS}_2$ - $\text{WO}_3$ nanorods. AIP Conference Proceedings, 2019, , .	0.4	0
36	Optical Properties of Quantum Well Structures. Materials Horizons, 2020, , 129-154.	0.6	0

#	ARTICLE	IF	CITATIONS
37	Fabrication of transparent p-CuI/n-ZnO heterojunctions using solution-processed spin coating technique. <i>Physica B: Condensed Matter</i> , 2022, 639, 414020.	2.7	0