

# Pranab Kishore Mohapatra

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

253  
citations

1163117

8  
h-index

1125743

13  
g-index

15  
all docs

15  
docs citations

15  
times ranked

549  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strictly monolayer large continuous MoS <sub>2</sub> films on diverse substrates and their luminescence properties. Applied Physics Letters, 2016, 108, .	3.3	52
2	Exciton Emission Intensity Modulation of Monolayer MoS <sub>2</sub> via Au Plasmon Coupling. Scientific Reports, 2017, 7, 41175.	3.3	50
3	Self-functionalized ultrastable water suspension of luminescent carbon quantum dots. Materials Chemistry and Physics, 2019, 225, 23-27.	4.0	41
4	Improved photocatalytic degradation of organic dye using Ag <sub>3</sub> PO <sub>4</sub> /MoS <sub>2</sub> nanocomposite. Frontiers of Materials Science, 2017, 11, 366-374.	2.2	20
5	Selective Area Growth and Transfer of High Optical Quality MoS <sub>2</sub> Layers. Advanced Materials Interfaces, 2020, 7, 2001549.	3.7	19
6	Tailoring of defect luminescence in CVD grown monolayer MoS <sub>2</sub> . Applied Surface Science, 2018, 445, 542-547.	6.1	18
7	Large-Scale characterization of Two-Dimensional Monolayer MoS <sub>2</sub> Island Domains Using Spectroscopic Ellipsometry and Reflectometry. Applied Surface Science, 2020, 524, 146418.	6.1	18
8	Photoluminescence characteristics of CdSe quantum dots: role of exciton-phonon coupling and defect/trap states. Materials Research Express, 2017, 4, 075007.	1.6	11
9	MoS <sub>2</sub> cleaning by acetone and UV-ozone: Geological and synthetic material. Applied Surface Science, 2019, 478, 183-188.	6.1	8
10	Bright excitonic multiplexing mediated by dark exciton transition in two-dimensional TMDCs at room temperature. Materials Horizons, 2022, 9, 1089-1098.	12.2	8
11	Reduced carrier trapping in CdSe/ZnS/CdSe heterostructure quantum dots inferred from temperature dependent spectral studies. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 102, 58-65.	2.7	4
12	Exciton-Phonon Interaction and Role of defect/trap states in CdSe Quantum Dots. Materials Today: Proceedings, 2016, 3, 3992-3996.	1.8	2
13	Spectroscopic monitoring of the evolution of size and structural defects in kinetic growth of CdSe quantum dots. Materials Today: Proceedings, 2019, 9, 237-246.	1.8	2
14	Spectroscopy and dynamics of charge transfer excitons in type-II band aligned quantum confined heterostructures. AIP Conference Proceedings, 2015, , .	0.4	0
15	Interaction of graphene quantum dots with bulk semiconductor surfaces. AIP Conference Proceedings, 2015, , .	0.4	0