

# Parlapalli V Satyam

## List of Publications by Year in descending order

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11  
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1163117

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docs citations

11  
times ranked

676  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Active 2D Layered MoS <sub>2</sub> -rGO Hybrids for Energy Conversion and Storage Applications. Scientific Reports, 2017, 7, 8378.	3.3	143
2	Defect-Engineered MoO <sub>3</sub> Nanostructures as an Efficient Electrocatalyst for Oxygen Evolution Reaction. ACS Applied Energy Materials, 2020, 3, 5208-5218.	5.1	54
3	Simple Growth of Faceted Au@ZnO Hetero-nanostructures on Silicon Substrates (Nanowires and) Visible Light. ACS Applied Materials & Interfaces, 2015, 7, 9486-9496.	8.0	38
4	Optical band gap, local work function and field emission properties of MBE grown $\beta$ -MoO <sub>3</sub> nanoribbons. Applied Surface Science, 2019, 476, 691-700.	6.1	28
5	Growth of Au capped GeO <sub>2</sub> nanowires for visible-light photodetection. Applied Physics Letters, 2016, 109, .	3.3	23
6	P-type $\beta$ -MoO <sub>3</sub> nanostructures on n-Si by hydrogenation process: synthesis and application towards self-biased UV-visible photodetection. Nanotechnology, 2019, 30, 035204.	2.6	18
7	Ag nanoparticle decorated molybdenum oxide structures: growth, characterization, DFT studies and their application to enhanced field emission. Nanotechnology, 2017, 28, 415602.	2.6	14
8	Microscopy and spectroscopy study of nanostructural phase transformation from $\beta$ -MoO <sub>3</sub> to Mo under UHV MBE conditions. Surface Science, 2019, 682, 64-74.	1.9	9
9	Growth of Molybdenum Trioxide Nanoribbons on Oriented Ag and Au Nanostructures: A Scanning Electron Microscopy (SEM) Study. Microscopy and Microanalysis, 2019, 25, 1449-1456.	0.4	5
10	In situ synchrotron X-ray diffraction study of coherently embedded silver nanostructure growth in silicon. CrystEngComm, 2017, 19, 6811-6820.	2.6	3
11	Tuning the structural, optical, local work function and field emission properties of molybdenum oxide thin films with oxygen partial pressures. Journal of Applied Physics, 2020, 127, 025301.	2.5	1