

# Appalakondaiah Samudrala

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5538030/publications.pdf>

Version: 2024-02-01

15  
papers

719  
citations

759233

12  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1422  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh-resolution scanning microwave impedance microscopy of moiré lattices and superstructures. Science Advances, 2020, 6, .	10.3	23
2	Quasiparticle interference and impurity resonances on WTe <sub>2</sub> . Nano Research, 2020, 13, 2534-2540.	10.4	7
3	A Fermi-Level-Pinning-Free 1D Electrical Contact at the Intrinsic 2D MoS <sub>2</sub> -Metal Junction. Advanced Materials, 2019, 31, e1808231.	21.0	108
4	Photoresponse of Physically Oxidized Graphene Sensitized by an Organic Dye. Journal of Physical Chemistry C, 2017, 121, 8188-8195.	3.1	1
5	Characterization of Edge Contact: Atomically Resolved Semiconductor-Metal Lateral Boundary in MoS <sub>2</sub> . Advanced Materials, 2017, 29, 1702931.	21.0	14
6	High pressure structural, electronic, and optical properties of polymorphic InVO <sub>4</sub> phases. Journal of Applied Physics, 2016, 119, 085702.	2.5	17
7	Structural stability of ultra-incompressible Mo <sub>2</sub> B: A combined experimental and theoretical study. Journal of Alloys and Compounds, 2016, 654, 554-560.	5.5	17
8	High pressure structural behavior of YGa <sub>2</sub> : A combined experimental and theoretical study. Journal of Solid State Chemistry, 2015, 226, 11-16.	2.9	3
9	Dispersion Corrected Structural Properties and Quasiparticle Band Gaps of Several Organic Energetic Solids. Journal of Physical Chemistry A, 2015, 119, 6574-6581.	2.5	23
10	Structural, elastic, optical properties and quasiparticle band structure of solid cyanuric triazide. Chemical Physics Letters, 2014, 605-606, 10-15.	2.6	13
11	Structural, vibrational, and quasiparticle band structure of 1,1-diamino-2,2-dinitroethylene from <i>ab initio</i> calculations. Journal of Chemical Physics, 2014, 140, 014105.	3.0	39
12	Structural, electronic and optical properties of novel carbonate fluorides ABCO <sub>3</sub> F (A=K, Rb, Cs; B=Ca,) <i>Tj ETQqO O QrgBT /Overlock 10 T</i>	2.9	20
13	Phase Stability and Thermoelectric Properties of the Mineral FeS <sub>2</sub> : An <i>Ab Initio</i> Study. Journal of Physical Chemistry C, 2013, 117, 21120-21131.	3.1	65
14	A DFT study on structural, vibrational properties, and quasiparticle band structure of solid nitromethane. Journal of Chemical Physics, 2013, 138, 184705.	3.0	54
15	Effect of van der Waals interactions on the structural and elastic properties of black phosphorus. Physical Review B, 2012, 86, .	3.2	315