

# 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

758635

12  
h-index

996533

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1422  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of van der Waals interactions on the structural and elastic properties of black phosphorus. <i>Physical Review B</i> , 2012, 86, .	1.1	315
2	A Fermi Level Pinning Free 1D Electrical Contact at the Intrinsic 2D MoS <sub>2</sub> Metal Junction. <i>Advanced Materials</i> , 2019, 31, e1808231.	11.1	108
3	Phase Stability and Thermoelectric Properties of the Mineral FeS <sub>2</sub> : An Ab Initio Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21120-21131.	1.5	65
4	A DFT study on structural, vibrational properties, and quasiparticle band structure of solid nitromethane. <i>Journal of Chemical Physics</i> , 2013, 138, 184705.	1.2	54
5	Structural, vibrational, and quasiparticle band structure of 1,1-diamino-2,2-dinitroethelene from <i>ab initio</i> calculations. <i>Journal of Chemical Physics</i> , 2014, 140, 014105.	1.2	39
6	Dispersion Corrected Structural Properties and Quasiparticle Band Gaps of Several Organic Energetic Solids. <i>Journal of Physical Chemistry A</i> , 2015, 119, 6574-6581.	1.1	23
7	Ultrahigh-resolution scanning microwave impedance microscopy of moiré lattices and superstructures. <i>Science Advances</i> , 2020, 6, .	4.7	23
8	Structural, electronic and optical properties of novel carbonate fluorides ABCO <sub>3</sub> F (A=K, Rb, Cs; B=Ca,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i>	1.4	20
9	High pressure structural, electronic, and optical properties of polymorphic InVO <sub>4</sub> phases. <i>Journal of Applied Physics</i> , 2016, 119, 085702.	1.1	17
10	Structural stability of ultra-incompressible Mo <sub>2</sub> B: A combined experimental and theoretical study. <i>Journal of Alloys and Compounds</i> , 2016, 654, 554-560.	2.8	17
11	Characterization of Edge Contact: Atomically Resolved Semiconductor Metal Lateral Boundary in MoS <sub>2</sub> . <i>Advanced Materials</i> , 2017, 29, 1702931.	11.1	14
12	Structural, elastic, optical properties and quasiparticle band structure of solid cyanuric triazide. <i>Chemical Physics Letters</i> , 2014, 605-606, 10-15.	1.2	13
13	Quasiparticle interference and impurity resonances on WTe <sub>2</sub> . <i>Nano Research</i> , 2020, 13, 2534-2540.	5.8	7
14	High pressure structural behavior of YGa <sub>2</sub> : A combined experimental and theoretical study. <i>Journal of Solid State Chemistry</i> , 2015, 226, 11-16.	1.4	3
15	Photoresponse of Physically Oxidized Graphene Sensitized by an Organic Dye. <i>Journal of Physical Chemistry C</i> , 2017, 121, 8188-8195.	1.5	1