

Vijay Kumar Gudelli

List of Publications by Year in descending order

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papers

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16
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648
citing authors

#	ARTICLE	IF	CITATIONS
1	Large bulk photovoltaic effect and second-harmonic generation in few-layer pentagonal semiconductors PdS ₂ and PdSe ₂ . New Journal of Physics, 2021, 23, 093028.	2.9	9
2	Antiferromagnetism-induced second-order nonlinear optical responses of centrosymmetric bilayer CrI ₃ . Chinese Journal of Physics, 2020, 68, 896-907.	3.9	6
3	Sn-Doping Enhanced Ultrahigh Mobility In _{1-x} Sn _x Se Phototransistor. ACS Applied Materials & Interfaces, 2019, 11, 24269-24278.	8.0	17
4	Magnetism and magneto-optical effects in bulk and few-layer CrI ₃ : a theoretical GGA+U study. New Journal of Physics, 2019, 21, 053012.	2.9	62
5	Structural and thermoelectric properties of zintl-phase CaLiPn (Pn=As, Sb, Bi). Journal of Solid State Chemistry, 2016, 243, 198-206.	2.9	10
6	Predicted thermoelectric properties of olivine-type Fe ₂ GeCh ₄ (Ch=S, Se and Te) $T_{1/2}$ ETQq0 0 0	1.8	11
7	Electronic structure, transport, and phonons of $\text{SrAg}_2\text{C}_2\text{h}$ $F(\text{Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 502 Td (xnlr$ Review B, 2015, 92, .	3.2	36
8	Thermoelectric properties of CuAlCh ₂ (Ch = S, Se and Te). AIP Conference Proceedings, 2015, , .	0.4	1
9	Thermoelectric properties of binary LnN (Ln=La and Lu): First principles study. AIP Conference Proceedings, 2015, , .	0.4	4
10	CuAlTe ₂ : A promising bulk thermoelectric material. Journal of Alloys and Compounds, 2015, 648, 958-965.	5.5	13
11	Elastic constants and Fermi surface topology change in Calaverite AuTe ₂ : A density functional study. , 2014, , .		0
12	Thermoelectric properties of marcasite and pyrite FeX ₂ (X = Se, Te): a first principle study. RSC Advances, 2014, 4, 9424.	3.6	37
13	Phase Stability and Thermoelectric Properties of the Mineral FeS ₂ : An Ab Initio Study. Journal of Physical Chemistry C, 2013, 117, 21120-21131.	3.1	65
14	Yb ₅ Ga ₂ Sb ₆ : A Mixed Valent and Narrow-Band Gap Material in the RE ₅ M ₂ X ₆ Family. Inorganic Chemistry, 2013, 52, 13631-13638.	4.0	28
15	Thermoelectric properties of chalcopyrite type CuGaTe ₂ and chalcostibite CuSbS ₂ . Journal of Applied Physics, 2013, 114, .	2.5	67