

Sungjin Park

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6719376/publications.pdf>

Version: 2024-02-01

19
papers

194
citations

1162889

8
h-index

1058333

14
g-index

19
all docs

19
docs citations

19
times ranked

320
citing authors

#	ARTICLE	IF	CITATIONS
1	Borane-modified graphene-based materials as CO ₂ adsorbents. Carbon, 2014, 79, 450-456.	5.4	53
2	Fine tuning of Fermi level by charged impurity-defect cluster formation and thermoelectric properties in n-type PbTe-based compounds. Journal of Materials Chemistry A, 2019, 7, 16488-16500.	5.2	24
3	Hybrid-Functional and Quasi-Particle Calculations of Band Structures of Mg ₂ Si, Mg ₂ Ge, and Mg ₂ Sn. Journal of the Korean Physical Society, 2019, 75, 144-152.	0.3	20
4	On the relevance of point defects for the selection of contacting electrodes: Ag as an example for Mg ₂ (Si,Sn)-based thermoelectric generators. Materials Today Physics, 2021, 16, 100309.	2.9	19
5	Native point defects and low p-doping efficiency in Mg ₂ (Si,Sn) solid solutions: A hybrid-density functional study. Journal of Alloys and Compounds, 2021, 853, 157145.	2.8	16
6	Overcoming Asymmetric Contact Resistances in Al-Contacted Mg ₂ (Si,Sn) Thermoelectric Legs. Materials, 2021, 14, 6774.	1.3	14
7	Control of oxygen content of n-type Bi ₂ Te ₃ based compounds by sintering process and their thermoelectric properties. Materials Letters, 2018, 230, 211-214.	1.3	9
8	Effect of defect interactions with interstitial Ag in the lattice of Bi _x Sb _{2-2x} Te ₃ alloys and their thermoelectric properties. Applied Physics Letters, 2021, 118, .	1.5	8
9	Control of CO ₂ Capture Process on Transition-Metal-Porphyrin-like Graphene with Mechanical Strain. ACS Omega, 2018, 3, 10554-10563.	1.6	7
10	He ₄ adsorption on aH ₂ -platedC ₂₀ molecular surface: The formation of helium buckyballs. Physical Review E, 2014, 89, 042118.	0.8	5
11	Anisotropic superfluidity of 4He on a C ₃₆ fullerene molecule. Journal of Chemical Physics, 2015, 143, 104311.	1.2	5
12	Interlayer correlation between two He adsorbed on both sides of $monolayers$	1.1	4
13	Thermoelectric Properties of Off-Stoichiometric Bi ₂ Te ₂ Se Compounds. Journal of Electronic Materials, 2020, 49, 5308-5316.	1.0	4
14	Entropy stabilized off-stoichiometric cubic $\hat{I}^3-Cu1\hat{a}^{\sim}xlx$ phase containing high-density Cu vacancies. AIP Advances, 2021, 11, .	0.6	3
15	Off-Centered Pb Interstitials in PbTe. Materials, 2022, 15, 1272.	1.3	2
16	Structural Analysis, Phase Stability, Electronic Band Structures, and Electric Transport Types of (Bi ₂) _m (Bi ₂ Te ₃) _n by Density Functional Theory Calculations. Applied Sciences (Switzerland), 2021, 11, 11341.	1.3	1
17	Anomalous ferromagnetism in manganites by finite block spin phenomenology. Solid State Communications, 2010, 150, 2178-2181.	0.9	0
18	Path-integral Monte Carlo study of asymmetric quantum quadrupolar rotors with fourth-order propagators. Journal of the Korean Physical Society, 2012, 61, 513-517.	0.3	0

#	ARTICLE	IF	CITATIONS
19	4He adsorption on a single C40 molecule: Path integral Monte Carlo study. Journal of the Korean Physical Society, 2018, 72, 95-100.	0.3	0