Joongoo Kang

List of Publications by Year
in descending order

37 papers	2,103 citations	430754 18 h-index	360920 35 g-index
37 all docs	37 docs citations	37 times ranked	4334 citing authors

#	Article	IF	Citations
1	Halide perovskite materials for solar cells: a theoretical review. Journal of Materials Chemistry A, 2015, 3, 8926-8942.	5.2	1,114
2	Structural diversity and electronic properties of Cu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Sn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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19	In situ measurement of CuPt alloy ordering using strain anisotropy. Journal of Applied Physics, 2014, 115, 053502.	1.1	16
20	Half-Solidity of Tetrahedral-like Al₅₅ Clusters. ACS Nano, 2010, 4, 1092-1098.	7.3	14
21	First-Principles Study of Electronic Structure and Hydrogen Adsorption of 3d Transition Metal Exposed Paddle Wheel Frameworks. Journal of Physical Chemistry C, 2012, 116, 7386-7392.	1.5	14
22	Period-doubling reconstructions of semiconductor partial dislocations. NPG Asia Materials, 2015, 7, e216-e216.	3.8	12
23	A high-spin nickel(ii) borohydride complex in dehalogenation. Inorganic Chemistry Frontiers, 2016, 3, 157-163.	3.0	12
24	High infrared transparency up to 8-Î¼m-wavelength in correlated vanadium Wadsley conductors. APL Materials, 2020, 8, .	2.2	10
25	Tip-Induced Molecule Anchoring in Niâ€“Phthalocyanine on Au(111) Substrate. Journal of Physical Chemistry C, 2015, 119, 27721-27726.	1.5	8
26	Origin of anomalous strain effects on the molecular adsorption on boron-doped graphene. Journal of Chemical Physics, 2013, 139, 044709.	1.2	6
27	Robust ferromagnetism in hydrogenated graphene mediated by spin-polarized pseudospin. Scientific Reports, 2018, 8, 13940.	1.6	5
28	Tunable Anderson Localization in Hydrogenated Graphene Based on the Electric Field Effect. Physical Review Letters, 2013, 111, 216801.	2.9	4
29	A unified understanding of the direct coordination of NO to first-transition-row metal centers in metalâ€“ligand complexes. Physical Chemistry Chemical Physics, 2017, 19, 28098-28104.	1.3	4
30	Probing Franckâ€“Condon-like Excitations in Anchoring of Phthalocyanine Molecules on Au(111). Journal of Physical Chemistry C, 2017, 121, 17402-17408.	1.5	4
31	Electricâ€Fieldâ€Tunable Bandgaps in the Inverseâ€Designed Nanoporous Graphene/Graphene Heterobilayers. Advanced Electronic Materials, 2022, 8, .	2.6	3
32	Nonequilibrium Charge-Density-Wave Melting in 1T-TaS₂ Triggered by Electronic Excitation: A Real-Time Time-Dependent Density Functional Theory Study. Journal of Physical Chemistry Letters, 2022, 13, 5711-5718.	2.1	3
33	Nonisovalent Si-III-V and Si-II-VI alloys: Covalent, ionic, and mixed phases. Physical Review B, 2017, 96, .	1.1	2
34	General gauge symmetry in the theory and simulation of heat transport in nonsolid materials. Physical Review B, 2021, 103, .	1.1	2
35	Subband-enhanced carrier multiplication in graphene nanoribbons. Physical Review B, 2021, 104, .	1.1	1
36	One-Pot Shear Synthesis of Gallium, Indium, and Indiumâ€“Bismuth Nanofluids: An Experimental and Computational Study. Journal of Nanotechnology in Engineering and Medicine, 2013, 4, .	0.8	0

#	Article	IF	Citations
37	Charge-induced magnetic instability of atomically thin ferromagnetic semiconductors: The case of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Cr</mml:mi><mml:msub><mml:mi mathvariant="normal">I</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2021, 104, .	1.1	0