

Guo-Xiang Chen

List of Publications by Year in descending order

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16
papers

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933447

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times ranked

210
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of toxic gas molecules on pristine and transition metal doped hexagonal GaN monolayer: A first-principles study. <i>Vacuum</i> , 2019, 165, 35-45.	3.5	74
2	Structural, electronic, and magnetic properties of 3d transition metal doped GaN nanosheet: A first-principles study. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 1000-1005.	2.0	37
3	Adsorption of 3d transition metal atoms on graphene-like gallium nitride monolayer: A first-principles study. <i>Superlattices and Microstructures</i> , 2018, 115, 108-115.	3.1	32
4	First-principles study of CO and NO adsorption on pristine and transition metal doped blue phosphorene. <i>Vacuum</i> , 2020, 179, 109503.	3.5	28
5	Self-diffusion of Ni in B2 type intermetallic compound NiAl. <i>Journal of Alloys and Compounds</i> , 2007, 430, 102-106.	5.5	25
6	Structural, electronic and magnetic properties of the 3d transition metal-doped GaN nanotubes. <i>Solid State Communications</i> , 2011, 151, 139-143.	1.9	16
7	Self-diffusion of Ni in the intermetallic compound Ni3Al. <i>Physica B: Condensed Matter</i> , 2008, 403, 3538-3542.	2.7	15
8	Sensing properties of NO ₂ gas sensor based on nonmetal doped $\hat{\Gamma}$ -AsP monolayer: A first-principles study. <i>Materials Science in Semiconductor Processing</i> , 2022, 139, 106319.	4.0	15
9	First-principles study of transition-metal atoms adsorption on GaN nanotube. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 43, 22-27.	2.7	14
10	Structural, electronic, and magnetic properties of the period vacancy in zigzag Ga _N nanoribbons. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 1510-1518.	1.5	13
11	Adsorption of toxic H ₂ S, CO and NO molecules on pristine and transition metal doped $\hat{\Gamma}$ -AsP monolayer by first-principles calculations. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2022, 138, 115109.	2.7	8
12	First-principles study of pristine and metal decorated blue phosphorene for sensing toxic H ₂ S, SO ₂ and NO ₂ molecules. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	5
13	First-Principles Study of Ferromagnetic Nanowires Encapsulated Inside Silicon Carbide Nanotubes. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 2605-2611.	1.8	4
14	Sensing properties of nonmetal doped blue phosphorene toward NO ₂ and NO ₂ molecules: A first-principles study. <i>International Journal of Quantum Chemistry</i> , 2022, 122, .	2.0	4
15	First-Principles Study on Structural, Electronic, and Magnetic Properties of 3d Transition-Metal Nanowires Encapsulated Inside GaN Nanotubes. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014, 27, 2539-2545.	1.8	2
16	A first-principles study of hydrogen adsorption on Ni-decorated defective GaN monolayer. <i>Solid State Communications</i> , 2020, 316-317, 113951.	1.9	0