

Gurleen Kaur Walia

List of Publications by Year in descending order

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9
papers

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1162889
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#	ARTICLE	IF	CITATIONS
1	First-principles investigation on defect-induced silicene nanoribbons " A superior media for sensing NH ₃ , NO ₂ and NO gas molecules. <i>Surface Science</i> , 2018, 670, 33-43.	0.8	41
2	Adsorption and dissociation of sulfur-based toxic gas molecules on silicene nanoribbons: a quest for high-performance gas sensors and catalysts. <i>Journal of Molecular Modeling</i> , 2018, 24, 94.	0.8	26
3	Electronic and transport properties of silicene-based ammonia nanosensors: an ab initio study. <i>Structural Chemistry</i> , 2018, 29, 257-265.	1.0	21
4	Gas-sensing properties of armchair silicene nanoribbons towards carbon-based gases with single-molecule resolution. <i>Structural Chemistry</i> , 2018, 29, 1893-1902.	1.0	21
5	Density-functional study of hydrogen cyanide adsorption on silicene nanoribbons. <i>Journal of Molecular Modeling</i> , 2018, 24, 242.	0.8	14
6	Rise of silicene and its applications in gas sensing. <i>Journal of Molecular Modeling</i> , 2021, 27, 277.	0.8	11
7	First principles investigation on armchair zinc oxide nanoribbons as uric acid sensors. <i>Journal of Molecular Modeling</i> , 2020, 26, 4.	0.8	10
8	Defective GaAs nanoribbon-based biosensor for lung cancer biomarkers: a DFT study. <i>Journal of Molecular Modeling</i> , 2021, 27, 270.	0.8	9
9	Analysis of uric acid adsorption on armchair silicene nanoribbons: a DFT study. <i>Journal of Molecular Modeling</i> , 2020, 26, 63.	0.8	8