

Gurleen Kaur Walia

List of Publications by Year in descending order

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papers

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1162889
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66
citing authors

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