

Victor A Ranea

List of Publications by Year in descending order

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Version: 2024-02-01

11

papers

236

citations

1307594

7

h-index

1474206

9

g-index

11

all docs

11

docs citations

11

times ranked

323

citing authors

#	ARTICLE	IF	CITATIONS
1	DFT Investigation of Intermediate Steps in the Hydrolysis of $\text{I}\pm\text{-Al}_{2\text{-}}\text{O}_{3\text{-}}$ (0001). Journal of Physical Chemistry C, 2009, 113, 2149-2158.	3.1	81
2	DFT characterization of coverage dependent molecular water adsorption modes on $\text{I}\pm\text{-Al}_2\text{O}_3$ (0001). Surface Science, 2008, 602, 268-275.	1.9	73
3	General adsorption model for H ₂ S, H ₂ Se, H ₂ Te, NH ₃ , PH ₃ , AsH ₃ and SbH ₃ on the V ₂ O ₅ (0 0 1) surface including the van der Waals interaction. Chemical Physics Letters, 2019, 720, 58-63.	2.6	30
4	The structure of the bulk and the (001) surface of V ₂ O ₅ (0 0 1). A DFT+U study. Materials Research Express, 2016, 3, 085005.	1.6	15
5	Oxygen assisted H ₂ O dissociation on the Pt{110}(1 Å-2) surface from first principles. Surface Science, 2014, 627, 42-48.	1.9	13
6	Potential energy surface of H ₂ O on Al{111} and Rh{111} from theoretical methods. Journal of Chemical Physics, 2012, 137, 204702.	3.0	11
7	A DFT+U study of H ₂ O adsorption on the V ₂ O ₅ (0 0 1) surface including van der Waals interactions. Chemical Physics Letters, 2019, 730, 171-178. A DFT+U study on the adsorption of CO, H ₂ O, S, PH, CO ₂ , H ₂ , H ₃ O ⁺ , NH ₃ , NH ₄ ⁺ , NH ₂ , NH ₂ O ⁺ , NH ₂ O ₂ ⁺ , NH ₂ O ₃ ⁺ , NH ₂ O ₄ ⁺ , NH ₂ O ₅ ⁺ , NH ₂ O ₆ ⁺ , NH ₂ O ₇ ⁺ , NH ₂ O ₈ ⁺ , NH ₂ O ₉ ⁺ , NH ₂ O ₁₀ ⁺ , NH ₂ O ₁₁ ⁺ , NH ₂ O ₁₂ ⁺ , NH ₂ O ₁₃ ⁺ , NH ₂ O ₁₄ ⁺ , NH ₂ O ₁₅ ⁺ , NH ₂ O ₁₆ ⁺ , NH ₂ O ₁₇ ⁺ , NH ₂ O ₁₈ ⁺ , NH ₂ O ₁₉ ⁺ , NH ₂ O ₂₀ ⁺ , NH ₂ O ₂₁ ⁺ , NH ₂ O ₂₂ ⁺ , NH ₂ O ₂₃ ⁺ , NH ₂ O ₂₄ ⁺ , NH ₂ O ₂₅ ⁺ , NH ₂ O ₂₆ ⁺ , NH ₂ O ₂₇ ⁺ , NH ₂ O ₂₈ ⁺ , NH ₂ O ₂₉ ⁺ , NH ₂ O ₃₀ ⁺ , NH ₂ O ₃₁ ⁺ , NH ₂ O ₃₂ ⁺ , NH ₂ O ₃₃ ⁺ , NH ₂ O ₃₄ ⁺ , NH ₂ O ₃₅ ⁺ , NH ₂ O ₃₆ ⁺ , NH ₂ O ₃₇ ⁺ , NH ₂ O ₃₈ ⁺ , NH ₂ O ₃₉ ⁺ , NH ₂ O ₄₀ ⁺ , NH ₂ O ₄₁ ⁺ , NH ₂ O ₄₂ ⁺ , NH ₂ O ₄₃ ⁺ , NH ₂ O ₄₄ ⁺ , NH ₂ O ₄₅ ⁺ , NH ₂ O ₄₆ ⁺ , NH ₂ O ₄₇ ⁺ , NH ₂ O ₄₈ ⁺ , NH ₂ O ₄₉ ⁺ , NH ₂ O ₅₀ ⁺ , NH ₂ O ₅₁ ⁺ , NH ₂ O ₅₂ ⁺ , NH ₂ O ₅₃ ⁺ , NH ₂ O ₅₄ ⁺ , NH ₂ O ₅₅ ⁺ , NH ₂ O ₅₆ ⁺ , NH ₂ O ₅₇ ⁺ , NH ₂ O ₅₈ ⁺ , NH ₂ O ₅₉ ⁺ , NH ₂ O ₆₀ ⁺ , NH ₂ O ₆₁ ⁺ , NH ₂ O ₆₂ ⁺ , NH ₂ O ₆₃ ⁺ , NH ₂ O ₆₄ ⁺ , NH ₂ O ₆₅ ⁺ , NH 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