

Ricardo M Ferullo

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

256
citations

933447

10
h-index

996975

15
g-index

21
all docs

21
docs citations

21
times ranked

344
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen vacancies and peroxy groups on regular and low-coordinated sites of MgO, CaO, SrO, and BaO surfaces. <i>Surface Science</i> , 2006, 600, 1147-1154.	1.9	46
2	On the performance of van der Waals corrected-density functional theory in describing the atomic hydrogen physisorption on graphite. <i>Chemical Physics Letters</i> , 2010, 500, 283-286.	2.6	25
3	NCO adsorption over SiO ₂ and Cu/SiO ₂ cluster models from density functional theory. <i>Journal of Molecular Catalysis A</i> , 2004, 221, 155-162.	4.8	21
4	Adsorption of NO on Au atoms and dimers supported on MgO(100): DFT studies. <i>Surface Science</i> , 2008, 602, 1669-1676.	1.9	17
5	CO interaction with Au atoms adsorbed on terrace, edge and corner sites of the MgO(100) surface. Electronic structure and vibrational analysis from DFT. <i>Surface Science</i> , 2009, 603, 1262-1269.	1.9	15
6	Adsorption of 2-propanol on MgO surface: A combined experimental and theoretical study. <i>Applied Surface Science</i> , 2015, 327, 268-276.	6.1	14
7	Hydrogenated polycyclic aromatic hydrocarbons (H _n PAHs) as catalysts for hydrogenation reactions in the interstellar medium: a quantum chemical model. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 12012-12020.	2.8	12
8	Interaction of NO with Au nanoparticles supported on (100) terraces and topological defects of MgO. <i>Surface Science</i> , 2011, 605, 81-88.	1.9	11
9	Interaction of aluminum dimer with defective graphene. <i>Computational and Theoretical Chemistry</i> , 2015, 1059, 27-34.	2.5	11
10	Formation of Ag ₂ , Au ₂ and AgAu particles on MgO(100): DFT study on the role of support-induced charge transfer in metal-metal interactions. <i>Applied Surface Science</i> , 2009, 255, 7380-7384.	6.1	10
11	Chemisorption of isocyanate (NCO) on the Pd(100) surface at different coverages. <i>Surface Science</i> , 2010, 604, 442-450.	1.9	10
12	DFT study of isocyanate chemisorption on Cu(100). <i>Surface Science</i> , 2011, 605, 1202-1208.	1.9	10
13	NCO formation from CO and NH species over Rh ₂ . <i>Journal of Molecular Catalysis A</i> , 2004, 212, 359-364.	4.8	8
14	A quantum-chemical study of CO adsorption on small Cu particles supported on reduced SiO ₂ . <i>Journal of Molecular Catalysis A</i> , 2005, 234, 121-127.	4.8	8
15	DFT study on the interaction between atomic aluminum and graphene. <i>Journal of Theoretical and Computational Chemistry</i> , 2014, 13, 1450055.	1.8	7
16	Interaction of atomic hydrogen with anthracene and polyacene from density functional theory. <i>Chemical Physics Letters</i> , 2016, 648, 25-30.	2.6	7
17	Theoretical study of N ₂ O ₂ interaction with BaO(100) surface. <i>Computational and Theoretical Chemistry</i> , 2007, 818, 57-64.	1.5	6
18	Water dissociation at the Au/±-Fe ₂ O ₃ (0001) interface. <i>Molecular Catalysis</i> , 2018, 446, 10-22.	2.0	6

#	ARTICLE	IF	CITATIONS
19	Formation of nitric oxide dimers on MgO-supported gold particles. <i>Surface Science</i> , 2012, 606, 1948-1953.	1.9	5
20	DFT study of NH ₃ dissociation on Si(111)-7 \times 7. The role of intermolecular interactions. <i>Surface Science</i> , 2007, 601, 1870-1875.	1.9	4
21	Aluminum adsorption on graphene: Theoretical study of dispersion effects. <i>Journal of Theoretical and Computational Chemistry</i> , 2019, 18, 1950019.	1.8	3