Remedios Cortese

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5857063/publications.pdf

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22	329	840776 11	839539 18
papers	citations	h-index	g-index

23	23	23	559
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shape-Dependence of Pd Nanocrystal Carburization during Acetylene Hydrogenation. Journal of Physical Chemistry C, 2015, 119, 1101-1107.	3.1	38
2	Structure Sensitivity of 2-Methyl-3-butyn-2-ol Hydrogenation on Pd: Computational and Experimental Modeling. Journal of Physical Chemistry C, 2014, 118, 3119-3128.	3.1	30
3	A DFT study of IRMOF-3 catalysed Knoevenagel condensation. Physical Chemistry Chemical Physics, 2011, 13, 15995.	2.8	29
4	In situ ATR-IR studies in aqueous phase reforming of hydroxyacetone on Pt/ZrO2 and Pt/AlO(OH) catalysts: The role of aldol condensation. Applied Catalysis B: Environmental, 2018, 232, 454-463.	20.2	27
5	Boron Nitrideâ€supported Subâ€nanometer Pd 6 Clusters for Formic Acid Decomposition: A DFT Study. ChemCatChem, 2017, 9, 1610-1620.	3.7	23
6	Viewpoint: Atomic-Scale Design Protocols toward Energy, Electronic, Catalysis, and Sensing Applications. Inorganic Chemistry, 2019, 58, 14939-14980.	4.0	23
7	Density Functional Theory Investigation on the Nucleation of Homo- and Heteronuclear Metal Clusters on Defective Graphene. Journal of Physical Chemistry C, 2016, 120, 12022-12031.	3.1	22
8	Investigation of Polyol Adsorption on Ru, Pd, and Re Using vdW Density Functionals. Journal of Physical Chemistry C, 2015, 119, 17182-17192.	3.1	20
9	Growth of sub-nanometric palladium clusters on boron nitride nanotubes: a DFT study. Physical Chemistry Chemical Physics, 2016, 18, 1750-1757.	2.8	18
10	Propan-2-ol dehydration on H-ZSM-5 and H-Y zeolite: a DFT study. Reaction Kinetics, Mechanisms and Catalysis, 2013, 108, 565-582.	1.7	17
11	DFT calculations on subnanometric metal catalysts: a short review on new supported materials. Theoretical Chemistry Accounts, 2018, 137, 1.	1.4	16
12	Structural and Kinetic DFT Characterization of Materials to Rationalize Catalytic Performance. Topics in Catalysis, 2009, 52, 444-455.	2.8	11
13	<scp>l</scp>-Arabinose Conformers Adsorption on Ruthenium Surfaces: A DFT Study. Journal of Physical Chemistry C, 2012, 116, 14908-14916.	3.1	11
14	Nâ€Ðoped Carbon Networks: Alternative Materials Tracing New Routes for Activating Molecular Hydrogen. Chemistry - A European Journal, 2015, 21, 3806-3814.	3.3	11
15	Î±-d-Glucopyranose Adsorption on a Pd30 Cluster Supported on Boron Nitride Nanotube. Topics in Catalysis, 2016, 59, 1178-1184.	2.8	10
16	Graph-Based Analysis of Ethylene Glycol Decomposition on a Palladium Cluster. Journal of Physical Chemistry C, 2017, 121, 13606-13616.	3.1	7
17	A Combined Theoretical and Experimental Approach for Platinum Catalyzed 1,2-Propanediol Aqueous Phase Reforming. Journal of Physical Chemistry C, 2017, 121, 14636-14648.	3.1	5
18	Hydrogen Arrangements on Defective Quasi-Molecular BN Fragments. ACS Omega, 2019, 4, 14849-14859.	3.5	4

#	Article	IF	Citations
19	Alkane dehydrogenation on defective BN quasi-molecular nanoflakes: DFT studies. Molecular Catalysis, 2020, 493, 110891.	2.0	4
20	Molecular-Level Characterization of Heterogeneous Catalytic Systems by Algorithmic Time Dependent Monte Carlo. Topics in Catalysis, 2009, 52, 431-443.	2.8	3
21	Alkaliâ€Metal Azides Interacting with Metalâ€“Organic Frameworks. ChemPhysChem, 2013, 14, 220-226.	2.1	0
22	Modeled Catalytic Properties of MOF-Based Compounds. , 2015, , 517-551.		0