RÃ©mi PÃ©tuya

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3888880/publications.pdf

Version: 2024-02-01

21	487	759233 12	713466 21
papers	citations	h-index	g-index

23	23	23	700
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultrafast electronic response of graphene to a strong and localized electric field. Nature Communications, 2016, 7, 13948.	12.8	125
2	Electric-Field-Driven Direct Desulfurization. ACS Nano, 2017, 11, 4703-4709.	14.6	43
3	Energy Dissipation to Tungsten Surfaces upon Eleyâ€“Rideal Recombination of N₂ and H₂. Journal of Physical Chemistry C, 2015, 119, 15434-15442.	3.1	40
4	Bipolar Conductance Switching of Single Anthradithiophene Molecules. ACS Nano, 2015, 9, 12506-12512.	14.6	37
5	Hydrogen abstraction from metal surfaces: when electronâ€“hole pair excitations strongly affect hot-atom recombination. Physical Chemistry Chemical Physics, 2016, 18, 31378-31383.	2.8	30
6	Amino Acid Residues Determine the Response of Flexible Metalâ€“Organic Frameworks to Guests. Journal of the American Chemical Society, 2020, 142, 14903-14913.	13.7	29
7	Scattering of Atomic Hydrogen Off a H-Covered W(110) Surface: Hot-Atom versus Eleyâ€“Rideal Abstraction Dynamics. Journal of Physical Chemistry C, 2015, 119, 3171-3179.	3.1	28
8	Machineâ€Learning Prediction of Metalâ€“Organic Framework Guest Accessibility from Linker and Metal Chemistry. Angewandte Chemie - International Edition, 2022, 61, .	13.8	24
9	Comparative Theoretical Study of H₂ Eleyâ€“Rideal Recombination Dynamics on W(100) and W(110). Journal of Physical Chemistry C, 2014, 118, 11704-11710.	3.1	19
10	Dynamics of H2 Eley-Rideal abstraction from W(110): Sensitivity to the representation of the molecule-surface potential. Journal of Chemical Physics, 2014, 141, 024701.	3.0	15
11	Isotope Effects in Eleyâ€“Rideal and Hot-Atom Abstraction Dynamics of Hydrogen from Tungsten (100) and (110) Surfaces. Journal of Physical Chemistry C, 2015, 119, 15325-15332.	3.1	14
12	Magnetic coupling between 3d transition metal adatoms on graphene supported by metallic substrates. Carbon, 2017, 116, 599-605.	10.3	14
13	CO₂ Binding and Induced Structural Collapse of a Surface-Supported Metalâ€“Organic Network. Journal of Physical Chemistry C, 2016, 120, 18622-18630.	3.1	12
14	A new fluorescent hemicryptophane for acetylcholine recognition with an unusual recognition mode. New Journal of Chemistry, 2020, 44, 11853-11860.	2.8	11
15	Revisiting the Nonreactive Scattering of N₂ off W(100): On the Influence of the Scattering Azimuth on In-Plane Angular Distributions. Journal of Physical Chemistry C, 2014, 118, 21904-21910.	3.1	10
16	Size dependence of the dissociation process of spherical hydrate particles via microsecond molecular dynamics simulations. Physical Chemistry Chemical Physics, 2021, 23, 11180-11185.	2.8	10
17	Controlling Single Molecule Conductance by a Locally Induced Chemical Reaction on Individual Thiophene Units. Angewandte Chemie - International Edition, 2020, 59, 6207-6212.	13.8	9
18	Selective recognition of acetylcholine over choline by a fluorescent cage. Organic and Biomolecular Chemistry, 2019, 17, 5253-5257.	2.8	7

#	Article	IF	Citations
19	The Anisotropic Responses of a Flexible Metalâ€“Organic Framework Constructed from Asymmetric Flexible Linkers and Heptanuclear Zinc Carboxylate Secondary Building Units. Crystal Growth and Design, 2019, 19, 5604-5618.	3.0	6
20	Controlling Single Molecule Conductance by a Locally Induced Chemical Reaction on Individual Thiophene Units. Angewandte Chemie, 2020, 132, 6266-6271.	2.0	2
21	Machineâ€Learning Prediction of Metalâ€“Organic Framework Guest Accessibility from Linker and Metal Chemistry. Angewandte Chemie, 2022, 134, .	2.0	2