

Keith G Ray

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5383029/publications.pdf>

Version: 2024-02-01

23
papers

629
citations

623188

14
h-index

642321

23
g-index

23
all docs

23
docs citations

23
times ranked

1103
citing authors

#	ARTICLE	IF	CITATIONS
1	$\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle / \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \%$ electric-field noise in surface ion traps from correlated adsorbate dynamics. Physical Review A, 2022, 105, .	1.0	2
2	Understanding Hydrogenation Chemistry at MgB_2 Reactive Edges from Ab Initio Molecular Dynamics. ACS Applied Materials & Interfaces, 2022, 14, 20430-20442.	4.0	4
3	Changes in electric field noise due to thermal transformation of a surface ion trap. Physical Review B, 2022, 106, .	1.1	2
4	Spontaneous dynamical disordering of borophenes in MgB_2 and related metal borides. Nature Communications, 2021, 12, 6268.	5.8	14
5	A Mechanistic Analysis of Phase Evolution and Hydrogen Storage Behavior in Nanocrystalline $\text{Mg}(\text{BH}_4)_2$ within Reduced Graphene Oxide. ACS Nano, 2020, 14, 1745-1756.	7.3	29
6	A density-functional theory study of the Al/AlOx/Al tunnel junction. Journal of Applied Physics, 2020, 128, 155102.	1.1	14
7	Nanoscale MgB_2 via Surfactant Ball Milling of MgB_2 : Morphology, Composition, and Improved Hydrogen Storage Properties. Journal of Physical Chemistry C, 2020, 124, 21761-21771.	1.5	17
8	van der Waals-corrected density functional study of electric field noise heating in ion traps caused by electrode surface adsorbates. New Journal of Physics, 2019, 21, 053043.	1.2	8
9	Investigating possible kinetic limitations to MgB_2 hydrogenation. International Journal of Hydrogen Energy, 2019, 44, 31239-31256.	3.8	10
10	Assessing the reactivity of TiCl_3 and TiF_3 with hydrogen. International Journal of Hydrogen Energy, 2018, 43, 14507-14519.	3.8	10
11	Electronic structure and surface properties of MgB_2 (0001) upon oxygen adsorption. Physical Review B, 2018, 97, .	1.1	1
12	Phenyl/Perfluorophenyl Stacking Interactions Enhance Structural Order in Two-Dimensional Covalent Organic Frameworks. Crystal Growth and Design, 2018, 18, 4160-4166.	1.4	31
13	Nanointerface-Driven Reversible Hydrogen Storage in the Nanoconfined Li^+H^- System. Advanced Materials Interfaces, 2017, 4, 1600803.	1.9	30
14	Magnetic stability of oxygen defects on the SiO_2 surface. AIP Advances, 2017, 7, .	0.6	12
15	Elucidating the mechanism of MgB_2 initial hydrogenation via a combined experimental-theoretical study. Physical Chemistry Chemical Physics, 2017, 19, 22646-22658.	1.3	23
16	Gas Membrane Selectivity Enabled by Zeolitic Imidazolate Framework Electrostatics. Chemistry of Materials, 2014, 26, 3976-3985.	3.2	25
17	Origins of CH_4/CO_2 Adsorption Selectivity in Zeolitic Imidazolate Frameworks: A van der Waals Density Functional Study. Journal of Physical Chemistry C, 2013, 117, 14642-14651.	1.5	16
18	A Combined Experimental-Computational Investigation of Methane Adsorption and Selectivity in a Series of Isorecticular Zeolitic Imidazolate Frameworks. Journal of Physical Chemistry C, 2013, 117, 10326-10335.	1.5	83

#	ARTICLE	IF	CITATIONS
19	Structural and vibrational properties of MoO_3 from van der Waals corrected density functional theory calculations. Physical Review B, 2012, 85, .	1.1	47
20	van der Waals density functional study of CO ₂ binding in zeolitic imidazolate frameworks. Physical Review B, 2012, 85, .	1.1	22
21	A Combined Experimental-Computational Study on the Effect of Topology on Carbon Dioxide Adsorption in Zeolitic Imidazolate Frameworks. Journal of Physical Chemistry C, 2012, 116, 24084-24090.	1.5	112
22	Probing Nanoscale Solids at Thermal Extremes. Physical Review Letters, 2007, 99, 155901.	2.9	91
23	Extreme thermal stability of carbon nanotubes. Physica Status Solidi (B): Basic Research, 2007, 244, 3960-3963.	0.7	17