

Danielle Schweke

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

289
citations

933447

10
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

381
citing authors

#	ARTICLE	IF	CITATIONS
1	Defect Chemistry of Oxides for Energy Applications. <i>Advanced Materials</i> , 2018, 30, e1706300.	21.0	58
2	Coke-free methane dry reforming over nano-sized NiO-CeO ₂ solid solution after exsolution. <i>Catalysis Communications</i> , 2020, 138, 105951.	3.3	38
3	Comprehensive Study of the Ce-H ₂ System: Effect of the Reaction Conditions on the Reduction Extent and Intermediates. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6180-6187.	3.1	26
4	The Interaction of CO ₂ with CeO ₂ Powder Explored by Correlating Adsorption and Thermal Desorption Analyses. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9947-9957.	3.1	25
5	Heat pretreatment-induced activation of gadolinium surfaces towards the initial precipitation of hydrides. <i>Journal of Alloys and Compounds</i> , 2010, 498, 26-29.	5.5	17
6	Uranium oxidation kinetics monitored by in-situ X-ray diffraction. <i>Journal of Nuclear Materials</i> , 2017, 485, 202-206.	2.7	16
7	Molecular Dynamics Simulations of Site Geometries of Anthracene in an Argon Matrix. <i>Journal of Physical Chemistry A</i> , 2000, 104, 3786-3791.	2.5	15
8	The very initial stage of hydride formation on polycrystalline gadolinium. <i>Journal of Alloys and Compounds</i> , 2009, 477, 188-192.	5.5	15
9	The Fluorescence of N-Phenylpyrrole in an Argon/Acetonitrile Matrix. <i>Journal of Physical Chemistry A</i> , 2003, 107, 9554-9560.	2.5	13
10	Charge-Transfer-Type Fluorescence of 4-(1H-Pyrrol-1-yl)benzotrile (PBN) and N-Phenylpyrrole (PP) in Cryogenic Matrixes: Evidence for Direct Excitation of the CT Band. <i>Journal of Physical Chemistry A</i> , 2005, 109, 576-585.	2.5	13
11	The vibrational spectra of N-phenylpyrrole in the gas phase, in argon matrices and in single crystals. <i>Chemical Physics</i> , 2007, 333, 168-178.	1.9	9
12	Hydrogen absorption in C _x Gd _{1-x} alloys. <i>Journal of Alloys and Compounds</i> , 2012, 532, 102-108.	5.5	8
13	Effect of U Content on the Activation of H ₂ O on Ce _{1-x} U _x O _{2+δ} Surfaces. <i>Chemistry of Materials</i> , 2018, 30, 8650-8660.	6.7	8
14	Preferred hydride growth orientations on oxide-coated gadolinium surfaces. <i>Journal of Alloys and Compounds</i> , 2012, 520, 98-104.	5.5	7
15	Photophysics of Phenylpyrrole Derivatives and Their Acetonitrile Clusters in the Gas Phase and in Argon Matrixes: Simulations of Structure and Reactivity. <i>Journal of Physical Chemistry A</i> , 2005, 109, 3830-3842.	2.5	6
16	Elucidating the role of hydrogen species originating from water vapor in the oxidation mechanism of cerium. <i>Corrosion Science</i> , 2022, 196, 110030.	6.6	5
17	The crystal structure and vibrational spectra of two molecules emitting dual fluorescence: 4-(1H-Pyrrol-1-yl)benzotrile (PBN) and 5-cyano-2-(1pyrrolyl)-pyridine (CPP). <i>Chemical Physics</i> , 2007, 335, 87-93.	1.9	3
18	Dynamics of H in a Thin Gd Film: Evidence of Spinodal Decomposition. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11933-11938.	3.1	3

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19	The fluorescence of 5-cyano-2-(1-pyrrolyl)-pyridine (CPP) in different solvents and in solid argon: An experimental and theoretical study. <i>Chemical Physics</i> , 2007, 335, 79-86.	1.9	2
20	Cerium metal oxidation studied by IR reflection-absorption and Raman scattering spectroscopies. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 324002.	1.8	2