

Reinhard Denecke

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7691304/publications.pdf>

Version: 2024-02-01

43
papers

1,065
citations

394421

19
h-index

395702

33
g-index

43
all docs

43
docs citations

43
times ranked

1033
citing authors

#	ARTICLE	IF	CITATIONS
1	Elucidating the Role of B-Site Cations toward CO ₂ Reduction in Perovskite-Based Solid Oxide Electrolysis Cells. <i>Journal of the Electrochemical Society</i> , 2022, 169, 034532.	2.9	8
2	Preferential growth of perovskite BaTiO ₃ thin films on Gd ₃ Ga ₅ O ₁₂ (100) and Y ₃ Fe ₅ O ₁₂ (100) oriented substrates by pulsed laser deposition. <i>Materials Advances</i> , 2022, 3, 4920-4931.	5.4	2
3	Electron-Induced Decomposition of Different Silver(I) Complexes: Implications for the Design of Precursors for Focused Electron Beam Induced Deposition. <i>Nanomaterials</i> , 2022, 12, 1687.	4.1	3
4	Electrosynthesis of Ni/Al layered double hydroxide and reduced graphene oxide composites for the development of hybrid capacitors. <i>Electrochimica Acta</i> , 2021, 365, 137294.	5.2	19
5	Experimental evidence of wide bandgap in triclinic (001)-oriented Sn ₅ O ₂ (PO ₄) ₂ thin films on Y ₂ O ₃ buffered glass substrates. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14203-14207.	5.5	1
6	Detailing the Self-Discharge of a Cathode Based on a Prussian Blue Analogue. <i>Energies</i> , 2020, 13, 4027.	3.1	6
7	Nearest Neighbor Distances in SrTiO ₃ and BaTiO ₃ from the Projection Analysis of the Extended X-ray Absorption Fine Structure. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900621.	1.5	0
8	Ethylene: Its adsorption, reaction, and coking on Pt/h-BN/Rh(111) nanocluster arrays. <i>Journal of Chemical Physics</i> , 2020, 152, 224710.	3.0	5
9	Behavior of Metal Impurities on Surface and Bulk of Biogenic Silica from Rice Husk Combustion and the Impact on Ash-Melting Tendency. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10369-10379.	6.7	22
10	Magnetic Anisotropy in Thin Layers of (Mn,Zn)Fe ₂ O ₄ on SrTiO ₃ (001). <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900627.	1.5	2
11	Automatic spike correction using UNIFIT 2020. <i>Surface and Interface Analysis</i> , 2019, 51, 1342-1350.	1.8	1
12	Identifying the Thermal Decomposition Mechanism of Guaiacol on Pt(111): An Integrated X-ray Photoelectron Spectroscopy and Density Functional Theory Study. <i>Journal of Physical Chemistry C</i> , 2018, 122, 4261-4273.	3.1	5
13	Energy shifts in photoemission lines during the tetragonal- to cubic-phase transition in BaTiO ₃ single crystals and systems with CoFe ₂ O ₄ and NiFe ₂ O ₄ overlayers. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 205401.	1.8	2
14	Structure and cation distribution of (Mn _{0.5} Zn _{0.5})Fe ₂ O ₄ thin films on SrTiO ₃ (001). <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	1
15	Pyridine on flat Pt(111) and stepped Pt(355) – An <i>in situ</i> HRXPS investigation of adsorption and thermal evolution. <i>Journal of Chemical Physics</i> , 2016, 144, 014702.	3.0	10
16	XMCD studies of thin Co films on BaTiO ₃ . <i>Journal of Physics Condensed Matter</i> , 2015, 27, 326001.	1.8	3
17	Improved peak-fit procedure for XPS measurements of inhomogeneous samples – Development of the advanced Tougaard background method. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015, 205, 29-51.	1.7	13
18	Magnetoelastic coupling in epitaxial cobalt ferrite/barium titanate heterostructures. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 339, 84-88.	2.3	9

#	ARTICLE	IF	CITATIONS
19	Integrated X-ray photoelectron spectroscopy and DFT characterization of benzene adsorption on Pt(111), Pt(355) and Pt(322) surfaces. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 20662.	2.8	25
20	Characterization of Biogenic Silica Generated by Thermo Chemical Treatment of Rice Husk. <i>Particulate Science and Technology</i> , 2013, 31, 524-532.	2.1	40
21	Epitaxial growth and magnetic properties of ultrathin iron oxide films on BaTiO ₃ (001). <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	16
22	Improved Tougaard background calculation by introduction of fittable parameters for the inelastic electron scattering cross-section in the peak fit of photoelectron spectra with UNIFIT 2011. <i>Surface and Interface Analysis</i> , 2011, 43, 1514-1526.	1.8	25
23	Surface potential of BaTiO ₃ single crystal near the Curie temperature. <i>Physical Review B</i> , 2011, 83, .	3.2	9
24	SO ₂ adsorption and thermal evolution on clean and oxygen precovered Pt(111). <i>Chemical Physics Letters</i> , 2010, 494, 188-192.	2.6	26
25	Ethene adsorption and dehydrogenation on clean and oxygen precovered Ni(111) studied by high resolution x-ray photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 2010, 133, 014706.	3.0	25
26	Interaction between silver nanowires and CO on a stepped platinum surface. <i>Journal of Chemical Physics</i> , 2009, 131, 064702.	3.0	10
27	Site blocking and CO/sulfur site exchange processes on stepped Pt surfaces. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 134018.	1.8	14
28	Sulfur Oxidation on Pt(355): It Is the Steps!. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9743-9746.	13.8	29
29	Solid state surfaces and interfaces. <i>Open Physics</i> , 2009, 7, .	1.7	0
30	Influence of Steps on the Adsorption of Methane on Platinum Surfaces. <i>Journal of Physical Chemistry C</i> , 2007, 111, 2177-2184.	3.1	32
31	Kinetic isotope effects and reaction intermediates in the decomposition of methyl on flat and stepped platinum (1 1 1) surfaces. <i>Chemical Physics Letters</i> , 2007, 442, 176-181.	2.6	16
32	The dissimilar twins – a comparative, site-selective in situ study of CO adsorption and desorption on Pt(322) and Pt(355). <i>Surface Science</i> , 2007, 601, 1108-1117.	1.9	48
33	A site-selective in situ study of CO adsorption and desorption on Pt(355). <i>Journal of Chemical Physics</i> , 2006, 124, 074712.	3.0	51
34	A detailed analysis of vibrational excitations in x-ray photoelectron spectra of adsorbed small hydrocarbons. <i>Journal of Chemical Physics</i> , 2006, 125, 204706.	3.0	45
35	Site selectivity of benzene adsorption on Ni(111) studied by high-resolution x-ray photoelectron spectroscopy. <i>Physical Review B</i> , 2006, 73, .	3.2	25
36	Activated adsorption of methane on Pt(111) – an in situ XPS study. <i>New Journal of Physics</i> , 2005, 7, 107-107.	2.9	67

#	ARTICLE	IF	CITATIONS
37	Vibrationally resolved in situ XPS study of activated adsorption of methane on Pt(111). Chemical Physics Letters, 2004, 390, 208-213.	2.6	51
38	Adsorption and desorption of CO on Pt(111): a comprehensive analysis. Surface Science, 2003, 545, 47-69.	1.9	99
39	The adsorption of NO on an oxygen pre-covered Pt(111) surface: in situ high-resolution XPS combined with molecular beam studies. Surface Science, 2003, 547, 410-420.	1.9	19
40	In situ high-resolution XPS studies on adsorption of NO on Pt(111). Surface Science, 2003, 529, 384-396.	1.9	76
41	IN-SITU CORE-LEVEL PHOTOELECTRON SPECTROSCOPY OF ADSORBATES ON SURFACES INVOLVING A MOLECULAR BEAM " GENERAL SETUP AND FIRST EXPERIMENTS. Surface Review and Letters, 2002, 09, 797-801.	1.1	92
42	Kinetic parameters of CO adsorbed on Pt(111) studied by in situ high resolution x-ray photoelectron spectroscopy. Journal of Chemical Physics, 2002, 117, 10852-10859.	3.0	113
43	Testing and validating the improved estimation of the spectrometer's transmission function with UNIFIT 2022. Surface and Interface Analysis, 0, , .	1.8	0