

Karsten Kuepper

List of Publications by Year in descending order

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48
papers

1,156
citations

471509

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docs citations

48
times ranked

1938
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-resolved x-ray diffraction and photoelectron spectroscopy investigation of the reactive molecular beam epitaxy of Fe_3O_4 ultrathin films. <i>Physical Review B</i> , 2022, 105, .	3.2	8
2	Real-Time Monitoring the Growth of Epitaxial CoFe_3O_4 Ultrathin Films on Nb-Doped $\text{SrTiO}_3(001)$ via Reactive Molecular Beam Epitaxy by Means of Operando HAXPES. <i>Materials</i> , 2022, 15, 2377.	2.9	0
3	Cationic Ordering and Its Influence on the Magnetic Properties of Co-Rich Cobalt Ferrite Thin Films Prepared by Reactive Solid Phase Epitaxy on Nb-Doped $\text{SrTiO}_3(001)$. <i>Materials</i> , 2022, 15, 46.	2.9	1
4	Structural and magnetic investigation of the interfaces of Fe_3O_4 with and without NiO interlayer. <i>Physical Review B</i> , 2022, 105, .	3.2	0
5	Magnetic Properties, Electron Paramagnetic Resonance, and Photoelectron Spectroscopy Studies of Nanocrystalline TiO_2 Co-doped with Al and Fe. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2000399.	1.5	4
6	Evaluation of Manganese Cubanoid Clusters for Water Oxidation Catalysis: From Well-Defined Molecular Coordination Complexes to Catalytically Active Amorphous Films. <i>ChemSusChem</i> , 2021, 14, 4741-4751.	6.8	2
7	Interface Magnetization Phenomena in Epitaxial Thin $\text{Fe}_3\text{O}_4/\text{CoFe}_3\text{O}_4$ Bilayers. <i>Journal of Physical Chemistry C</i> , 2021, 125, 23327-23337.	3.1	1
8	Magnetic and Electronic Properties of Highly Mn-Doped NaGdF_4 and NaEuF_4 Nanoparticles with a Narrow Size Distribution. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18194-18202.	3.1	9
9	Effects of Post-deposition Annealing on Epitaxial $\text{CoO}/\text{Fe}_3\text{O}_4$ Bilayers on $\text{SrTiO}_3(001)$ and Formation of Thin High-Quality Cobalt Ferrite-like Films. <i>Journal of Physical Chemistry C</i> , 2020, 124, 23895-23904.	3.1	7
10	Real-time monitoring the growth of strained off-stoichiometric $\text{Ni}_x\text{Fe}_{3-x}\text{O}_4$ ultrathin films on $\text{MgO}(001)$. <i>Applied Physics Letters</i> , 2020, 117, 011601.	3.3	4
11	Water splitting mediated by an electrocatalytically driven cyclic process involving iron oxide species. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9896-9910.	10.3	19
12	Cation- and lattice-site-selective magnetic depth profiles of ultrathin Fe_3O_4 films. <i>Physical Review B</i> , 2020, 102, .	3.2	8
13	NiFe_2O_4 films on Fe_3O_4 films	2.4	6
14	From Bad Electrochemical Practices to an Environmental and Waste Reducing Approach for the Generation of Active Hydrogen Evolving Electrodes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17383-17392.	13.8	24
15	From Bad Electrochemical Practices to an Environmental and Waste Reducing Approach for the Generation of Active Hydrogen Evolving Electrodes. <i>Angewandte Chemie</i> , 2019, 131, 17544-17553.	2.0	3
16	Formation of ultrathin cobalt ferrite films by interdiffusion of Fe_3O_4 and CoO bilayers. <i>Physical Review B</i> , 2019, 100, .	3.2	15
17	Steel-based electrocatalysts for efficient and durable oxygen evolution in acidic media. <i>Catalysis Science and Technology</i> , 2018, 8, 2104-2116.	4.1	35
18	Impact of Strain and Morphology on Magnetic Properties of $\text{Fe}_3\text{O}_4/\text{NiO}$ Bilayers Grown on $\text{Nb:SrTiO}_3(001)$ and $\text{MgO}(001)$. <i>Materials</i> , 2018, 11, 1122.	2.9	3

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19	Electrical resistivity, magnetism and electronic structure of the intermetallic 3d/4f Laves phase compounds ErNi ₂ Mnx. AIP Advances, 2018, 8, 105225.	1.3	3
20	Intercalation of Li ⁺ into a Co-Containing Steel-Ceramic Composite: Substantial Oxygen Evolution at Almost Zero Overpotential. ACS Catalysis, 2018, 8, 10914-10925.	11.2	17
21	Free-Sustaining Three-Dimensional S235 Steel-Based Porous Electrocatalyst for Highly Efficient and Durable Oxygen Evolution. ChemSusChem, 2018, 11, 3661-3671.	6.8	24
22	Element specific determination of the magnetic properties of two macrocyclic tetranuclear 3d ⁴ f complexes with a Cu ₃ Tb core by means of X-ray magnetic circular dichroism (XMCD). Physical Chemistry Chemical Physics, 2018, 20, 21286-21293.	2.8	3
23	Electrochemically Deposited Nickel Oxide from Molecular Complexes for Efficient Water Oxidation Catalysis. ChemSusChem, 2018, 11, 2752-2757.	6.8	14
24	Electro-oxidation of a cobalt based steel in LiOH: a non-noble metal based electro-catalyst suitable for durable water-splitting in an acidic milieu. Nanoscale, 2017, 9, 17829-17838.	5.6	23
25	Real-time monitoring of the structure of ultrathin Fe ₃ O ₄ films during growth on Nb-doped SrTiO ₃ (001). Applied Physics Letters, 2017, 111, .	3.3	12
26	Mixed-Valent Mn ¹⁶ -Containing Heteropolyanions: Tuning of Oxidation State and Associated Physicochemical Properties. Inorganic Chemistry, 2016, 55, 2755-2764.	4.0	25
27	bilayers to O/NiO	3.2	18
28	Electro-Oxidation of Ni ₄₂ Steel: A Highly Active Bifunctional Electrocatalyst. Advanced Functional Materials, 2016, 26, 6402-6417.	14.9	90
29	grown on MgO(001) and Nb-doped	3.2	15
30	X ₂₀ CoCrW _{Mo} 10-9//Co ₃ O ₄ : a metal-ceramic composite with unique efficiency values for water-splitting in the neutral regime. Energy and Environmental Science, 2016, 9, 2609-2622.	30.8	84
31	Characterization of multifunctional $\text{NaEuF}_4/\text{NaGdF}_4$ core-shell nanoparticles with narrow size distribution. Nanoscale, 2016, 8, 2832-2843.	5.6	12
32	Tunnel junction based memristors as artificial synapses. Frontiers in Neuroscience, 2015, 9, 241.	2.8	28
33	Stainless steel made to rust: a robust water-splitting catalyst with benchmark characteristics. Energy and Environmental Science, 2015, 8, 2685-2697.	30.8	180
34	Sign change in the tunnel magnetoresistance of Fe ₃ O ₄ /MgO/Co-Fe-B magnetic tunnel junctions depending on the annealing temperature and the interface treatment. AIP Advances, 2015, 5, 047103.	1.3	20
35	Installation of Zwitterionic $\hat{\pm}$ -Amino Phosphonic Acid Moieties on Surfaces via a Kabachnik-Fields Post-Polymerization Modification. Macromolecular Chemistry and Physics, 2015, 216, 783-793.	2.2	15
36	Magnetic anisotropy related to strain and thickness of ultrathin iron oxide films on MgO(001). Materials Research Express, 2015, 2, 016101.	1.6	11

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37	Structure and morphology of epitaxially grown Fe ₃ O ₄ /NiO bilayers on MgO(001). Thin Solid Films, 2015, 589, 526-533.	1.8	9
38	Synthesis, Magnetic Properties, and X-ray Spectroscopy of Divalent Cobalt(II) and Nickel(II) Cubanes [M ^{II} ₄ (HL ²) ₄ (OAc) ₄]. European Journal of Inorganic Chemistry, 2015, 2015, 1872-1901.	2.0	10
39	Surface Oxidation of Stainless Steel: Oxygen Evolution Electrocatalysts with High Catalytic Activity. ACS Catalysis, 2015, 5, 2671-2680.	11.2	153
40	Physical characteristics and cation distribution of NiFe ₂ O ₄ thin films with high resistivity prepared by reactive co-sputtering. Journal of Applied Physics, 2014, 115, .	2.5	60
41	Electronic structure and soft-X-ray-induced photoreduction studies of iron-based magnetic polyoxometalates of type {(M)M ₅ } ₁₂ FeIII ₃₀ (M = MoVI, WVI). Dalton Transactions, 2013, 42, 7924.	3.3	14
42	Electronic Structure of Rare-Earth Scandates from X-Ray Spectroscopy and First-Principles Calculations. Ferroelectrics, 2012, 438, 45-54.	0.6	2
43	Magnetic Ground-State and Systematic X-ray Photoreduction Studies of an Iron-Based Star-Shaped Complex. Journal of Physical Chemistry Letters, 2011, 2, 1491-1496.	4.6	9
44	Fe valence state at the surface of the Fe _{0.5} Cu _{0.5} Cr ₂ S ₄ spinel. Physica Status Solidi - Rapid Research Letters, 2010, 4, 338-339.	2.4	1
45	A Star-Shaped Heteronuclear Cr ^{III} Mn ^{II} ₃ Species and Its Precise Electronic and Magnetic Structure: Spin Frustration Studied by X-Ray Spectroscopic, Magnetic, and Theoretical Methods. Inorganic Chemistry, 2010, 49, 2093-2102.	4.0	35
46	Star-Shaped Molecule of Mn ^{II} ₄ O ₆ Core with an <i>S</i> _t = 10 High-Spin State. A Theoretical and Experimental Study with XPS, XMCD, and Other Magnetic Methods. Inorganic Chemistry, 2008, 47, 4605-4617.	4.0	39
47	Electronic Structure of A- and B-Site Doped Lanthanum Manganites: A Combined X-ray Spectroscopic Study. Journal of Physical Chemistry B, 2005, 109, 9354-9361.	2.6	25
48	Electronic and magnetic properties of highly ordered Sr ₂ FeMoO ₆ . Physica Status Solidi A, 2004, 201, 3252-3256.	1.7	61