

Christian WÄckerlin

List of Publications by Year in descending order

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66
papers

2,243
citations

218677

26
h-index

223800

46
g-index

67
all docs

67
docs citations

67
times ranked

2778
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic remanence in single atoms. <i>Science</i> , 2016, 352, 318-321.	12.6	259
2	Controlling spins in adsorbed molecules by a chemical switch. <i>Nature Communications</i> , 2010, 1, 61.	12.8	229
3	Giant Hysteresis of Single-Molecule Magnets Adsorbed on a Nonmagnetic Insulator. <i>Advanced Materials</i> , 2016, 28, 5195-5199.	21.0	137
4	On-surface coordination chemistry of planar molecular spin systems: novel magnetochemical effects induced by axial ligands. <i>Chemical Science</i> , 2012, 3, 3154.	7.4	96
5	Superlattice of Single Atom Magnets on Graphene. <i>Nano Letters</i> , 2016, 16, 7610-7615.	9.1	87
6	Ammonia Coordination Introducing a Magnetic Moment in an On-Surface Low-Spin Porphyrin. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4568-4571.	13.8	76
7	Assembly of 2D ionic layers by reaction of alkali halides with the organic electrophile 7,7,8,8-tetracyano-p-quinodimethane (TCNQ). <i>Chemical Communications</i> , 2011, 47, 9146.	4.1	71
8	Long-range ferrimagnetic order in a two-dimensional supramolecular Kondo lattice. <i>Nature Communications</i> , 2017, 8, 15388.	12.8	70
9	Controlling the Dimensionality of On-Surface Coordination Polymers via Endo- or Exoligation. <i>Journal of the American Chemical Society</i> , 2014, 136, 9355-9363.	13.7	65
10	Chirality Transfer in 1D Self-Assemblies: Influence of H-Bonding vs Metal Coordination between Dicyano[7]helicene Enantiomers. <i>Journal of the American Chemical Society</i> , 2013, 135, 15270-15273.	13.7	57
11	Magnetism of Ho and Er Atoms on Close-Packed Metal Surfaces. <i>Physical Review Letters</i> , 2014, 113, 237201.	7.8	55
12	Emergence of On-Surface Magnetochemistry. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2303-2311.	4.6	52
13	Controlling the Spin of Co Atoms on Pt(111) by Hydrogen Adsorption. <i>Physical Review Letters</i> , 2015, 114, 106807.	7.8	52
14	Porphyrin metalation providing an example of a redox reaction facilitated by a surface reconstruction. <i>Chemical Communications</i> , 2013, 49, 2347.	4.1	49
15	Indirect Magnetic Coupling of Manganese Porphyrin to a Ferromagnetic Cobalt Substrate. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1295-1301.	3.1	44
16	Self-Assembly and Superexchange Coupling of Magnetic Molecules on Oxygen-Reconstructed Ferromagnetic Thin Film. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1408-1413.	4.6	41
17	Two-Dimensional Supramolecular Electron Spin Arrays. <i>Advanced Materials</i> , 2013, 25, 2404-2408.	21.0	37
18	Exchange Interaction of Strongly Anisotropic Tripodal Erbium Single-Ion Magnets with Metallic Surfaces. <i>ACS Nano</i> , 2014, 8, 4662-4671.	14.6	37

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37	Configuring Electronic States in an Atomically Precise Array of Quantum Boxes. <i>Small</i> , 2016, 12, 3757-3763.	10.0	16
38	Reduction of Mn ¹⁹ Coordination Clusters on a Gold Surface. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3550-3555.	3.1	15
39	Ranking the Stability of Transition-Metal Complexes by On-Surface Atom Exchange. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 6193-6198.	4.6	15
40	On-Surface Hydrogenation of Buckybowls: From Curved Aromatic Molecules to Planar Non-Kekulé Aromatic Hydrocarbons. <i>ACS Nano</i> , 2020, 14, 16735-16742.	14.6	15
41	Chiral molecules adsorbed on a solid surface: Tartaric acid diastereomers and their surface explosion on Cu(111). <i>Chirality</i> , 2018, 30, 369-377.	2.6	14
42	Magnetic properties of on-surface synthesized single-ion molecular magnets. <i>RSC Advances</i> , 2019, 9, 34421-34429.	3.6	14
43	Langmuir-Blodgett monolayer stabilization using supramolecular clips. <i>Chemical Communications</i> , 2013, 49, 367-369.	4.1	13
44	Strong antiferromagnetic exchange between manganese phthalocyanine and ferromagnetic europium oxide. <i>Chemical Communications</i> , 2015, 51, 12958-12961.	4.1	12
45	Magnetic exchange coupling of a synthetic Co(ii)-complex to a ferromagnetic Ni substrate. <i>Chemical Communications</i> , 2013, 49, 10736.	4.1	11
46	Stereospecific Autocatalytic Surface Explosion Chemistry of Polycyclic Aromatic Hydrocarbons. <i>Journal of the American Chemical Society</i> , 2018, 140, 7705-7709.	13.7	11
47	Molecular Chessboard Assemblies Sorted by Site-Specific Interactions of Out-of-Plane d-Orbitals with a Semimetal Template. <i>Nano Letters</i> , 2017, 17, 1956-1962.	9.1	10
48	Large effect of metal substrate on magnetic anisotropy of Co on hexagonal boron nitride. <i>New Journal of Physics</i> , 2019, 21, 073053.	2.9	10
49	Nearly amorphous Mo-N gratings for ultimate resolution in extreme ultraviolet interference lithography. <i>Nanotechnology</i> , 2014, 25, 235305.	2.6	9
50	Supramolecular architectures of molecularly thin yet robust free-standing layers. <i>Science Advances</i> , 2019, 5, eaav4489.	10.3	9
51	On-surface coordination chemistry: direct imaging of the conformational freedom of an axial ligand at room temperature. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 16510.	2.8	8
52	Unbalanced 2D Chiral Crystallization of Pentahelicene Propellers and Their Planarization into Nanographenes. <i>Chemistry - A European Journal</i> , 2021, 27, 10251-10254.	3.3	8
53	Single-Molecule Magnets: Giant Hysteresis of Single-Molecule Magnets Adsorbed on a Nonmagnetic Insulator (<i>Adv. Mater.</i> 26/2016). <i>Advanced Materials</i> , 2016, 28, 5142-5142.	21.0	7
54	On-Surface Metalation and 2D Self-Assembly of Porphyrin Molecules Into Metal-Coordinated Networks on Cu(111). <i>Helvetica Chimica Acta</i> , 2017, 100, e1600278.	1.6	6

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55	Adsorbate-Induced Modification of the Confining Barriers in a Quantum Box Array. ACS Nano, 2018, 12, 768-778.	14.6	6
56	Nanocomposites of carbon nanotubes embedded in a (Ti,Al)N coated film. Surface and Coatings Technology, 2012, 212, 223-228.	4.8	5
57	Island formation of Er(trensal) single-ion magnets on graphene observed on the micrometer scale. RSC Advances, 2021, 11, 9421-9425.	3.6	5
58	Spin Excitations in a $4f^4$ Heterodimer on MgO. Physical Review Letters, 2018, 121, 257202.	7.8	1
59	On-Surface Hydrogen/Deuterium Isotope Exchange in Polycyclic Aromatic Hydrocarbons. Angewandte Chemie - International Edition, 2021, 60, 8446-8449.	13.8	4
60	Autocatalytic Surface Explosion Chemistry of 2D Metal-Organic Frameworks. Journal of Physical Chemistry C, 2021, 125, 13343-13349.	3.1	3
61	Two-Dimensional Supramolecular Electron Spin Arrays (Adv. Mater. 17/2013). Advanced Materials, 2013, 25, 2403-2403.	21.0	2
62	Graphene Grown from Flat and Bowl Shaped Polycyclic Aromatic Hydrocarbons on Cu(111). ChemPhysChem, 2019, 20, 2354-2359.	2.1	2
63	On-Surface Hydrogen/Deuterium Isotope Exchange in Polycyclic Aromatic Hydrocarbons. Angewandte Chemie, 2021, 133, 8527-8530.	2.0	2
64	Investigating magneto-chemical interactions at molecule-substrate interfaces by X-ray photo-emission electron microscopy. Chemical Communications, 2014, 50, 5190.	4.1	1
65	1D Coordination-Induced Conjugated Polymers with Distinct Structures Defined by the Choice of the Transition Metal: Towards a New Class of Antiaromatic Macrocycles. Angewandte Chemie, 2021, 133, 443-449.	2.0	0
66	Site-Specific Coordination Chemistry and Beyond: Novel Properties in Low Dimensional Supramolecular Architectures of Porphins at Surfaces. ECS Meeting Abstracts, 2019, , .	0.0	0