

Cornelius Krull

List of Publications by Year in descending order

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16
papers

883
citations

687363

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940533

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17
docs citations

17
times ranked

1480
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupling Single Molecule Magnets to Ferromagnetic Substrates. Physical Review Letters, 2011, 107, 177205.	7.8	153
2	Spin coupling and relaxation inside molecule-metal contacts. Nature Communications, 2011, 2, 490.	12.8	151
3	Orbital Specific Chirality and Homochiral Self-Assembly of Achiral Molecules Induced by Charge Transfer and Spontaneous Symmetry Breaking. Physical Review Letters, 2010, 105, 115702.	7.8	116
4	Site- and orbital-dependent charge donation and spin manipulation in electron-doped metal phthalocyanines. Nature Materials, 2013, 12, 337-343.	27.5	106
5	Spin Tuning of Electron-Doped Metal-Phthalocyanine Layers. Journal of the American Chemical Society, 2014, 136, 5451-5459.	13.7	74
6	Exchange Biasing Single Molecule Magnets: Coupling of TbPc ₂ to Antiferromagnetic Layers. Nano Letters, 2012, 12, 5703-5707.	9.1	69
7	Coupling of single, double, and triple-decker metal-phthalocyanine complexes to ferromagnetic and antiferromagnetic substrates. Surface Science, 2014, 630, 361-374.	1.9	49
8	Self-Assembled Nanometer-Scale Magnetic Networks on Surfaces: Fundamental Interactions and Functional Properties. Advanced Functional Materials, 2011, 21, 1212-1228.	14.9	48
9	Iron-based trinuclear metal-organic nanostructures on a surface with local charge accumulation. Nature Communications, 2018, 9, 3211.	12.8	31
10	Exchange bias of TbPc ₂ magnets on antiferromagnetic FeMn and ferromagnetic Fe films. Physical Review B, 2015, 92, .	12.2	25
11	Correlated Electrons Step by Step: Itinerant-to-Localized Transition of Fe Impurities in Free-Electron Metal Hosts. Physical Review Letters, 2010, 104, 117601.	7.8	22
12	Electric Field Control of Molecular Charge State in a Single-Component 2D Organic Nanoarray. ACS Nano, 2019, 13, 11882-11890.	14.6	14
13	Designing Optoelectronic Properties by On-Surface Synthesis: Formation and Electronic Structure of an Iron-Terpyridine Macromolecular Complex. ACS Nano, 2018, 12, 6545-6553.	14.6	13
14	Formation of extended straight molecular chains by pairing of thymine molecules on the Ag-Si(111) surface. Applied Physics A: Materials Science and Processing, 2009, 95, 297-301.	2.3	8
15	Long-Range Surface-Assisted Molecule-Molecule Hybridization. Small, 2021, 17, e2005974.	10.0	3
16	Electronic Structure of Metal Phthalocyanines on Ag(100). Springer Theses, 2014, , .	0.1	2