

# Benjamin W Heinrich

## List of Publications by Year in descending order

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29  
papers

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citations

331670

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477307

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docs citations

29  
times ranked

2045  
citing authors

#	ARTICLE	IF	CITATIONS
1	End States and Subgap Structure in Proximity-Coupled Chains of Magnetic Adatoms. <i>Physical Review Letters</i> , 2015, 115, 197204.	7.8	294
2	Visualizing the Spin of Individual Cobalt-Phthalocyanine Molecules. <i>Physical Review Letters</i> , 2008, 101, 116602.	7.8	228
3	Single magnetic adsorbates on s-wave superconductors. <i>Progress in Surface Science</i> , 2018, 93, 1-19.	8.3	135
4	Protection of excited spin states by a superconducting energy gap. <i>Nature Physics</i> , 2013, 9, 765-768.	16.7	118
5	Exploring a Proximity-Coupled Co Chain on Pb(110) as a Possible Majorana Platform. <i>Nano Letters</i> , 2017, 17, 4473-4477.	9.1	118
6	Tunneling Processes into Localized Subgap States in Superconductors. <i>Physical Review Letters</i> , 2015, 115, 087001.	7.8	113
7	Tuning the Magnetic Anisotropy of Single Molecules. <i>Nano Letters</i> , 2015, 15, 4024-4028.	9.1	98
8	Magnetic anisotropy in Shiba bound states across a quantum phase transition. <i>Nature Communications</i> , 2015, 6, 8988.	12.8	94
9	Orbital Picture of Yu-Shiba-Rusinov Multiplets. <i>Physical Review Letters</i> , 2016, 117, 186801.	7.8	90
10	Tuning the Coupling of an Individual Magnetic Impurity to a Superconductor: Quantum Phase Transition and Transport. <i>Physical Review Letters</i> , 2018, 121, 196803.	7.8	84
11	Size-Dependent Surface States of Strained Cobalt Nanoislands on Cu(111). <i>Physical Review Letters</i> , 2007, 99, 246102.	7.8	82
12	Change of the Magnetic Coupling of a Metal-Organic Complex with the Substrate by a Stepwise Ligand Reaction. <i>Nano Letters</i> , 2013, 13, 4840-4843.	9.1	78
13	Experimental Demonstration of a Two-Band Superconducting State for Lead Using Scanning Tunneling Spectroscopy. <i>Physical Review Letters</i> , 2015, 114, 157001.	7.8	73
14	Direct Observation of the Tunneling Channels of a Chemisorbed Molecule. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1517-1523.	4.6	67
15	Dispersion and Localization of Electronic States at a Ferrocene/Cu(111) Interface. <i>Physical Review Letters</i> , 2011, 107, 216801.	7.8	55
16	Wave-Function Hybridization in Yu-Shiba-Rusinov Dimers. <i>Physical Review Letters</i> , 2018, 120, 156803.	7.8	53
17	Scaling of Yu-Shiba-Rusinov energies in the weak-coupling Kondo regime. <i>Nature Communications</i> , 2017, 8, 2016.	12.8	45
18	Yu-Shiba-Rusinov States in the Charge-Density Modulated Superconductor NbSe <sub>2</sub> . <i>Nano Letters</i> , 2020, 20, 339-344.	9.1	36

#	ARTICLE	IF	CITATIONS
19	Magnetic Coupling of $Gd_3$ Endohedral Fullerenes to a Substrate. <i>Physical Review Letters</i> , 2013, 111, 167203.	7.8	28
20	Engineering Negative Differential Conductance with the Cu(111) Surface State. <i>Physical Review Letters</i> , 2011, 107, 246801.	7.8	27
21	Interfering Tunneling Paths through Magnetic Molecules on Superconductors: Asymmetries of Kondo and Yu-Shiba-Rusinov Resonances. <i>Physical Review Letters</i> , 2020, 125, 256805.	7.8	24
22	Spin structure of an atomic protrusion: Probing single atoms on cobalt nanoislands. <i>Physical Review B</i> , 2009, 79, .	3.2	19
23	Imaging isodensity contours of molecular states with STM. <i>New Journal of Physics</i> , 2017, 19, 113033.	2.9	18
24	Control of Oxidation and Spin State in a Single-Molecule Junction. <i>ACS Nano</i> , 2018, 12, 3172-3177.	14.6	18
25	A spin-selective approach for surface states at Co nanoislands. <i>European Physical Journal B</i> , 2010, 75, 49-56.	1.5	15
26	Visualizing Intramolecular Distortions as the Origin of Transverse Magnetic Anisotropy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6563-6567.	4.6	12
27	Surface-orientation- and ligand-dependent quenching of the spin magnetic moment of Co porphyrins adsorbed on Cu substrates. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 12688-12696.	2.8	11
28	Investigation of FeO films on SrTiO <sub>3</sub> (100). <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 1836-1843.	0.8	3
29	Correlation of Vibrational Excitations and Electronic Structure with Submolecular Resolution. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7425-7430.	3.1	3