Jens Brede

List of Publications by Year
in descending order

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32	3,082	394421 19	454955 30
papers	citations	h-index	g-index

32	32	32	4453
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spontaneous atomic-scale magnetic skyrmion lattice in two dimensions. Nature Physics, 2011, 7, 713-718.	16.7	1,521
2	Design of the Local Spin Polarization at the Organic-Ferromagnetic Interface. Physical Review Letters, 2010, 105, 066601.	7.8	284
3	Spin- and Energy-Dependent Tunneling through a Single Molecule with Intramolecular Spatial Resolution. Physical Review Letters, 2010, 105, 047204.	7.8	257
4	Atomic-scale magnetism of cobalt-intercalated graphene. Physical Review B, 2013, 87, .	3.2	138
5	Real-space observation of spin-split molecular orbitals of adsorbed single-molecule magnets. Nature Communications, 2012, 3, 953.	12.8	130
6	Symmetry reduction of metal phthalocyanines on metals. Physical Review B, 2008, 78, .	3.2	86
7	Plasmonics in Atomically Thin Crystalline Silver Films. ACS Nano, 2019, 13, 7771-7779.	14.6	86
8	Scanning tunneling microscope study of iron(II) phthalocyanine growth on metals and insulating surfaces. Surface Science, 2008, 602, 677-683.	1.9	81
9	Dynamics of molecular self-ordering in tetraphenyl porphyrin monolayers on metallic substrates. Nanotechnology, 2009, 20, 275602.	2.6	75
10	Tailoring Molecular Self-Assembly of Magnetic Phthalocyanine Molecules on Fe- and Co-Intercalated Graphene. ACS Nano, 2013, 7, 11341-11349.	14.6	52
11	Î Band Dispersion along Conjugated Organic Nanowires Synthesized on a Metal Oxide Semiconductor. Journal of the American Chemical Society, 2016, 138, 5685-5692.	13.7	47
12	Long-range magnetic coupling between nanoscale organicâ€“metal hybrids mediated by a nanoskyrmion lattice. Nature Nanotechnology, 2014, 9, 1018-1023.	31.5	44
13	Functionalization of Defect Sites in Graphene with RuO₂ for High Capacitive Performance. ACS Applied Materials & Interfaces, 2015, 7, 20513-20519.	8.0	36
14	Reversible and Irreversible Reactions of Trimethylaluminum with Common Organic Functional Groups as a Model for Molecular Layer Deposition and Vapor Phase Infiltration. Advanced Materials Interfaces, 2017, 4, 1700237.	3.7	34
15	Exploring the Relation Between Intramolecular Conjugation and Band Dispersion in One-Dimensional Polymers. Journal of Physical Chemistry C, 2017, 121, 27118-27125.	3.1	29
16	Adsorption and conformation of porphyrins on metallic surfaces. Journal of Vacuum Science & Technology B, 2009, 27, 799-804.	1.3	23
17	Spin-resolved characterization of single cobalt phthalocyanine molecules on a ferromagnetic support. Physical Review B, 2012, 86, .	3.2	23
18	On-Surface Oligomerization of Self-Terminating Molecular Chains for the Design of Spintronic Devices. ACS Nano, 2017, 11, 9200-9206.	14.6	20

#	Article	IF	Citations
19	Polymerization of Well-Aligned Organic Nanowires on a Ferromagnetic Rare-Earth Surface Alloy. ACS Nano, 2017, 11, 12392-12401.	14.6	20
20	Magnetic properties of monolayer Co islands on Ir(111) probed by spin-resolved scanning tunneling microscopy. Physical Review B, 2011, 84, .	3.2	19
21	Tuning the Graphene on Ir(111) adsorption regime by Fe/Ir surface-alloying. 2D Materials, 2017, 4, 015016.	4.4	18
22	Controlled sequential dehydrogenation of single molecules by scanning tunneling microscopy. Physical Review B, 2010, 82, .	3.2	15
23	Multi-layer and multi-component intercalation at the graphene/Ir(111) interface. Surface Science, 2015, 639, 70-74.	1.9	12
24	Spin-resolved imaging and spectroscopy of individual molecules with sub-molecular spatial resolution. MRS Bulletin, 2014, 39, 608-613.	3.5	6
25	Atomically resolved magnetic structure of a Gd-Au surface alloy. Physical Review B, 2019, 99, .	3.2	5
26	Increase of Polymerization Yield on Titania by Surface Reduction. Journal of Physical Chemistry C, 2020, 124, 16918-16925.	3.1	5
27	Synthesis of Graphene Nanoribbons on a Kinked Au Surface: Revealing the Frontier Valence Band at the Brillouin Zone Center. Journal of Physical Chemistry C, 2020, 124, 15474-15480.	3.1	5
28	Vertical position of Sr dopants in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Sr</mml:mi></mml:mrow><mml:mi>x</mml superconductor. Physical Review B, 2021, 104, .	3.2	5
29	Why a Good Catalyst Can Turn Out Detrimental to Good Polymerization. Journal of Physical Chemistry C, 2021, 125, 5066-5075.	3.1	3
30	Observability of superconductivity in Sr-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:m at the surface using scanning tunneling microscope. Physical Review Materials, 2022, 6, .	2.4	3
31	Atomic-Scale Spintronics. , 2013, , 1-24.		0
32	Atomic-Scale Spintronics. , 2016, , 757-784.		0