

Jens Brede

List of Publications by Year in descending order

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32
papers

3,082
citations

394421

19
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454955

30
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all docs

32
docs citations

32
times ranked

4453
citing authors

#	ARTICLE	IF	CITATIONS
1	Observability of superconductivity in Sr-doped Bi_2Se_3 at the surface using scanning tunneling microscope. <i>Physical Review Materials</i> , 2022, 6, .		
2	Why a Good Catalyst Can Turn Out Detrimental to Good Polymerization. <i>Journal of Physical Chemistry C</i> , 2021, 125, 5066-5075.	3.1	3
3	Vertical position of Sr dopants in the Bi_2Se_3 superconductor. <i>Physical Review B</i> , 2021, 104, .		
4	Increase of Polymerization Yield on Titania by Surface Reduction. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16918-16925.	3.1	5
5	Synthesis of Graphene Nanoribbons on a Kinked Au Surface: Revealing the Frontier Valence Band at the Brillouin Zone Center. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15474-15480.	3.1	5
6	Plasmonics in Atomically Thin Crystalline Silver Films. <i>ACS Nano</i> , 2019, 13, 7771-7779.	14.6	86
7	Atomically resolved magnetic structure of a Gd-Au surface alloy. <i>Physical Review B</i> , 2019, 99, .	3.2	5
8	Reversible and Irreversible Reactions of Trimethylaluminum with Common Organic Functional Groups as a Model for Molecular Layer Deposition and Vapor Phase Infiltration. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700237.	3.7	34
9	Exploring the Relation Between Intramolecular Conjugation and Band Dispersion in One-Dimensional Polymers. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27118-27125.	3.1	29
10	On-Surface Oligomerization of Self-Terminating Molecular Chains for the Design of Spintronic Devices. <i>ACS Nano</i> , 2017, 11, 9200-9206.	14.6	20
11	Polymerization of Well-Aligned Organic Nanowires on a Ferromagnetic Rare-Earth Surface Alloy. <i>ACS Nano</i> , 2017, 11, 12392-12401.	14.6	20
12	Tuning the Graphene on Ir(111) adsorption regime by Fe/Ir surface-alloying. <i>2D Materials</i> , 2017, 4, 015016.	4.4	18
13	Γ Band Dispersion along Conjugated Organic Nanowires Synthesized on a Metal Oxide Semiconductor. <i>Journal of the American Chemical Society</i> , 2016, 138, 5685-5692.	13.7	47
14	Atomic-Scale Spintronics. , 2016, , 757-784.		0
15	Multi-layer and multi-component intercalation at the graphene/Ir(111) interface. <i>Surface Science</i> , 2015, 639, 70-74.	1.9	12
16	Functionalization of Defect Sites in Graphene with RuO_2 for High Capacitive Performance. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20513-20519.	8.0	36
17	Spin-resolved imaging and spectroscopy of individual molecules with sub-molecular spatial resolution. <i>MRS Bulletin</i> , 2014, 39, 608-613.	3.5	6
18	Long-range magnetic coupling between nanoscale organic-metal hybrids mediated by a nanoskyrmion lattice. <i>Nature Nanotechnology</i> , 2014, 9, 1018-1023.	31.5	44

#	ARTICLE	IF	CITATIONS
19	Tailoring Molecular Self-Assembly of Magnetic Phthalocyanine Molecules on Fe- and Co-Intercalated Graphene. ACS Nano, 2013, 7, 11341-11349.	14.6	52
20	Atomic-Scale Spintronics. , 2013, , 1-24.		0
21	Atomic-scale magnetism of cobalt-intercalated graphene. Physical Review B, 2013, 87, .	3.2	138
22	Spin-resolved characterization of single cobalt phthalocyanine molecules on a ferromagnetic support. Physical Review B, 2012, 86, .	3.2	23
23	Real-space observation of spin-split molecular orbitals of adsorbed single-molecule magnets. Nature Communications, 2012, 3, 953.	12.8	130
24	Magnetic properties of monolayer Co islands on Ir(111) probed by spin-resolved scanning tunneling microscopy. Physical Review B, 2011, 84, .	3.2	19
25	Spontaneous atomic-scale magnetic skyrmion lattice in two dimensions. Nature Physics, 2011, 7, 713-718.	16.7	1,521
26	Controlled sequential dehydrogenation of single molecules by scanning tunneling microscopy. Physical Review B, 2010, 82, .	3.2	15
27	Spin- and Energy-Dependent Tunneling through a Single Molecule with Intramolecular Spatial Resolution. Physical Review Letters, 2010, 105, 047204.	7.8	257
28	Design of the Local Spin Polarization at the Organic-Ferromagnetic Interface. Physical Review Letters, 2010, 105, 066601.	7.8	284
29	Adsorption and conformation of porphyrins on metallic surfaces. Journal of Vacuum Science & Technology B, 2009, 27, 799-804.	1.3	23
30	Dynamics of molecular self-ordering in tetraphenyl porphyrin monolayers on metallic substrates. Nanotechnology, 2009, 20, 275602.	2.6	75
31	Scanning tunneling microscope study of iron(II) phthalocyanine growth on metals and insulating surfaces. Surface Science, 2008, 602, 677-683.	1.9	81
32	Symmetry reduction of metal phthalocyanines on metals. Physical Review B, 2008, 78, .	3.2	86