

Hans Engelkamp

List of Publications by Year in descending order

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62
papers

4,103
citations

136950

32
h-index

128289

60
g-index

66
all docs

66
docs citations

66
times ranked

5706
citing authors

#	ARTICLE	IF	CITATIONS
1	Massive Magnetostriction of the Paramagnetic Insulator $\text{KEr}(\text{MoO}_4)_2$ via a Single-Ion Effect. <i>Advanced Electronic Materials</i> , 2022, 8, .	5.1	4
2	Nonlinear terahertz transmission spectroscopy on Ga-doped germanium in high magnetic fields. <i>Physical Review B</i> , 2022, 105, .	3.2	2
3	Phase-transition-induced jumping, bending, and wriggling of single crystal nanofibers of coronene. <i>Scientific Reports</i> , 2021, 11, 3175.	3.3	10
4	Synthesis and Magnetic Properties of Two-Step Coordination Schiff Base Clusters. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 2611-2617.	2.0	4
5	Magnetic Stiffening in 3D Cell Culture Matrices. <i>Nano Letters</i> , 2021, 21, 6740-6747.	9.1	23
6	Magnetic anisotropy of individually addressed spin states. <i>Physical Review Research</i> , 2021, 3, .	3.6	2
7	Biofabrication of a Functional Tubular Construct from Tissue Spheroids Using Magnetoacoustic Levitational Directed Assembly. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000721.	7.6	19
8	Magnetic Sedimentation Velocities and Equilibria in Dilute Aqueous Ferrofluids. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7989-7998.	2.6	6
9	Magnetoelastic distortion of multiferroic BiFeO_3 in the canted antiferromagnetic state. <i>Physical Review B</i> , 2020, 102, .	3.2	6
10	Colloidal Stability of Aqueous Ferrofluids at 10 ÅT. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5908-5912.	4.6	13
11	Scaffold-free and label-free biofabrication technology using levitational assembly in a high magnetic field. <i>Biofabrication</i> , 2020, 12, 045022.	7.1	16
12	Higher-order Zeeman effect of Mg-related donor complexes in silicon. <i>Physical Review B</i> , 2020, 102, .	3.2	3
13	THz Pump-Probe Setup for Experiments in High Magnetic Fields. , 2018, , .		0
14	Radii of Rydberg states of isolated silicon donors. <i>Physical Review B</i> , 2018, 98, .	3.2	12
15	Magnetic resonances of multiferroic TbFeO_3 . <i>Physical Review B</i> , 2017, 95, .	3.2	10
16	Confining Potential as a Function of Polymer Stiffness and Concentration in Entangled Polymer Solutions. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5613-5620.	2.6	10
17	A THz spectrometer combining the free electron laser FLARE with 33 T magnetic fields. <i>Applied Physics Letters</i> , 2017, 110, 094106.	3.3	14
18	Magnetoquantum Oscillations at THz Frequencies in InSb. <i>Physical Review Letters</i> , 2017, 119, 146603.	7.8	3

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19	The quadratic Zeeman effect used for state-radius determination in neutral donors and donor bound excitons in Si:P. Semiconductor Science and Technology, 2016, 31, 045007.	2.0	3
20	Design of THz setup in the restricted geometry available in high-field magnets. , 2016, , .		0
21	From confined spinons to emergent fermions: Observation of elementary magnetic excitations in a transverse-field Ising chain. Physical Review B, 2016, 94, .	3.2	35
22	An unforeseen polymorph of coronene by the application of magnetic fields during crystal growth. Nature Communications, 2016, 7, 11555.	12.8	68
23	Shaping polymersomes into predictable morphologies via out-of-equilibrium self-assembly. Nature Communications, 2016, 7, 12606.	12.8	127
24	Nanoscale Study of Polymer Dynamics. ACS Nano, 2016, 10, 1434-1441.	14.6	31
25	Observation of Magnetoplasmons in Bi_2Se_3 Topological Insulator. ACS Photonics, 2015, 2, 1231-1235.	6.6	48
26	Non-linear spin lattice dynamic in $\text{KR}(\text{MoO}_4)_2$, 2014, , .		0
27	High-field impurity magneto-optics of Si:Se. Physical Review B, 2014, 90, .	3.2	5
28	Interaction of electronic excitations of Tm^{3+} ions with acoustic vibrations in $\text{KTm}(\text{MoO}_4)_2$. Physical Review B, 2014, 89, .	3.2	3
29	One-way transparency of four-coloured spin-wave excitations in multiferroic materials. Nature Communications, 2014, 5, 3203.	12.8	94
30	Stiffness versus architecture of single helical polyisocyanopeptides. Chemical Science, 2013, 4, 2357.	7.4	28
31	Effects of Bi incorporation on the electronic properties of GaAs: Carrier masses, hole mobility, and Bi-induced acceptor states. Physica Status Solidi (B): Basic Research, 2013, 250, 779-786.	1.5	18
32	Observation of an intersublattice exchange magnon in CoCr_2O_4 and analysis of magnetic ordering. Physical Review B, 2013, 87, 040407.	3.2	27
33	Terahertz Spectroscopy of Spin Waves in Multiferroic BiFeO_3 in High Magnetic Fields. Physical Review Letters, 2013, 110, 257201.	7.8	60
34	Si:P as a laboratory analogue for hydrogen on high magnetic field white dwarf stars. Nature Communications, 2013, 4, 1469.	12.8	50
35	Spin-Stretching Modes in Anisotropic Magnets: Spin-Wave Excitations in the Multiferroic Co_2O_3 . Physical Review Letters, 2012, 108, 257203.	10.6	11
36	Dynamic Disorder in Single-Enzyme Experiments: Facts and Artifacts. ACS Nano, 2012, 6, 346-354.	14.6	55

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55	Self-Assembly and Manipulation of Crown Ether Phthalocyanines at the Gelâ€“Graphite Interface. Angewandte Chemie - International Edition, 2001, 40, 2348-2350.	13.8	85
56	Molecular materials based on crown ether functionalized phthalocyanines. Journal of Porphyrins and Phthalocyanines, 2000, 04, 454-459.	0.8	201
57	Molecular materials based on crown ether functionalized phthalocyanines. Journal of Porphyrins and Phthalocyanines, 2000, 4, 454-459.	0.8	83
58	Self-Assembly of Disk-Shaped Molecules to Coiled-Coil Aggregates with Tunable Helicity. Science, 1999, 284, 785-788.	12.6	728
59	Conformational Behavior and Binding Properties of Naphthalene-Walled Clips. Chemistry - A European Journal, 1998, 4, 716-722.	3.3	37
60	Shish kebab-like chirality. Chemical Communications, 1998, , 979-980.	4.1	38
61	Binding Features of Molecular Clips. Separation of the Effects of Hydrogen Bonding and Î€~Î€ Interactions. Journal of the American Chemical Society, 1997, 119, 9956-9964.	13.7	127
62	Chiral basketâ€“shaped host compounds derived from diphenylglycoluril. Recueil Des Travaux Chimiques Des Pays-Bas, 1995, 114, 65-71.	0.0	9