

Blint Nfrdi

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85
papers

1,594
citations

22
h-index

35
g-index

89
ext. papers

1,808
ext. citations

5.3
avg, IF

4.49
L-index

#	Paper	IF	Citations
85	Microengineered CH ₃ NH ₃ PbI ₃ Nanowire/Graphene Phototransistor for Low-Intensity Light Detection at Room Temperature. <i>Small</i> , 2015 , 11, 4824-8	11	135
84	Tuning of the Thermoelectric Figure of Merit of CH ₃ NH ₃ MI ₃ (M?Pb,Sn) Photovoltaic Perovskites. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 11506-11510	3.8	121
83	Optically switched magnetism in photovoltaic perovskite CHNH(Mn:Pb)I. <i>Nature Communications</i> , 2016 , 7, 13406	17.4	85
82	Controlled growth of CH ₃ NH ₃ PbI ₃ nanowires in arrays of open nanofluidic channels. <i>Scientific Reports</i> , 2016 , 6, 19834	4.9	75
81	Magnetic fullerenes inside single-wall carbon nanotubes. <i>Physical Review Letters</i> , 2006 , 97, 136801	7.4	54
80	Methylammonium Lead Iodide for Efficient X-ray Energy Conversion. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 25204-25208	3.8	50
79	Towards electron spin resonance of mechanically exfoliated graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2558-2561	1.3	50
78	Ultrasensitive 1D field-effect phototransistors: CH ₃ NH ₃ PbI ₃ nanowire sensitized individual carbon nanotubes. <i>Nanoscale</i> , 2016 , 8, 4888-93	7.7	47
77	Anisotropic transport properties of tungsten disulfide. <i>Scripta Materialia</i> , 2016 , 114, 48-50	5.6	42
76	The Role of Transport Agents in MoS ₂ Single Crystals. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 3918-3922	3.2	40
75	Light-Emitting Electrochemical Cells of Single Crystal Hybrid Halide Perovskite with Vertically Aligned Carbon Nanotubes Contacts. <i>ACS Photonics</i> , 2019 , 6, 967-975	6.3	37
74	Global, regional, and national burdens of ischemic heart disease and stroke attributable to exposure to long working hours for 194 countries, 2000-2016: A systematic analysis from the WHO/ILO Joint Estimates of the Work-related Burden of Disease and Injury. <i>Environment International</i> , 2021 , 154, 106595	12.9	36
73	A neutral zwitterionic molecular solid. <i>Chemistry - A European Journal</i> , 2010 , 16, 14051-9	4.8	35
72	Synthesis of Homogeneous Manganese-Doped Titanium Oxide Nanotubes from Titanate Precursors. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 697-702	3.8	34
71	Continuous-wave far-infrared ESR spectrometer for high-pressure measurements. <i>Journal of Magnetic Resonance</i> , 2008 , 195, 206-10	3	34
70	Mechanical signatures of degradation of the photovoltaic perovskite CH ₃ NH ₃ PbI ₃ upon water vapor exposure. <i>Applied Physics Letters</i> , 2017 , 110, 121903	3.4	32
69	Molecular and Spin Dynamics in the Paramagnetic Endohedral Fullerene Gd ₃ N@C ₈₀ . <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 3291-3296	6.4	31

68	Electron spin resonance of single-walled carbon nanotubes and related structures. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3106-3110	1.3	31
67	Three-Dimensionally Enlarged Photoelectrodes by a Protogenetic Inclusion of Vertically Aligned Carbon Nanotubes into CH ₃ NH ₃ PbBr ₃ Single Crystals. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 13549-13556	3.8	25
66	Clean, cleaved surfaces of the photovoltaic perovskite. <i>Scientific Reports</i> , 2017 , 7, 695	4.9	24
65	Microwave frequency modulation in continuous-wave far-infrared ESR utilizing a quasi-optical reflection bridge. <i>Journal of Magnetic Resonance</i> , 2008 , 192, 265-8	3	24
64	Supramolecular Approach to the Synthesis of [60]Fullerene-Metal Dithiocarbamate Complexes, {(MII(R ₂ dtc) ₂) _x ·[C ₆₀] (M = Zn, Cd, Hg, Fe, and Mn; x = 1 and 2). The Study of Magnetic Properties and Photoconductivity. <i>Crystal Growth and Design</i> , 2008 , 8, 1161-1172	3.5	22
63	Low-temperature dynamics of magnons in a spin-1/2 ladder compound. <i>Physical Review Letters</i> , 2011 , 106, 177202	7.4	20
62	Determination of the magnetic order and the crystal symmetry in the multiferroic ground state of Ba ₂ CoGe ₂ O ₇ . <i>Physical Review B</i> , 2012 , 86,	3.3	20
61	Room temperature manipulation of long lifetime spins in metallic-like carbon nanospheres. <i>Nature Communications</i> , 2016 , 7, 12232	17.4	18
60	Symmetry and structure of multiferroic Ba ₂ CoGe ₂ O ₇ . <i>Physical Review B</i> , 2011 , 84,	3.3	18
59	Enhanced thermal stability and spin-lattice relaxation rate of N@C ₆₀ inside carbon nanotubes. <i>Physical Review B</i> , 2008 , 77,	3.3	17
58	Ultrasensitive 3D Aerosol-Jet-Printed Perovskite X-ray Photodetector. <i>ACS Nano</i> , 2021 , 15, 4077-4084	16.7	17
57	Spin dynamics in the S=12 antiferromagnetic chain compounds (EDT-TTF-CONMe ₂) ₂ X (X=AsF ₆ ,Br): A multifrequency electron spin resonance study. <i>Physical Review B</i> , 2010 , 81,	3.3	16
56	Multifrequency ESR in ET ₂ MnCu[N(CN) ₂] ₄ : A radical cation salt with quasi-two-dimensional magnetic layers in a three-dimensional polymeric structure. <i>Physical Review B</i> , 2009 , 80,	3.3	16
55	Dinuclear clathrochelate complexes with pendent cyano groups as metalloligands. <i>Dalton Transactions</i> , 2016 , 45, 15507-15516	4.3	15
54	Spin lifetime of itinerant electrons in chemically synthesized graphene multi-layers. <i>Carbon</i> , 2014 , 74, 346-351	10.4	15
53	Pressure and temperature dependence of interlayer spin diffusion and electrical conductivity in the layered organic conductors [(BEDT-TTF) ₂ Cu[N(CN) ₂] ₂] _X (X = Cl, Br). <i>Physical Review B</i> , 2011 , 84,	3.3	15
52	Spin resonance in the ordered magnetic state of Ni ₅ (TeO ₃) ₄ Cl ₂ . <i>Physical Review B</i> , 2006 , 74,	3.3	15
51	Mechanical response of CH ₃ NH ₃ PbI ₃ nanowires. <i>Applied Physics Letters</i> , 2018 , 112, 111901	3.4	14

50	Highly stable enzyme-mimicking nanocomposite of antioxidant activity. <i>Journal of Colloid and Interface Science</i> , 2019 , 543, 174-182	9.3	14
49	Evolution of two-dimensional antiferromagnetism with temperature and magnetic field in multiferroic Ba ₂ CoGe ₂ O ₇ . <i>Physical Review B</i> , 2014 , 89,	3.3	13
48	Kilogram-Scale Crystallogensis of Halide Perovskites for Gamma-Rays Dose Rate Measurements. <i>Advanced Science</i> , 2021 , 8, 2001882	13.6	13
47	Magnetostriction and Magnetostructural Domains in Antiferromagnetic YBa ₂ Cu ₃ O ₆ . <i>Physical Review Letters</i> , 2016 , 116, 047001	7.4	12
46	Electron Spin Dynamics of Two-Dimensional Layered Materials. <i>Advanced Functional Materials</i> , 2017 , 27, 1604040	15.6	12
45	Bond randomness induced magnon decoherence in a spin-12 ladder compound. <i>Physical Review B</i> , 2013 , 87,	3.3	12
44	Strong interplay between the electron spin lifetime in chemically synthesized graphene multilayers and surface-bound oxygen. <i>Chemistry - A European Journal</i> , 2015 , 21, 770-7	4.8	11
43	Observation of conduction electron spin resonance in boron-doped diamond. <i>Physical Review B</i> , 2013 , 87,	3.3	11
42	From nanotubes to single crystals: Co doped TiO ₂ . <i>APL Materials</i> , 2013 , 1, 032111	5.7	11
41	Dual [proton]/[hole] mixed valence in a molecular metal: balancing chemical activity in the solid state by tapping into a molecular hole reservoir. <i>Journal of Materials Chemistry</i> , 2011 , 21, 1516-1522		11
40	Cyan titania nanowires: Spectroscopic study of the origin of the self-doping enhanced photocatalytic activity. <i>Catalysis Today</i> , 2017 , 284, 52-58	5.3	10
39	Electron spin resonance in alkali doped SWCNTs. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 1975-1978	5.1	10
38	Competitive ion-exchange of manganese and gadolinium in titanate nanotubes. <i>Catalysis Today</i> , 2017 , 284, 146-152	5.3	9
37	Radiation detection and energy conversion in nuclear reactor environments by hybrid photovoltaic perovskites. <i>Energy Conversion and Management</i> , 2020 , 205, 112423	10.6	9
36	Characterizing the maximum number of layers in chemically exfoliated graphene. <i>Scientific Reports</i> , 2019 , 9, 19480	4.9	9
35	Tuning ferromagnetism at room temperature by visible light. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 6417-6423	11.5	8
34	Measurement of interlayer spin diffusion in the organic conductor , , Br. <i>Physica B: Condensed Matter</i> , 2010 , 405, S168-S171	2.8	8
33	La@C ₈₂ as a spin-active filling of SWCNTs: ESR study of magnetic and photophysical properties. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 2042-2046	1.3	8

32	Two-dimensional Magnetism in $\text{[(BEDT-TTF)}_2\text{Cu[N(CN)}_2\text{]Cl}$, a Spin-1/2 Heisenberg Antiferromagnet with Dzyaloshinskii-Moriya Interaction. <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 124704	1.5	7
31	Photodiode Response in a CH ₃ NHPbI/CH ₃ NHSnI Heterojunction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10198-10202	9.5	6
30	Ultralong Spin Lifetime in Light Alkali Atom Doped Graphene. <i>ACS Nano</i> , 2020 , 14, 7492-7501	16.7	6
29	Magnetotransport studies of superconducting Pr ₄ Fe ₂ As ₂ Te _{1-x} O ₄ . <i>Physical Review B</i> , 2016 , 93,	3.3	6
28	The low-temperature crystal structure of the multiferroic melilite Ca ₂ CoSi ₂ O ₇ . <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016 , 72, 126-32	1.8	6
27	J1J ₂ square lattice antiferromagnetism in the orbitally quenched insulator MoOPO ₄ . <i>Physical Review B</i> , 2017 , 96,	3.3	6
26	Doped carbon nanotubes as a model system of biased graphene. <i>Physical Review B</i> , 2017 , 96,	3.3	6
25	Magnetic fluctuations above the Néel temperature in $\text{[(BEDT-TTF)}_2\text{Cu[N(CN)}_2\text{]Cl}$, a quasi-2D Heisenberg antiferromagnet with Dzyaloshinskii-Moriya interaction. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 1004-1007	1.3	6
24	Stability and electronic properties of magnetic peapods. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 2034-2037	1.3	6
23	Optical detection of charge dynamics in CH ₃ NHPbI/carbon nanotube composites. <i>Nanoscale</i> , 2017 , 9, 17781-17787	9.7	6
22	Dry-pressed anodized titania nanotube/CH ₃ NH ₃ PbI ₃ single crystal heterojunctions: The beneficial role of N doping. <i>Ceramics International</i> , 2019 , 45, 10013-10020	5.1	5
21	High frequency electron spin resonance study of peapods. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 2029-2033	1.3	5
20	Rapid thickness reading of CH ₃ NH ₃ PbI ₃ nanowire thin films from color maps. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016 , 213, 2017-2023	1.6	5
19	Crystal Structure of Magnetoelectric BaMnGeO at Room and Low Temperatures by Neutron Diffraction. <i>Inorganic Chemistry</i> , 2018 , 57, 5089-5095	5.1	4
18	Upper critical field, pressure-dependent superconductivity and electronic anisotropy of Sm ₄ Fe ₂ As ₂ Te _(1-x) O _(4-y) F _(y) . <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 115701	1.8	4
17	Transport, magnetic and vibrational properties of chemically exfoliated few-layer graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2015 , 252, 2438-2443	1.3	4
16	Metallic bundles of single-wall carbon nanotubes probed by electron spin resonance. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 3885-3889	1.3	4
15	Electron spin lifetime in chemically synthesized graphene sheets. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 2521-2524	1.3	3

14	Superior Water Sheeting Effect on Photocatalytic Titania Nanowire Coated Glass. <i>Langmuir</i> , 2017 , 33, 9043-9049	4	3
13	Intermolecular Resonance Correlates Electron Pairs Down a Supermolecular Chain: Antiferromagnetism in K-Doped -Terphenyl. <i>Journal of the American Chemical Society</i> , 2020 , 142, 20624-20630	16.4	3
12	Influence of the organic cation disorder on photoconductivity in ethylenediammonium lead iodide, NH ₃ CH ₂ CH ₂ NH ₃ PbI ₄ . <i>CrystEngComm</i> , 2018 , 20, 3543-3549	3.3	3
11	Pressure-induced transformation of CH ₃ NH ₃ PbI ₃ : the role of the noble-gas pressure transmitting media. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019 , 75, 361-370	1.8	2
10	Quantum spin-liquid states in an organic magnetic layer and molecular rotor hybrid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 29555-29560	11.5	2
9	Improved Alkali Intercalation of Carbonaceous Materials in Ammonia Solution. <i>Physica Status Solidi (B): Basic Research</i> , 2019 , 256, 1900324	1.3	2
8	Evidence of anomalous switching of the in-plane magnetic easy axis with temperature in FeO film on SrTiO ₃ :Nb by v-MOKE and ferromagnetic resonance. <i>Nanoscale</i> , 2019 , 11, 19870-19876	7.7	2
7	Hybrid halide perovskite neutron detectors. <i>Scientific Reports</i> , 2021 , 11, 17159	4.9	2
6	Tuning Conductivity and Spin Dynamics in Few-Layer Graphene via In Situ Potassium Exposure. <i>Physica Status Solidi (B): Basic Research</i> , 2020 , 257, 2000368	1.3	1
5	Light-induced charge transfer at the CH ₃ NH ₃ PbI ₃ /TiO ₂ interface: low-temperature photo-electron paramagnetic resonance assay. <i>JPhys Photonics</i> , 2020 , 2, 014007	2.5	1
4	Anisotropic Elliott-Lifshitz theory and application to KC ₈ potassium intercalated graphite. <i>Physica Status Solidi (B): Basic Research</i> , 2016 , 253, 2505-2508	1.3	1
3	Magnetic structure of the magnetoelectric material Ca ₂ CoSi ₂ O ₇ . <i>Physical Review B</i> , 2017 , 95,	3.3	1
2	Photodetectors: Microengineered CH ₃ NH ₃ PbI ₃ Nanowire/Graphene Phototransistor for Low-Intensity Light Detection at Room Temperature (Small 37/2015). <i>Small</i> , 2015 , 11, 4823-4823	11	1
1	Topological Analysis of the Experimental Electron Density in Multiferroic Antiferromagnet Ba ₂ MnGe ₂ O ₇ . <i>IEEE Transactions on Magnetics</i> , 2021 , 1-1	2	0