

# Blint Nfrdi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Kilogram-Scale Crystallogenesi of Halide Perovskites for Gamma-Rays Dose Rate Measurements. <i>Advanced Science</i> , <b>2021</b> , 8, 2001882	13.6	13
84	Ultrasensitive 3D Aerosol-Jet-Printed Perovskite X-ray Photodetector. <i>ACS Nano</i> , <b>2021</b> , 15, 4077-4084	16.7	17
83	Hybrid halide perovskite neutron detectors. <i>Scientific Reports</i> , <b>2021</b> , 11, 17159	4.9	2
82	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> , <b>2021</b> , 154, 106595	12.9	36
81	Topological Analysis of the Experimental Electron Density in Multiferroic Antiferromagnet Ba <sub>2</sub> MnGe <sub>2</sub> O <sub>7</sub> . <i>IEEE Transactions on Magnetics</i> , <b>2021</b> , 1-1	2	0
80	Tuning Conductivity and Spin Dynamics in Few-Layer Graphene via In Situ Potassium Exposure. <i>Physica Status Solidi (B): Basic Research</i> , <b>2020</b> , 257, 2000368	1.3	1
79	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> , <b>2020</b> , 117, 29555-29560	11.5	2
78	Ultralong Spin Lifetime in Light Alkali Atom Doped Graphene. <i>ACS Nano</i> , <b>2020</b> , 14, 7492-7501	16.7	6
77	Tuning ferromagnetism at room temperature by visible light. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 6417-6423	11.5	8
76	Light-induced charge transfer at the CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> /TiO <sub>2</sub> interface: low-temperature photo-electron paramagnetic resonance assay. <i>JPhys Photonics</i> , <b>2020</b> , 2, 014007	2.5	1
75	Radiation detection and energy conversion in nuclear reactor environments by hybrid photovoltaic perovskites. <i>Energy Conversion and Management</i> , <b>2020</b> , 205, 112423	10.6	9
74	Intermolecular Resonance Correlates Electron Pairs Down a Supermolecular Chain: Antiferromagnetism in K-Doped -Terphenyl. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 20624-20630	16.4	3
73	Pressure-induced transformation of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> : the role of the noble-gas pressure transmitting media. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2019</b> , 75, 361-370	1.8	2
72	Light-Emitting Electrochemical Cells of Single Crystal Hybrid Halide Perovskite with Vertically Aligned Carbon Nanotubes Contacts. <i>ACS Photonics</i> , <b>2019</b> , 6, 967-975	6.3	37
71	Dry-pressed anodized titania nanotube/CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> single crystal heterojunctions: The beneficial role of N doping. <i>Ceramics International</i> , <b>2019</b> , 45, 10013-10020	5.1	5
70	Improved Alkali Intercalation of Carbonaceous Materials in Ammonia Solution. <i>Physica Status Solidi (B): Basic Research</i> , <b>2019</b> , 256, 1900324	1.3	2
69	Highly stable enzyme-mimicking nanocomposite of antioxidant activity. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 543, 174-182	9.3	14

68	Characterizing the maximum number of layers in chemically exfoliated graphene. <i>Scientific Reports</i> , <b>2019</b> , 9, 19480	4.9	9
67	Evidence of anomalous switching of the in-plane magnetic easy axis with temperature in FeO film on SrTiO:Nb by v-MOKE and ferromagnetic resonance. <i>Nanoscale</i> , <b>2019</b> , 11, 19870-19876	7.7	2
66	Crystal Structure of Magnetoelectric BaMnGeO at Room and Low Temperatures by Neutron Diffraction. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 5089-5095	5.1	4
65	Mechanical response of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> nanowires. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 111901	3.4	14
64	Influence of the organic cation disorder on photoconductivity in ethylenediammonium lead iodide, NH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> NH <sub>3</sub> PbI <sub>4</sub> . <i>CrystEngComm</i> , <b>2018</b> , 20, 3543-3549	3.3	3
63	Photodiode Response in a CH <sub>3</sub> NH <sub>3</sub> PbI/CH <sub>3</sub> NH <sub>3</sub> SnI Heterojunction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 10198-10202	9.5	6
62	Competitive ion-exchange of manganese and gadolinium in titanate nanotubes. <i>Catalysis Today</i> , <b>2017</b> , 284, 146-152	5.3	9
61	Three-Dimensionally Enlarged Photoelectrodes by a Protogenetic Inclusion of Vertically Aligned Carbon Nanotubes into CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Single Crystals. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 13549-13556 <sup>25</sup>	3.8	25
60	Mechanical signatures of degradation of the photovoltaic perovskite CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> upon water vapor exposure. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 121903	3.4	32
59	Optical detection of charge dynamics in CH <sub>3</sub> NH <sub>3</sub> PbI/carbon nanotube composites. <i>Nanoscale</i> , <b>2017</b> , 9, 17781-17787	7.1	37
58	J102 square lattice antiferromagnetism in the orbitally quenched insulator MoOPO <sub>4</sub> . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	6
57	Clean, cleaved surfaces of the photovoltaic perovskite. <i>Scientific Reports</i> , <b>2017</b> , 7, 695	4.9	24
56	Magnetic structure of the magnetoelectric material Ca <sub>2</sub> CoSi <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	1
55	Doped carbon nanotubes as a model system of biased graphene. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	6
54	Superior Water Sheeting Effect on Photocatalytic Titania Nanowire Coated Glass. <i>Langmuir</i> , <b>2017</b> , 33, 9043-9049	4	3
53	Electron Spin Dynamics of Two-Dimensional Layered Materials. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604040	15.6	12
52	Cyan titania nanowires: Spectroscopic study of the origin of the self-doping enhanced photocatalytic activity. <i>Catalysis Today</i> , <b>2017</b> , 284, 52-58	5.3	10
51	Anisotropic Elliott-Vafet theory and application to KC <sub>8</sub> potassium intercalated graphite. <i>Physica Status Solidi (B): Basic Research</i> , <b>2016</b> , 253, 2505-2508	1.3	1

50	Optically switched magnetism in photovoltaic perovskite CH <sub>3</sub> NH <sub>3</sub> (Mn:Pb)I <sub>3</sub> . <i>Nature Communications</i> , <b>2016</b> , 7, 13406	17.4	85
49	Dinuclear clathrochelate complexes with pendent cyano groups as metalloligands. <i>Dalton Transactions</i> , <b>2016</b> , 45, 15507-15516	4.3	15
48	Magnetotransport studies of superconducting Pr <sub>4</sub> Fe <sub>2</sub> As <sub>2</sub> Te <sub>1-x</sub> O <sub>4</sub> . <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	6
47	Magnetostriction and Magnetostructural Domains in Antiferromagnetic YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6</sub> . <i>Physical Review Letters</i> , <b>2016</b> , 116, 047001	7.4	12
46	Controlled growth of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> nanowires in arrays of open nanofluidic channels. <i>Scientific Reports</i> , <b>2016</b> , 6, 19834	4.9	75
45	Room temperature manipulation of long lifetime spins in metallic-like carbon nanospheres. <i>Nature Communications</i> , <b>2016</b> , 7, 12232	17.4	18
44	The low-temperature crystal structure of the multiferroic melilite Ca <sub>2</sub> CoSi <sub>2</sub> O <sub>7</sub> . <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2016</b> , 72, 126-32	1.8	6
43	Ultrasensitive 1D field-effect phototransistors: CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> nanowire sensitized individual carbon nanotubes. <i>Nanoscale</i> , <b>2016</b> , 8, 4888-93	7.7	47
42	Upper critical field, pressure-dependent superconductivity and electronic anisotropy of Sm <sub>4</sub> Fe <sub>2</sub> As <sub>2</sub> Te <sub>(1-x)</sub> O <sub>(4-y)</sub> F <sub>(y)</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 115701	1.8	4
41	Anisotropic transport properties of tungsten disulfide. <i>Scripta Materialia</i> , <b>2016</b> , 114, 48-50	5.6	42
40	Rapid thickness reading of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> nanowire thin films from color maps. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2016</b> , 213, 2017-2023	1.6	5
39	Tuning of the Thermoelectric Figure of Merit of CH <sub>3</sub> NH <sub>3</sub> MI <sub>3</sub> (M=Pb,Sn) Photovoltaic Perovskites. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 11506-11510	3.8	121
38	Methylammonium Lead Iodide for Efficient X-ray Energy Conversion. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 25204-25208	3.8	50
37	Photodetectors: Microengineered CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Nanowire/Graphene Phototransistor for Low-Intensity Light Detection at Room Temperature (Small 37/2015). <i>Small</i> , <b>2015</b> , 11, 4823-4823	11	1
36	Transport, magnetic and vibrational properties of chemically exfoliated few-layer graphene. <i>Physica Status Solidi (B): Basic Research</i> , <b>2015</b> , 252, 2438-2443	1.3	4
35	Microengineered CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Nanowire/Graphene Phototransistor for Low-Intensity Light Detection at Room Temperature. <i>Small</i> , <b>2015</b> , 11, 4824-8	11	135
34	Two-dimensional Magnetism in $\text{E}(\text{BEDT-TTF})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Cl}$ , a Spin-1/2 Heisenberg Antiferromagnet with Dzyaloshinskii-Moriya Interaction. <i>Journal of the Physical Society of Japan</i> , <b>2015</b> , 84, 124704	1.5	7
33	Strong interplay between the electron spin lifetime in chemically synthesized graphene multilayers and surface-bound oxygen. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 770-7	4.8	11

32	The Role of Transport Agents in MoS <sub>2</sub> Single Crystals. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 3918-3922	3.2	40
31	Spin lifetime of itinerant electrons in chemically synthesized graphene multi-layers. <i>Carbon</i> , <b>2014</b> , 74, 346-351	10.4	15
30	Evolution of two-dimensional antiferromagnetism with temperature and magnetic field in multiferroic Ba <sub>2</sub> CoGe <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	13
29	Electron spin lifetime in chemically synthesized graphene sheets. <i>Physica Status Solidi (B): Basic Research</i> , <b>2014</b> , 251, 2521-2524	1.3	3
28	Synthesis of Homogeneous Manganese-Doped Titanium Oxide Nanotubes from Titanate Precursors. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 697-702	3.8	34
27	Bond randomness induced magnon decoherence in a spin-1/2 ladder compound. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	12
26	Observation of conduction electron spin resonance in boron-doped diamond. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	11
25	From nanotubes to single crystals: Co doped TiO <sub>2</sub> . <i>APL Materials</i> , <b>2013</b> , 1, 032111	5.7	11
24	Molecular and Spin Dynamics in the Paramagnetic Endohedral Fullerene Gd <sub>3</sub> N@C <sub>80</sub> . <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 3291-3296	6.4	31
23	Magnetic fluctuations above the Néel temperature in $\square$ (BEDT-TTF) <sub>2</sub> Cu[N(CN) <sub>2</sub> ]Cl, a quasi-2D Heisenberg antiferromagnet with Dzyaloshinskii-Moriya interaction. <i>Physica Status Solidi (B): Basic Research</i> , <b>2012</b> , 249, 1004-1007	1.3	6
22	Determination of the magnetic order and the crystal symmetry in the multiferroic ground state of Ba <sub>2</sub> CoGe <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	20
21	Low-temperature dynamics of magnons in a spin-1/2 ladder compound. <i>Physical Review Letters</i> , <b>2011</b> , 106, 177202	7.4	20
20	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> , <b>2011</b> , 21, 1516-1522		11
19	Symmetry and structure of multiferroic Ba <sub>2</sub> CoGe <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	18
18	Pressure and temperature dependence of interlayer spin diffusion and electrical conductivity in the layered organic conductors $\square$ (BEDT-TTF) <sub>2</sub> Cu[N(CN) <sub>2</sub> ]X (X = Cl, Br). <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	15
17	Spin dynamics in the S=1/2 antiferromagnetic chain compounds $\square$ (EDT-TTF-CONMe <sub>2</sub> ) <sub>2</sub> X (X=AsF <sub>6</sub> ,Br): A multifrequency electron spin resonance study. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	16
16	A neutral zwitterionic molecular solid. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 14051-9	4.8	35
15	Measurement of interlayer spin diffusion in the organic conductor $\square$ , Br. <i>Physica B: Condensed Matter</i> , <b>2010</b> , 405, S168-S171	2.8	8

14	Multifrequency ESR in $\text{ET}_2\text{MnCu}[\text{N}(\text{CN})_2]_4$ : A radical cation salt with quasi-two-dimensional magnetic layers in a three-dimensional polymeric structure. <i>Physical Review B</i> , <b>2009</b> , 80,	3-3	16
13	Towards electron spin resonance of mechanically exfoliated graphene. <i>Physica Status Solidi (B): Basic Research</i> , <b>2009</b> , 246, 2558-2561	1-3	50
12	Enhanced thermal stability and spin-lattice relaxation rate of $\text{N}@C_{60}$ inside carbon nanotubes. <i>Physical Review B</i> , <b>2008</b> , 77,	3-3	17
11	Supramolecular Approach to the Synthesis of [60]FullereneMetal Dithiocarbamate Complexes, $\{(\text{MII}(\text{R}_2\text{dte})_2)_x\text{L}\}[\text{C}_{60}]$ (M = Zn, Cd, Hg, Fe, and Mn; x = 1 and 2). The Study of Magnetic Properties and Photoconductivity. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 1161-1172	3-5	22
10	Electron spin resonance in alkali doped SWCNTs. <i>Physica Status Solidi (B): Basic Research</i> , <b>2008</b> , 245, 1975-1978	1-3	10
9	$\text{La}@C_{82}$ as a spin-active filling of SWCNTs: ESR study of magnetic and photophysical properties. <i>Physica Status Solidi (B): Basic Research</i> , <b>2008</b> , 245, 2042-2046	1-3	8
8	High frequency electron spin resonance study of peapods. <i>Physica Status Solidi (B): Basic Research</i> , <b>2008</b> , 245, 2029-2033	1-3	5
7	Stability and electronic properties of magnetic peapods. <i>Physica Status Solidi (B): Basic Research</i> , <b>2008</b> , 245, 2034-2037	1-3	6
6	Microwave frequency modulation in continuous-wave far-infrared ESR utilizing a quasi-optical reflection bridge. <i>Journal of Magnetic Resonance</i> , <b>2008</b> , 192, 265-8	3	24
5	Continuous-wave far-infrared ESR spectrometer for high-pressure measurements. <i>Journal of Magnetic Resonance</i> , <b>2008</b> , 195, 206-10	3	34
4	Metallic bundles of single-wall carbon nanotubes probed by electron spin resonance. <i>Physica Status Solidi (B): Basic Research</i> , <b>2007</b> , 244, 3885-3889	1-3	4
3	Spin resonance in the ordered magnetic state of $\text{Ni}_5(\text{TeO}_3)_4\text{Cl}_2$ . <i>Physical Review B</i> , <b>2006</b> , 74,	3-3	15
2	Magnetic fullerenes inside single-wall carbon nanotubes. <i>Physical Review Letters</i> , <b>2006</b> , 97, 136801	7-4	54
1	Electron spin resonance of single-walled carbon nanotubes and related structures. <i>Physica Status Solidi (B): Basic Research</i> , <b>2006</b> , 243, 3106-3110	1-3	31