

Endre Horvath

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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.

61

papers

2,221

citations

22

h-index

46

g-index

64

ext. papers

2,456

ext. citations

5.7

avg, IF

4.81

L-index

#	Paper	IF	Citations
61	Ultra-Low Thermal Conductivity in Organic-Inorganic Hybrid Perovskite CH ₃ NH ₃ PbI ₃ . <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 2488-92	6.4	337
60	Nanowires of methylammonium lead iodide (CH ₃ NH ₃ PbI ₃) prepared by low temperature solution-mediated crystallization. <i>Nano Letters</i> , 2014 , 14, 6761-6	11.5	221
59	Photosensitization of ion-exchangeable titanate nanotubes by CdS nanoparticles. <i>Chemical Physics Letters</i> , 2004 , 399, 512-515	2.5	166
58	Oriented crystal growth model explains the formation of titania nanotubes. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 17781-3	3.4	148
57	Hydrothermal Conversion of Self-Assembled Titanate Nanotubes into Nanowires in a Revolving Autoclave. <i>Chemistry of Materials</i> , 2007 , 19, 927-931	9.6	146
56	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
55	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
54	High-efficiency solid-state dye-sensitized solar cells: fast charge extraction through self-assembled 3D fibrous network of crystalline TiO ₂ nanowires. <i>ACS Nano</i> , 2010 , 4, 7644-50	16.7	99
53	Health hazards of methylammonium lead iodide based perovskites: cytotoxicity studies. <i>Toxicology Research</i> , 2016 , 5, 407-419	2.6	82
52	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
51	Methylammonium Lead Iodide for Efficient X-ray Energy Conversion. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 25204-25208	3.8	50
50	Striking influence of the catalyst support and its acid-base properties: new insight into the growth mechanism of carbon nanotubes. <i>ACS Nano</i> , 2011 , 5, 3428-37	16.7	48
49	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
48	Photocatalytic Nanowires-Based Air Filter: Towards Reusable Protective Masks. <i>Advanced Functional Materials</i> , 2020 , 30, 2004615	15.6	36
47	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
46	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
45	Dye metachromasy on titanate nanowires: sensing humidity with reversible molecular dimerization. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8778		29

44	CHNHPbI: precise structural consequences of water absorption at ambient conditions. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016 , 72, 716-722	1.8	28
43	Probing titanate nanowire surface acidity through methylene blue adsorption in colloidal suspension and on thin films. <i>Journal of Colloid and Interface Science</i> , 2014 , 416, 190-7	9.3	27
42	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
41	Clean, cleaved surfaces of the photovoltaic perovskite. <i>Scientific Reports</i> , 2017 , 7, 695	4.9	24
40	Tuning the aggregation of titanate nanowires in aqueous dispersions. <i>Langmuir</i> , 2015 , 31, 42-9	4	24
39	Influence of synthesis parameters on CCVD growth of vertically aligned carbon nanotubes over aluminum substrate. <i>Scientific Reports</i> , 2017 , 7, 9557	4.9	21
38	Challenges and rewards of the electrosynthesis of macroscopic aligned carbon nanotube array/conducting polymer hybrid assemblies. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015 , 53, 1507-1518	2.6	18
37	Ultrasensitive 3D Aerosol-Jet-Printed Perovskite X-ray Photodetector. <i>ACS Nano</i> , 2021 , 15, 4077-4084	16.7	17
36	Dendrimer-Stabilized Titanate Nanowire Dispersions as Potential Nanocarriers. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 24919-24926	3.8	16
35	Mahan excitons in room-temperature methylammonium lead bromide perovskites. <i>Nature Communications</i> , 2020 , 11, 850	17.4	15
34	Dispersion Characteristics and Aggregation in Titanate Nanowire Colloids. <i>ChemPlusChem</i> , 2014 , 79, 592-600	2.8	15
33	Kilogram-Scale Crystallogensis of Halide Perovskites for Gamma-Rays Dose Rate Measurements. <i>Advanced Science</i> , 2021 , 8, 2001882	13.6	13
32	Sensing hydrogen peroxide by carbon nanotube/horseradish peroxidase bio-nanocomposite. <i>Physica Status Solidi (B): Basic Research</i> , 2013 , 250, 2559-2563	1.3	12
31	Influence of Protamine Functionalization on the Colloidal Stability of 1D and 2D Titanium Oxide Nanostructures. <i>Langmuir</i> , 2017 , 33, 9750-9758	4	11
30	Fighting Health Hazards in Lead Halide Perovskite Optoelectronic Devices with Transparent Phosphate Salts. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 33995-34002	9.5	11
29	Morphology and Photoluminescence of CH ₃ NH ₃ PbI ₃ Deposits on Nonplanar, Strongly Curved Substrates. <i>ACS Photonics</i> , 2018 , 5, 1476-1485	6.3	10
28	Carbon nanotubes quench singlet oxygen generated by photosynthetic reaction centers. <i>Physica Status Solidi (B): Basic Research</i> , 2013 , 250, 2539-2543	1.3	10
27	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

26	Competitive ion-exchange of manganese and gadolinium in titanate nanotubes. <i>Catalysis Today</i> , 2017 , 284, 146-152	5.3	9
25	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
24	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
23	Generating photocurrent by nanocomposites based on photosynthetic reaction centre protein. <i>Physica Status Solidi (B): Basic Research</i> , 2015 , 252, 2614-2619	1.3	7
22	Long term stabilization of reaction center protein photochemistry by carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 2454-2457	1.3	7
21	Photodiode Response in a CH ₃ NH ₃ PbI/CH ₃ NH ₃ SnI Heterojunction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10198-10202	9.5	6
20	Differential Response of the Photoluminescence and Photocurrent of Polycrystalline CH ₃ NH ₃ PbI ₃ and CH ₃ NH ₃ PbBr ₃ to the Exposure to Oxygen and Nitrogen. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 2007-2017	4	6
19	Effect of Thermal Cycling on the Structural Evolution of Methylammonium Lead Iodide Monitored around the Phase Transition Temperatures. <i>Solar Rrl</i> , 2019 , 3, 1900044	7.1	6
18	Chemical challenges during the synthesis of MWCNT-based inorganic nanocomposite materials. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 2360-2365	1.3	6
17	Fine tuning the coverage of a titanate nanowire layer on a glass substrate. <i>Chemical Physics Letters</i> , 2008 , 460, 191-195	2.5	6
16	Growth of CNT Forests on Titanium Based Layers, Detailed Study of Catalysts. <i>Frontiers in Chemistry</i> , 2018 , 6, 593	5	6
15	Optical detection of charge dynamics in CH ₃ NH ₃ PbI/carbon nanotube composites. <i>Nanoscale</i> , 2017 , 9, 17781-17787	7.7	5
14	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
13	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
12	The effect of titania precursor on the morphology of prepared TiO ₂ /MWCNT nanocomposite materials. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 2384-2388	1.3	4
11	Infrared and 2-Dimensional Correlation Spectroscopy Study of the Effect of CH ₃ NH ₃ PbI and CH ₃ NH ₃ SnI Photovoltaic Perovskites on Eukaryotic Cells. <i>Molecules</i> , 2020 , 25,	4.8	3
10	Photosynthetic reaction centre/carbon nanotube bundle composites. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 2366-2371	1.3	3
9	Superior Water Sheeting Effect on Photocatalytic Titania Nanowire Coated Glass. <i>Langmuir</i> , 2017 , 33, 9043-9049	4	3

8	Equilibrium concentration of singlet oxygen in photoreaction of reaction center/carbon nanotube bionanocomposites. <i>Physica Status Solidi (B): Basic Research</i> , 2015 , 252, 2479-2484	1.3	3
7	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
6	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
5	Hybrid halide perovskite neutron detectors. <i>Scientific Reports</i> , 2021 , 11, 17159	4.9	2
4	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
3	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
2	Fast Lead-Free Humidity Sensor Based on Hybrid Halide Perovskite. <i>Crystals</i> , 2022 , 12, 547	2.3	1
1	Electron Microscopy Investigation of Coated Multiwall Carbon Nanotubes Prepared by Reactive Ball Milling. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 502-508	1.3	