

Peter Nadazdy

List of Publications by Year in descending order

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29
papers

272
citations

840776

11
h-index

996975

15
g-index

29
all docs

29
docs citations

29
times ranked

431
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous measurement of X-ray scattering and photoluminescence during molecular deposition. <i>Journal of Luminescence</i> , 2022, 248, 118950.	3.1	1
2	Crystallization of 2D Hybrid Organic-Inorganic Perovskites Templated by Conductive Substrates. <i>Advanced Functional Materials</i> , 2021, 31, 2009007.	14.9	14
3	Orientation of Few-Layer MoS ₂ Films: In-Situ X-ray Scattering Study During Sulfurization. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9461-9468.	3.1	7
4	A high-throughput assembly of beam-shaping channel-cut monochromators for laboratory high-resolution X-ray diffraction and small-angle X-ray scattering experiments. <i>Journal of Applied Crystallography</i> , 2021, 54, 730-738.	4.5	0
5	Early-stage growth observations of orientation-controlled vacuum-deposited naphthyl end-capped oligothiophenes. <i>Physical Review Materials</i> , 2021, 5, .	2.4	5
6	Multipurpose diffractometer for <i>in situ</i> X-ray crystallography of functional materials. <i>Journal of Applied Crystallography</i> , 2021, 54, 914-923.	4.5	2
7	Structural and Trap-State Density Enhancement in Flash Infrared Annealed Perovskite Layers. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100355.	3.7	8
8	Directional Crystallization from the Melt of an Organic p-Type and n-Type Semiconductor Blend. <i>Crystal Growth and Design</i> , 2021, 21, 5231-5239.	3.0	8
9	3D networks of nanopores in alumina: Structural and optical properties. <i>Microporous and Mesoporous Materials</i> , 2021, 325, 111306.	4.4	2
10	Combined <i>in Situ</i> Photoluminescence and X-ray Scattering Reveals Defect Formation in Lead-Halide Perovskite Films. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10156-10162.	4.6	15
11	Novel highly substituted thiophene-based n-type organic semiconductor: structural study, optical anisotropy and molecular control. <i>CrystEngComm</i> , 2020, 22, 7095-7103.	2.6	2
12	3D Networks of Ge Quantum Wires in Amorphous Alumina Matrix. <i>Nanomaterials</i> , 2020, 10, 1363.	4.1	8
13	Correlation Between the Crystalline Phase of Molybdenum Oxide and Horizontal Alignment in Thin MoS ₂ Films. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19362-19367.	3.1	2
14	Simultaneous Monitoring of Molecular Thin Film Morphology and Crystal Structure by X-ray Scattering. <i>Crystal Growth and Design</i> , 2020, 20, 5269-5276.	3.0	5
15	Reorientation of π -conjugated molecules on few-layer MoS ₂ films. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3097-3104.	2.8	11
16	Controlled crystallinity and morphologies of 2D Ruddlesden-Popper perovskite films grown without anti-solvent for solar cells. <i>Chemical Engineering Journal</i> , 2020, 394, 124959.	12.7	33
17	Langmuir-Schaeffer Technique as a Method for Controlled Alignment of 1D Materials. <i>Langmuir</i> , 2020, 36, 4540-4547.	3.5	15
18	Effect of the doping of PC61BM electron transport layer with carbon nanodots on the performance of inverted planar MAPb3 perovskite solar cells. <i>Solar Energy</i> , 2019, 189, 426-434.	6.1	15

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19	Diindenoperylene thin-film structure on MoS2 monolayer. Applied Physics Letters, 2019, 114, .	3.3	14
20	Exploiting the potential of beam-compressing channel-cut monochromators for laboratory high-resolution small-angle X-ray scattering experiments. Journal of Applied Crystallography, 2019, 52, 498-506.	4.5	4
21	Tailoring the interparticle distance in Langmuir nanoparticle films. Physical Chemistry Chemical Physics, 2019, 21, 9553-9563.	2.8	9
22	An experimental and theoretical study of the structural ordering of the PTB7 polymer at a mesoscopic scale. Polymer, 2019, 169, 243-254.	3.8	11
23	Finishing of Ge nanomachined surfaces for X-ray crystal optics. International Journal of Advanced Manufacturing Technology, 2018, 96, 3603-3617.	3.0	5
24	Thickness Effect on Structural Defect-Related Density of States and Crystallinity in P3HT Thin Films on ITO Substrates. Journal of Physical Chemistry C, 2018, 122, 5881-5887.	3.1	22
25	On the formation of hydrophobic carbon quantum dots Langmuir films and their transfer onto solid substrates. Diamond and Related Materials, 2018, 83, 170-176.	3.9	10
26	Real-Time Monitoring of Growth and Orientational Alignment of Pentacene on Epitaxial Graphene for Organic Electronics. ACS Applied Nano Materials, 2018, 1, 2819-2826.	5.0	21
27	Kinetics of Polymer-Fullerene Phase Separation during Solvent Annealing Studied by Table-Top X-ray Scattering. ACS Applied Materials & Interfaces, 2017, 9, 8241-8247.	8.0	11
28	Effect of alkyl side chains on properties and organic transistor performance of 2,6-bis(2,2'-bithiophen-5-yl)naphthalene. Synthetic Metals, 2017, 233, 1-14.	3.9	12
29	Defect Formation During the Halide Perovskite Growth: Timing is the Way to Effective Passivation. , 0, , .		0