

Peter Nadazdy

List of Publications by Year in descending order

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papers

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840776

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Thickness Effect on Structural Defect-Related Density of States and Crystallinity in P3HT Thin Films on ITO Substrates. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5881-5887.	3.1	22
3	Real-Time Monitoring of Growth and Orientational Alignment of Pentacene on Epitaxial Graphene for Organic Electronics. <i>ACS Applied Nano Materials</i> , 2018, 1, 2819-2826.	5.0	21
4	Effect of the doping of PC61BM electron transport layer with carbon nanodots on the performance of inverted planar MAPbI ₃ perovskite solar cells. <i>Solar Energy</i> , 2019, 189, 426-434.	6.1	15
5	Langmuir-Schaeffer Technique as a Method for Controlled Alignment of 1D Materials. <i>Langmuir</i> , 2020, 36, 4540-4547.	3.5	15
6	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
7	Diindenoperylene thin-film structure on MoS ₂ monolayer. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	14
8	Crystallization of 2D Hybrid Organic-Inorganic Perovskites Templated by Conductive Substrates. <i>Advanced Functional Materials</i> , 2021, 31, 2009007.	14.9	14
9	Effect of alkyl side chains on properties and organic transistor performance of 2,6-bis(2,2'-bithiophen-5-yl)naphthalene. <i>Synthetic Metals</i> , 2017, 233, 1-14.	3.9	12
10	Kinetics of Polymer-Fullerene Phase Separation during Solvent Annealing Studied by Table-Top X-ray Scattering. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8241-8247.	8.0	11
11	An experimental and theoretical study of the structural ordering of the PTB7 polymer at a mesoscopic scale. <i>Polymer</i> , 2019, 169, 243-254.	3.8	11
12	Reorientation of π -conjugated molecules on few-layer MoS ₂ films. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3097-3104.	2.8	11
13	On the formation of hydrophobic carbon quantum dots Langmuir films and their transfer onto solid substrates. <i>Diamond and Related Materials</i> , 2018, 83, 170-176.	3.9	10
14	Tailoring the interparticle distance in Langmuir nanoparticle films. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 9553-9563.	2.8	9
15	3D Networks of Ge Quantum Wires in Amorphous Alumina Matrix. <i>Nanomaterials</i> , 2020, 10, 1363.	4.1	8
16	Structural and Trap-State Density Enhancement in Flash Infrared Annealed Perovskite Layers. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100355.	3.7	8
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Finishing of Ge nanomachined surfaces for X-ray crystal optics. International Journal of Advanced Manufacturing Technology, 2018, 96, 3603-3617.	3.0	5
20	Simultaneous Monitoring of Molecular Thin Film Morphology and Crystal Structure by X-ray Scattering. Crystal Growth and Design, 2020, 20, 5269-5276.	3.0	5
21	Early-stage growth observations of orientation-controlled vacuum-deposited naphthyl end-capped oligothiophenes. Physical Review Materials, 2021, 5, .	2.4	5
22	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
23	Novel highly substituted thiophene-based n-type organic semiconductor: structural study, optical anisotropy and molecular control. CrystEngComm, 2020, 22, 7095-7103.	2.6	2
24	Correlation Between the Crystalline Phase of Molybdenum Oxide and Horizontal Alignment in Thin MoS ₂ Films. Journal of Physical Chemistry C, 2020, 124, 19362-19367.	3.1	2
25	Multipurpose diffractometer for <i>in situ</i> X-ray crystallography of functional materials. Journal of Applied Crystallography, 2021, 54, 914-923.	4.5	2
26	3D networks of nanopores in alumina: Structural and optical properties. Microporous and Mesoporous Materials, 2021, 325, 111306.	4.4	2
27	Simultaneous measurement of X-ray scattering and photoluminescence during molecular deposition. Journal of Luminescence, 2022, 248, 118950.	3.1	1
28	A high-throughput assembly of beam-shaping channel-cut monochromators for laboratory high-resolution X-ray diffraction and small-angle X-ray scattering experiments. Journal of Applied Crystallography, 2021, 54, 730-738.	4.5	0
29	Defect Formation During the Halide Perovskite Growth: Timing is the Way to Effective Passivation. , 0, , .		0