

Connor G Bischak

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

3,093
citations

516215

16
h-index

580395

25
g-index

30
all docs

30
docs citations

30
times ranked

5653
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling Spatial Crystallization Uniformity and Phase Orientation of Quasi-2D Perovskite-Based Light-Emitting Diodes Using Lewis Bases. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901860.	1.9	11
2	Liquid-like Interfaces Mediate Structural Phase Transitions in Lead Halide Perovskites. <i>Matter</i> , 2020, 3, 534-545.	5.0	42
3	Charging-driven coarsening and melting of a colloidal nanoparticle monolayer at an ionic liquid-vacuum interface. <i>Soft Matter</i> , 2020, 16, 9578-9589.	1.2	1
4	Resolving Enhanced Mn ²⁺ Luminescence near the Surface of CsPbCl ₃ with Time-Resolved Cathodoluminescence Imaging. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2624-2629.	2.1	7
5	A Reversible Structural Phase Transition by Electrochemically-Driven Ion Injection into a Conjugated Polymer. <i>Journal of the American Chemical Society</i> , 2020, 142, 7434-7442.	6.6	74
6	Ion Exchange Gels Allow Organic Electrochemical Transistor Operation with Hydrophobic Polymers in Aqueous Solution. <i>Advanced Materials</i> , 2020, 32, e2002610.	11.1	61
7	Significance of Ambient Temperature Control for Highly Reproducible Layered Perovskite Light-Emitting Diodes. <i>ACS Photonics</i> , 2020, 7, 2489-2497.	3.2	15
8	Quasi-2D Perovskites: Controlling Spatial Crystallization Uniformity and Phase Orientation of Quasi-2D Perovskite-Based Light-Emitting Diodes Using Lewis Bases (<i>Adv. Mater. Interfaces</i> 2/2020). <i>Advanced Materials Interfaces</i> , 2020, 7, 2070017.	1.9	1
9	P-Type Electrochemical Doping Can Occur by Cation Expulsion in a High-Performing Polymer for Organic Electrochemical Transistors. , 2020, 2, 254-260.		53
10	Fullerene Active Layers for n-Type Organic Electrochemical Transistors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28138-28144.	4.0	70
11	Polymer Crystallinity Controls Water Uptake in Glycol Side-Chain Polymer Organic Electrochemical Transistors. <i>Journal of the American Chemical Society</i> , 2019, 141, 4345-4354.	6.6	179
12	Intrinsic anion diffusivity in lead halide perovskites is facilitated by a soft lattice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11929-11934.	3.3	153
13	Tunable Polaron Distortions Control the Extent of Halide Demixing in Lead Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3998-4005.	2.1	129
14	Phase-transition-induced p-n junction in single halide perovskite nanowire. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8889-8894.	3.3	48
15	Origin of Reversible Photoinduced Phase Separation in Hybrid Perovskites. <i>Nano Letters</i> , 2017, 17, 1028-1033.	4.5	529
16	Structural, optical, and electrical properties of phase-controlled cesium lead iodide nanowires. <i>Nano Research</i> , 2017, 10, 1107-1114.	5.8	128
17	Noninvasive Cathodoluminescence-Activated Nanoimaging of Dynamic Processes in Liquids. <i>ACS Nano</i> , 2017, 11, 10583-10590.	7.3	6
18	Spatially resolved multicolor CsPbX ₃ nanowire heterojunctions via anion exchange. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7216-7221.	3.3	178

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19	Protein-water dynamics in antifreeze protein III activity. <i>Chemical Physics Letters</i> , 2016, 647, 1-6.	1.2	25
20	Superresolution Fluorescence Microscopy within a Scanning Electron Microscope. <i>Biophysical Journal</i> , 2015, 108, 190a-191a.	0.2	0
21	Super Resolution Fluorescence Microscopy by Cathodoluminescence-Activated Excitation. <i>Biophysical Journal</i> , 2015, 108, 36a.	0.2	0
22	Heterogeneous Charge Carrier Dynamics in Organic-Inorganic Hybrid Materials: Nanoscale Lateral and Depth-Dependent Variation of Recombination Rates in Methylammonium Lead Halide Perovskite Thin Films. <i>Nano Letters</i> , 2015, 15, 4799-4807.	4.5	128
23	Cathodoluminescence-Activated Nanoimaging: Noninvasive Near-Field Optical Microscopy in an Electron Microscope. <i>Nano Letters</i> , 2015, 15, 3383-3390.	4.5	20
24	Atomically thin two-dimensional organic-inorganic hybrid perovskites. <i>Science</i> , 2015, 349, 1518-1521.	6.0	1,159
25	Dynamic Asymmetry and the Role of the Conserved Active-Site Thiol in Rabbit Muscle Creatine Kinase. <i>Biochemistry</i> , 2015, 54, 83-95.	1.2	14
26	Cathodoluminescence-Activated Imaging by Resonance Energy Transfer: A New Approach to Imaging Nanoscale Aqueous Biodynamics. <i>Biophysical Journal</i> , 2014, 106, 402a.	0.2	2
27	Bright Cathodoluminescent Thin Films for Scanning Nano-Optical Excitation and Imaging. <i>ACS Nano</i> , 2013, 7, 10397-10404.	7.3	13
28	Using Covalently Attached Thiocyanate as a Site-Specific Infrared Probe to Characterize a Disorder-To-Order Transition of the Intrinsically Disordered C-terminal Domain of the Measles Virus (NTAIL). <i>Biophysical Journal</i> , 2010, 98, 654a.	0.2	0
29	Probing Structural Transitions in the Intrinsically Disordered C-Terminal Domain of the Measles Virus Nucleoprotein by Vibrational Spectroscopy of S^{C} -Cyanylated Cysteines. <i>Biophysical Journal</i> , 2010, 99, 1676-1683.	0.2	47
30	Resolving Carrier Dynamics in Metal Halide Perovskites to Elucidate Structural Transformation Mechanisms and the Impact of Structural Heterogeneity on Transport. , 0, , .		0