Connor G Bischak

List of Publications by Year
in descending order

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30 papers	3,093 citations	516710 16 h-index	580821 25 g-index
30 all docs	30 docs citations	30 times ranked	5653 citing authors

#	Article	IF	Citations
1	Atomically thin two-dimensional organic-inorganic hybrid perovskites. Science, 2015, 349, 1518-1521.	12.6	1,159
2	Origin of Reversible Photoinduced Phase Separation in Hybrid Perovskites. Nano Letters, 2017, 17, 1028-1033.	9.1	529
3	Polymer Crystallinity Controls Water Uptake in Glycol Side-Chain Polymer Organic Electrochemical Transistors. Journal of the American Chemical Society, 2019, 141, 4345-4354.	13.7	179
4	Spatially resolved multicolor CsPbX ₃ nanowire heterojunctions via anion exchange. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7216-7221.	7.1	178
5	Intrinsic anion diffusivity in lead halide perovskites is facilitated by a soft lattice. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11929-11934.	7.1	153
6	Tunable Polaron Distortions Control the Extent of Halide Demixing in Lead Halide Perovskites. Journal of Physical Chemistry Letters, 2018, 9, 3998-4005.	4.6	129
7	Heterogeneous Charge Carrier Dynamics in Organicâ€“Inorganic Hybrid Materials: Nanoscale Lateral and Depth-Dependent Variation of Recombination Rates in Methylammonium Lead Halide Perovskite Thin Films. Nano Letters, 2015, 15, 4799-4807.	9.1	128
8	Structural, optical, and electrical properties of phase-controlled cesium lead iodide nanowires. Nano Research, 2017, 10, 1107-1114.	10.4	128
9	A Reversible Structural Phase Transition by Electrochemically-Driven Ion Injection into a Conjugated Polymer. Journal of the American Chemical Society, 2020, 142, 7434-7442.	13.7	74
10	Fullerene Active Layers for n-Type Organic Electrochemical Transistors. ACS Applied Materials & Interfaces, 2019, 11, 28138-28144.	8.0	70
11	Ion Exchange Gels Allow Organic Electrochemical Transistor Operation with Hydrophobic Polymers in Aqueous Solution. Advanced Materials, 2020, 32, e2002610.	21.0	61
12	P-Type Electrochemical Doping Can Occur by Cation Expulsion in a High-Performing Polymer for Organic Electrochemical Transistors. , 2020, 2, 254-260.		53
13	Phase-transitionâ€“induced p-n junction in single halide perovskite nanowire. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8889-8894.	7.1	48
14	Probing Structural Transitions in the Intrinsically Disordered C-Terminal Domain of the Measles Virus Nucleoprotein by Vibrational Spectroscopy ofÂCyanylated Cysteines. Biophysical Journal, 2010, 99, 1676-1683.	0.5	47
15	Liquid-like Interfaces Mediate Structural Phase Transitions in Lead Halide Perovskites. Matter, 2020, 3, 534-545.	10.0	42
16	Proteinâ€“water dynamics in antifreeze protein III activity. Chemical Physics Letters, 2016, 647, 1-6.	2.6	25
17	Cathodoluminescence-Activated Nanoimaging: Noninvasive Near-Field Optical Microscopy in an Electron Microscope. Nano Letters, 2015, 15, 3383-3390.	9.1	20
18	Significance of Ambient Temperature Control for Highly Reproducible Layered Perovskite Light-Emitting Diodes. ACS Photonics, 2020, 7, 2489-2497.	6.6	15

#	Article	IF	Citations
19	Dynamic Asymmetry and the Role of the Conserved Active-Site Thiol in Rabbit Muscle Creatine Kinase. Biochemistry, 2015, 54, 83-95.	2.5	14
20	Bright Cathodoluminescent Thin Films for Scanning Nano-Optical Excitation and Imaging. ACS Nano, 2013, 7, 10397-10404.	14.6	13
21	Controlling Spatial Crystallization Uniformity and Phase Orientation of Quasiâ€2D Perovskiteâ€Based Lightâ€Emitting Diodes Using Lewis Bases. Advanced Materials Interfaces, 2020, 7, 1901860.	3.7	11
22	Resolving Enhanced Mn²⁺ Luminescence near the Surface of CsPbCl₃ with Time-Resolved Cathodoluminescence Imaging. Journal of Physical Chemistry Letters, 2020, 11, 2624-2629.	4.6	7
23	Noninvasive Cathodoluminescence-Activated Nanoimaging of Dynamic Processes in Liquids. ACS Nano, 2017, 11, 10583-10590.	14.6	6
24	Cathodoluminescence-Activated Imaging by Resonance Energy Transfer: A New Approach to Imaging Nanoscale Aqueous Biodynamics. Biophysical Journal, 2014, 106, 402a.	0.5	2
25	Charging-driven coarsening and melting of a colloidal nanoparticle monolayer at an ionic liquidâ€vacuum interface. Soft Matter, 2020, 16, 9578-9589.	2.7	1
26	Quasiâ€2D Perovskites: Controlling Spatial Crystallization Uniformity and Phase Orientation of Quasiâ€2D Perovskiteâ€Based Lightâ€Emitting Diodes Using Lewis Bases (Adv. Mater. Interfaces 2/2020). Advanced Materials Interfaces, 2020, 7, 2070017.	3.7	1
27	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). Biophysical Journal, 2010, 98, 654a.	0.5	0
28	Superresolution Fluorescence Microscopy within a Scanning Electron Microscope. Biophysical Journal, 2015, 108, 190a-191a.	0.5	0
29	Super Resolution Fluorescence Microscopy by Cathodoluminescence-Activated Excitation. Biophysical Journal, 2015, 108, 36a.	0.5	0
30	Resolving Carrier Dynamics in Metal Halide Perovskites to Elucidate Structural Transformation Mechanisms and the Impact of Structural Heterogeneity on Transport. , 0, , .		0