Naomi S Ginsberg

List of Publications by Year
in descending order

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50 papers	4,465 citations	159585 30 h-index	214800 47 g-index
50 all docs	50 docs citations	50 times ranked	7089 citing authors

#	Article	IF	Citations
1	Self-assembly of nanocrystals into strongly electronically coupled all-inorganic supercrystals. Science, 2022, 375, 1422-1426.	12.6	57
2	Busting through quantum dot barriers. Nature Materials, 2022, 21, 497-499.	27.5	3
3	Nanoscale Disorder Generates Subdiffusive Heat Transport in Self-Assembled Nanocrystal Films. Nano Letters, 2021, 21, 3540-3547.	9.1	7
4	Spatially Resolved Photogenerated Exciton and Charge Transport in Emerging Semiconductors. Annual Review of Physical Chemistry, 2020, 71, 1-30.	10.8	95
5	Imaging material functionality through three-dimensional nanoscale tracking of energy flow. Nature Materials, 2020, 19, 56-62.	27.5	87
6	Liquid-like Interfaces Mediate Structural Phase Transitions in Lead Halide Perovskites. Matter, 2020, 3, 534-545.	10.0	42
7	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
8	Photoinduced phase separation in the lead halides is a polaronic effect. Journal of Chemical Physics, 2020, 152, 230901.	3.0	41
9	Direct Correlation of Single-Particle Motion to Amorphous Microstructural Components of Semicrystalline Poly(ethylene oxide) Electrolytic Films. Journal of Physical Chemistry Letters, 2020, 11, 4849-4858.	4.6	5
10	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
11	Nonequilibrium Thermodynamics of Colloidal Gold Nanocrystals Monitored by Ultrafast Electron Diffraction and Optical Scattering Microscopy. ACS Nano, 2020, 14, 4792-4804.	14.6	20
12	Effect of Anisotropic Confinement on Electronic Structure and Dynamics of Band Edge Excitons in Inorganic Perovskite Nanowires. Journal of Physical Chemistry A, 2020, 124, 1867-1876.	2.5	33
13	Carrier Diffusion Lengths Exceeding 1 Î¼m Despite Trap-Limited Transport in Halide Double Perovskites. ACS Energy Letters, 2020, 5, 1337-1345.	17.4	58
14	Photovoltaics and bio-inspired light harvesting: general discussion. Faraday Discussions, 2019, 216, 269-300.	3.2	0
15	Photo-induced electron transfer: general discussion. Faraday Discussions, 2019, 216, 434-459.	3.2	0
16	Energy and charge-transfer in natural photosynthesis: general discussion. Faraday Discussions, 2019, 216, 133-161.	3.2	1
17	Spectrally Resolved Photodynamics of Individual Emitters in Large-Area Monolayers of Hexagonal Boron Nitride. ACS Nano, 2019, 13, 4538-4547.	14.6	47
18	Long-Lived Correlated Triplet Pairs in a Ï€-Stacked Crystalline Pentacene Derivative. Journal of the American Chemical Society, 2018, 140, 2326-2335.	13.7	68

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19	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
20	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
21	Exploiting Chromophoreâ€“Protein Interactions through Linker Engineering To Tune Photoinduced Dynamics in a Biomimetic Light-Harvesting Platform. Journal of the American Chemical Society, 2018, 140, 6278-6287.	13.7	35
22	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
23	Origin of Reversible Photoinduced Phase Separation in Hybrid Perovskites. Nano Letters, 2017, 17, 1028-1033.	9.1	529
24	Structural, optical, and electrical properties of phase-controlled cesium lead iodide nanowires. Nano Research, 2017, 10, 1107-1114.	10.4	128
25	Tuning Thermally Activated Delayed Fluorescence Emitter Photophysics through Solvation in the Solid State. ACS Energy Letters, 2017, 2, 1526-1533.	17.4	49
26	Noninvasive Cathodoluminescence-Activated Nanoimaging of Dynamic Processes in Liquids. ACS Nano, 2017, 11, 10583-10590.	14.6	6
27	Resolving and Controlling Photoinduced Ultrafast Solvation in the Solid State. Journal of Physical Chemistry Letters, 2017, 8, 4183-4190.	4.6	18
28	Resolving ultrafast exciton migration in organic solids at the nanoscale. Nature Materials, 2017, 16, 1136-1141.	27.5	41
29	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
30	Uncovering Single-Molecule Photophysical Heterogeneity of Bright, Thermally Activated Delayed Fluorescence Emitters Dispersed in Glassy Hosts. Journal of the American Chemical Society, 2016, 138, 13551-13560.	13.7	28
31	Exciton dynamics reveal aggregates with intermolecular order at hidden interfaces in solution-cast organic semiconducting films. Nature Communications, 2015, 6, 5946.	12.8	48
32	Manipulating Excited-State Dynamics of Individual Light-Harvesting Chromophores through Restricted Motions in a Hydrated Nanoscale Protein Cavity. Journal of Physical Chemistry B, 2015, 119, 6963-6973.	2.6	11
33	Bringing Far-Field Subdiffraction Optical Imaging to Electronically Coupled Optoelectronic Molecular Materials Using Their Endogenous Chromophores. Journal of Physical Chemistry Letters, 2015, 6, 2767-2772.	4.6	10
34	Discerning Variable Extents of Interdomain Orientational and Structural Heterogeneity in Solution-Cast Polycrystalline Organic Semiconducting Thin Films. Journal of Physical Chemistry Letters, 2015, 6, 3155-3162.	4.6	16
35	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
36	Cathodoluminescence-Activated Nanoimaging: Noninvasive Near-Field Optical Microscopy in an Electron Microscope. Nano Letters, 2015, 15, 3383-3390.	9.1	20

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37	Atomically thin two-dimensional organic-inorganic hybrid perovskites. Science, 2015, 349, 1518-1521.	12.6	1,159
38	Relating the Physical Structure and Optoelectronic Function of Crystalline TIPSâ€Pentacene. Advanced Functional Materials, 2015, 25, 2038-2046.	14.9	77
39	Cathodoluminescence-Activated Imaging by Resonance Energy Transfer: A New Approach to Imaging Nanoscale Aqueous Biodynamics. Biophysical Journal, 2014, 106, 402a.	0.5	2
40	Revealing Exciton Dynamics in a Small-Molecule Organic Semiconducting Film with Subdomain Transient Absorption Microscopy. Journal of Physical Chemistry C, 2013, 117, 22111-22122.	3.1	54
41	Bright Cathodoluminescent Thin Films for Scanning Nano-Optical Excitation and Imaging. ACS Nano, 2013, 7, 10397-10404.	14.6	13
42	Elucidation of the timescales and origins of quantum electronic coherence in LHCII. Nature Chemistry, 2012, 4, 389-395.	13.6	156
43	Solving structure in the CP29 light harvesting complex with polarization-phased 2D electronic spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3848-3853.	7.1	47
44	Spectroscopic elucidation of uncoupled transition energies in the major photosynthetic light-harvesting complex, LHCII. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13276-13281.	7.1	62
45	Quantum Coherence Enabled Determination of the Energy Landscape in Light-Harvesting Complex II. Journal of Physical Chemistry B, 2009, 113, 16291-16295.	2.6	266
46	Pathways of Energy Flow in LHCII from Two-Dimensional Electronic Spectroscopy. Journal of Physical Chemistry B, 2009, 113, 15352-15363.	2.6	175
47	Two-Dimensional Electronic Spectroscopy of Molecular Aggregates. Accounts of Chemical Research, 2009, 42, 1352-1363.	15.6	158
48	Coherent control of optical information with matter wave dynamics. Nature, 2007, 445, 623-626.	27.8	119
49	The art of taming light: ultra-slow and stopped light. Europhysics News, 2004, 35, 33-39.	0.3	30
50	Resolving Carrier Dynamics in Metal Halide Perovskites to Elucidate Structural Transformation Mechanisms and the Impact of Structural Heterogeneity on Transport. , 0, , .		0