

Minh Tuan Trinh

List of Publications by Year in descending order

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50
papers

8,228
citations

186265

28
h-index

214800

47
g-index

50
all docs

50
docs citations

50
times ranked

11715
citing authors

#	ARTICLE	IF	CITATIONS
1	Lead halide perovskite nanowire lasers with low lasing thresholds and high quality factors. <i>Nature Materials</i> , 2015, 14, 636-642.	27.5	2,392
2	Trap States in Lead Iodide Perovskites. <i>Journal of the American Chemical Society</i> , 2015, 137, 2089-2096.	13.7	813
3	Molecular helices as electron acceptors in high-performance bulk heterojunction solar cells. <i>Nature Communications</i> , 2015, 6, 8242.	12.8	525
4	Large polarons in lead halide perovskites. <i>Science Advances</i> , 2017, 3, e1701217.	10.3	515
5	Mechanism for Broadband White-Light Emission from Two-Dimensional (110) Hybrid Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2258-2263.	4.6	428
6	Efficient Organic Solar Cells with Helical Perylene Diimide Electron Acceptors. <i>Journal of the American Chemical Society</i> , 2014, 136, 15215-15221.	13.7	414
7	Quantitative Intramolecular Singlet Fission in Bipentacenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 8965-8972.	13.7	324
8	Photogeneration and Ultrafast Dynamics of Excitons and Charges in P3HT/PCBM Blends. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14500-14506.	3.1	304
9	In Spite of Recent Doubts Carrier Multiplication Does Occur in PbSe Nanocrystals. <i>Nano Letters</i> , 2008, 8, 1713-1718.	9.1	291
10	Helical Ribbons for Molecular Electronics. <i>Journal of the American Chemical Society</i> , 2014, 136, 8122-8130.	13.7	243
11	Excitonic Many-Body Interactions in Two-Dimensional Lead Iodide Perovskite Quantum Wells. <i>Journal of Physical Chemistry C</i> , 2015, 119, 14714-14721.	3.1	198
12	Direct generation of multiple excitons in adjacent silicon nanocrystals revealed by induced absorption. <i>Nature Photonics</i> , 2012, 6, 316-321.	31.4	173
13	Organic Cations Might Not Be Essential to the Remarkable Properties of Band Edge Carriers in Lead Halide Perovskites. <i>Advanced Materials</i> , 2017, 29, 1603072.	21.0	166
14	Long, Atomically Precise Donor-Acceptor Cove-Edge Nanoribbons as Electron Acceptors. <i>Journal of the American Chemical Society</i> , 2017, 139, 5648-5651.	13.7	150
15	Light-induced picosecond rotational disordering of the inorganic sublattice in hybrid perovskites. <i>Science Advances</i> , 2017, 3, e1602388.	10.3	149
16	Many-body interactions in photo-excited lead iodide perovskite. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9285-9290.	10.3	144
17	Persistent Energetic Electrons in Methylammonium Lead Iodide Perovskite Thin Films. <i>Journal of the American Chemical Society</i> , 2016, 138, 15717-15726.	13.7	107
18	Distinct properties of the triplet pair state from singlet fission. <i>Science Advances</i> , 2017, 3, e1700241.	10.3	102

#	ARTICLE	IF	CITATIONS
19	Rigid, Conjugated Macrocycles for High Performance Organic Photodetectors. Journal of the American Chemical Society, 2016, 138, 16426-16431.	13.7	98
20	Enhanced Hot-Carrier Cooling and Ultrafast Spectral Diffusion in Strongly Coupled PbSe Quantum-Dot Solids. Nano Letters, 2011, 11, 5471-5476.	9.1	71
21	Intra- to Intermolecular Singlet Fission. Journal of Physical Chemistry C, 2015, 119, 1312-1319.	3.1	65
22	Anomalous Independence of Multiple Exciton Generation on Different Group IV-VI Quantum Dot Architectures. Nano Letters, 2011, 11, 1623-1629.	9.1	61
23	Nature of the Second Optical Transition in PbSe Nanocrystals. Nano Letters, 2008, 8, 2112-2117.	9.1	59
24	van der Waals Solids from Self-Assembled Nanoscale Building Blocks. Nano Letters, 2016, 16, 1445-1449.	9.1	56
25	Single-crystal-to-single-crystal intercalation of a low-bandgap superatomic crystal. Nature Chemistry, 2017, 9, 1170-1174.	13.6	56
26	A Hot Electron-Hole Pair Breaks the Symmetry of a Semiconductor Quantum Dot. Nano Letters, 2013, 13, 6091-6097.	9.1	51
27	Experimental Investigations and Modeling of Auger Recombination in Silicon Nanocrystals. Journal of Physical Chemistry C, 2013, 117, 5963-5968.	3.1	42
28	Sequential oligodiacetylene formation for progressive luminescent color conversion via co-micellar strategy. Chemical Science, 2016, 7, 2058-2065.	7.4	34
29	Dramatic Enhancement of Photoluminescence Quantum Yields for Surface-Engineered Si Nanocrystals within the Solar Spectrum. Advanced Functional Materials, 2013, 23, 6051-6058.	14.9	26
30	Strain-Induced Stereoselective Formation of Blue-Emitting Cyclostilbenes. Journal of the American Chemical Society, 2015, 137, 12282-12288.	13.7	20
31	Photophysical Properties of Functionalized Double Decker Phenylsilsesquioxane Macromonomers: [PhSiO _{1.5}] ₈ [OSiMe ₂] ₂ and [PhSiO _{1.5}] ₈ [O _{0.5} SiMe ₃] ₄ . Cage-Centered Lowest Unoccupied Molecular Orbitals Form Even When Two Cage Edge Bridges Are Removed, Verified by Modeling and Ultrafast Magnetic Light Scattering Experiments. Macromolecules, 2019, 52, 7412-7422.	4.8	17
32	Probing formally forbidden optical transitions in PbSe nanocrystals by time- and energy-resolved transient absorption spectroscopy. Physical Review B, 2009, 80, .	3.2	16
33	Thermally stimulated exciton emission in Si nanocrystals. Light: Science and Applications, 2018, 7, 17133-17133.	16.6	15
34	Photophysical Properties of Partially Functionalized Phenylsilsesquioxane: [RSiO _{1.5}] ₇ [Me/nPrSiO _{1.5}] and [RSiO _{1.5}] ₇ [O _{0.5} SiMe ₃] ₃ (R =) Tj ETQq0 0 0 rgB4.0 Overlock 4.0 Tf 50	4.0	14
35	Tuning SPP propagation length of hybrid plasmonic waveguide by manipulating evanescent field. Optics Communications, 2020, 462, 125335.	2.1	14
36	Spin Seebeck Effect in Iron Oxide Thin Films: Effects of Phase Transition, Phase Coexistence, And Surface Magnetism. ACS Applied Materials & Interfaces, 2022, 14, 13468-13479.	8.0	11

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37	Three-mode multiplexer and demultiplexer utilizing trident and multimode couplers. Optics Communications, 2019, 435, 334-340.	2.1	10
38	A perspective on two-dimensional van der Waals opto-spin-caloritronics. Applied Physics Letters, 2021, 119, .	3.3	10
39	On-chip silicon photonic controllable 2 nd four-mode waveguide switch. Scientific Reports, 2021, 11, 897.	3.3	9
40	Nonvolatile two-color holographic recording in Tm-doped near-stoichiometric LiNbO ₃ . Optics Communications, 2005, 248, 89-96.	2.1	7
41	Observation of magneto-electric rectification at non-relativistic intensities. Nature Communications, 2020, 11, 5296.	12.8	6
42	Spectral Change in Silver-Doped Sodium-Borate Glass by Using Femtosecond Laser Irradiation. Journal of the Korean Physical Society, 2008, 52, 1665-1668.	0.7	5
43	Optical torque induces magnetism at the molecular level. Optics Express, 2019, 27, 21295.	3.4	4
44	Elastically induced magnetization at ultrafast time scales in a chiral helimagnet. Physical Review B, 2022, 106, .	3.2	4
45	Numerical investigation of polarization insensitive two-mode division (De)multiplexer based on an asymmetric directional coupler. Photonics and Nanostructures - Fundamentals and Applications, 2017, 23, 50-57.	2.0	3
46	Triple-wavelength filter based on the nanoplasmonic metal-insulator-metal waveguides. Optical and Quantum Electronics, 2021, 53, 1.	3.3	3
47	Bright and Dark Exciton Coherent Coupling and Hybridization Enabled by External Magnetic Fields. Nano Letters, 2022, 22, 1680-1687.	9.1	3
48	Tunable Hybrid Gap Surface Plasmon Polariton Waveguides with Ultralow Loss Deep-Subwavelength Propagation. Plasmonics, 2019, 14, 1751-1763.	3.4	0
49	First Observations of Ultrafast Magneto-electric Charge Separation and Induced Molecular Rotations. , 2019, , .		0
50	Numerical design and optimization of a high compact, broadband optical three-mode selective converter by manipulating ITO-based controllable phase shifters integrated on silicon-on-insulator waveguides. Optical Engineering, 2021, 60, .	1.0	0