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	Bright and Dark Exciton Coherent Coupling and Hybridization Enabled by External Magnetic Fields. Nano Letters, 2022, 22, 1680-1687.	9.1	3
2	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
3	Elastically induced magnetization at ultrafast time scales in a chiral helimagnet. Physical Review B, 2022, 106, .	3.2	4
4	On-chip silicon photonic controllable 2â€‰Ã—â€‰2 four-mode waveguide switch. Scientific Reports, 2021, 11, 897.	3.3	9
5	Triple-wavelength filter based on the nanoplasmonic metal-insulator-metal waveguides. Optical and Quantum Electronics, 2021, 53, 1.	3.3	3
6	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
7	A perspective on two-dimensional van der Waals opto-spin-caloritronics. Applied Physics Letters, 2021, 119, .	3.3	10
8	Observation of magneto-electric rectification at non-relativistic intensities. Nature Communications, 2020, 11, 5296.	12.8	6
9	Tuning SPP propagation length of hybrid plasmonic waveguide by manipulating evanescent field. Optics Communications, 2020, 462, 125335.	2.1	14
10	Photophysical Properties of Functionalized Double Decker Phenylsilsesquioxane Macromonomers: [PhSiO_{1.5}]₈[OSiMe₂]₂ and [PhSiO_{1.5}]₈[O_{0.5}SiMe₃]₄. Cage-Centered Lowest Unoccupied Molecular Orbitals Form Even When Two Cage Edge Bridges Are Removed, Verified Photophysical Properties of Vinyl Functionalized Phenylsilsesquioxane Macromolecules, 2019, 52, 7413-7422.	4.8	17
11	[RSiO_{1.5}]₇[Me/nPrSiO_{1.5}] and [RSiO_{1.5}]₇[O_{0.5}SiMe₃]₃ (R =) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.4	10
12	Tunable Hybrid Gap Surface Plasmon Polariton Waveguides with Ultralow Loss Deep-Subwavelength Propagation. Plasmonics, 2019, 14, 1751-1763.	3.4	0
13	Three-mode multiplexer and demultiplexer utilizing trident and multimode couplers. Optics Communications, 2019, 435, 334-340.	2.1	10
14	Optical torque induces magnetism at the molecular level. Optics Express, 2019, 27, 21295.	3.4	4
15	First Observations of Ultrafast Magneto-electric Charge Separation and Induced Molecular Rotations. , 2019, , .		0
16	Thermally stimulated exciton emission in Si nanocrystals. Light: Science and Applications, 2018, 7, 17133-17133.	16.6	15
17	Long, Atomically Precise Donorâ€“Acceptor Cove-Edge Nanoribbons as Electron Acceptors. Journal of the American Chemical Society, 2017, 139, 5648-5651.	13.7	150
18	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

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19	Light-induced picosecond rotational disordering of the inorganic sublattice in hybrid perovskites. Science Advances, 2017, 3, e1602388.	10.3	149
20	Distinct properties of the triplet pair state from singlet fission. Science Advances, 2017, 3, e1700241.	10.3	102
21	Large polarons in lead halide perovskites. Science Advances, 2017, 3, e1701217.	10.3	515
22	Single-crystal-to-single-crystal intercalation of a low-bandgap superatomic crystal. Nature Chemistry, 2017, 9, 1170-1174.	13.6	56
23	Organic Cations Might Not Be Essential to the Remarkable Properties of Band Edge Carriers in Lead Halide Perovskites. Advanced Materials, 2017, 29, 1603072.	21.0	166
24	Rigid, Conjugated Macrocycles for High Performance Organic Photodetectors. Journal of the American Chemical Society, 2016, 138, 16426-16431.	13.7	98
25	Persistent Energetic Electrons in Methylammonium Lead Iodide Perovskite Thin Films. Journal of the American Chemical Society, 2016, 138, 15717-15726.	13.7	107
26	Mechanism for Broadband White-Light Emission from Two-Dimensional (110) Hybrid Perovskites. Journal of Physical Chemistry Letters, 2016, 7, 2258-2263.	4.6	428
27	van der Waals Solids from Self-Assembled Nanoscale Building Blocks. Nano Letters, 2016, 16, 1445-1449.	9.1	56
28	Sequential oligodiacetylene formation for progressive luminescent color conversion via co-micellar strategy. Chemical Science, 2016, 7, 2058-2065.	7.4	34
29	Intra- to Intermolecular Singlet Fission. Journal of Physical Chemistry C, 2015, 119, 1312-1319.	3.1	65
30	Trap States in Lead Iodide Perovskites. Journal of the American Chemical Society, 2015, 137, 2089-2096.	13.7	813
31	Many-body interactions in photo-excited lead iodide perovskite. Journal of Materials Chemistry A, 2015, 3, 9285-9290.	10.3	144
32	Excitonic Many-Body Interactions in Two-Dimensional Lead Iodide Perovskite Quantum Wells. Journal of Physical Chemistry C, 2015, 119, 14714-14721.	3.1	198
33	Quantitative Intramolecular Singlet Fission in Bipentacenes. Journal of the American Chemical Society, 2015, 137, 8965-8972.	13.7	324
34	Lead halide perovskite nanowire lasers with low lasing thresholds and high quality factors. Nature Materials, 2015, 14, 636-642.	27.5	2,392
35	Strain-Induced Stereoselective Formation of Blue-Emitting Cyclostilbenes. Journal of the American Chemical Society, 2015, 137, 12282-12288.	13.7	20
36	Molecular helices as electron acceptors in high-performance bulk heterojunction solar cells. Nature Communications, 2015, 6, 8242.	12.8	525

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37	Helical Ribbons for Molecular Electronics. Journal of the American Chemical Society, 2014, 136, 8122-8130.	13.7	243
38	Efficient Organic Solar Cells with Helical Perylene Diimide Electron Acceptors. Journal of the American Chemical Society, 2014, 136, 15215-15221.	13.7	414
39	Experimental Investigations and Modeling of Auger Recombination in Silicon Nanocrystals. Journal of Physical Chemistry C, 2013, 117, 5963-5968.	3.1	42
40	A Hot Electronâ€“Hole Pair Breaks the Symmetry of a Semiconductor Quantum Dot. Nano Letters, 2013, 13, 6091-6097.	9.1	51
41	Dramatic Enhancement of Photoluminescence Quantum Yields for Surfaceâ€Engineered Si Nanocrystals within the Solar Spectrum. Advanced Functional Materials, 2013, 23, 6051-6058.	14.9	26
42	Direct generation of multiple excitons in adjacent silicon nanocrystals revealed by induced absorption. Nature Photonics, 2012, 6, 316-321.	31.4	173
43	Anomalous Independence of Multiple Exciton Generation on Different Group IVâ€“VI Quantum Dot Architectures. Nano Letters, 2011, 11, 1623-1629.	9.1	61
44	Enhanced Hot-Carrier Cooling and Ultrafast Spectral Diffusion in Strongly Coupled PbSe Quantum-Dot Solids. Nano Letters, 2011, 11, 5471-5476.	9.1	71
45	Probing formally forbidden optical transitions in PbSe nanocrystals by time- and energy-resolved transient absorption spectroscopy. Physical Review B, 2009, 80, .	3.2	16
46	Photogeneration and Ultrafast Dynamics of Excitons and Charges in P3HT/PCBM Blends. Journal of Physical Chemistry C, 2009, 113, 14500-14506.	3.1	304
47	Nature of the Second Optical Transition in PbSe Nanocrystals. Nano Letters, 2008, 8, 2112-2117.	9.1	59
48	In Spite of Recent Doubts Carrier Multiplication Does Occur in PbSe Nanocrystals. Nano Letters, 2008, 8, 1713-1718.	9.1	291
49	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
50	Nonvolatile two-color holographic recording in Tm-doped near-stoichiometric LiNbO3. Optics Communications, 2005, 248, 89-96.	2.1	7