

Demetra Tsokkou

List of Publications by Year in descending order

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papers

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567281

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all docs

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docs citations

23
times ranked

1043
citing authors

#	ARTICLE	IF	CITATIONS
1	Polaron Photoconductivity in the Weak and Strong Light-Matter Coupling Regime. <i>Physical Review Letters</i> , 2020, 124, 177401.	7.8	42
2	Carrier dynamics and conductivity of SnO ₂ nanowires investigated by time-resolved terahertz spectroscopy. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	40
3	Influence of hole transport material ionization energy on the performance of perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2019, 7, 523-527.	5.5	39
4	Tin Oxide Nanowires: The Influence of Trap States on Ultrafast Carrier Relaxation. <i>Nanoscale Research Letters</i> , 2009, 4, 828-833.	5.7	35
5	The Role of Excitons and Free Charges in the Excited-State Dynamics of Solution-Processed Few-Layer MoS ₂ Nanoflakes. <i>Journal of Physical Chemistry C</i> , 2016, 120, 23286-23292.	3.1	34
6	Hybrid Heterojunctions of Solution-Processed Semiconducting 2D Transition Metal Dichalcogenides. <i>ACS Energy Letters</i> , 2017, 2, 524-531.	17.4	31
7	Ultrafast time-resolved spectroscopy of In ₂ O ₃ nanowires. <i>Journal of Applied Physics</i> , 2009, 106, 084307.	2.5	29
8	Size-Dependent Charge Transfer in Blends of PbS Quantum Dots with a Low-Gap Silicon-Bridged Copolymer. <i>Advanced Energy Materials</i> , 2013, 3, 1490-1499.	19.5	29
9	Excited State Dynamics of a Self-Doped Conjugated Polyelectrolyte. <i>Advanced Functional Materials</i> , 2020, 30, 1906148.	14.9	21
10	Tetraphenylhexaazaanthracenes: 16 Weakly Antiaromatic Species with Singlet Ground States. <i>Organic Letters</i> , 2015, 17, 4026-4029.	4.6	20
11	Charge injection and trapping at perovskite interfaces with organic hole transporting materials of different ionization energies. <i>APL Materials</i> , 2019, 7, .	5.1	20
12	Photophysics of Methylammonium Lead Tribromide Perovskite: Free Carriers, Excitons, and Sub-Bandgap States. <i>Advanced Energy Materials</i> , 2020, 10, 1903258.	19.5	20
13	Comparing the excited-state properties of a mixed-cation mixed-halide perovskite to methylammonium lead iodide. <i>Journal of Chemical Physics</i> , 2020, 152, 104703.	3.0	18
14	Defect states of chemical vapor deposition grown GaN nanowires: Effects and mechanisms in the relaxation of carriers. <i>Journal of Applied Physics</i> , 2009, 106, 054311.	2.5	16
15	Photophysics of PbS Quantum Dot Films Capped with Arsenic Sulfide Ligands. <i>Advanced Energy Materials</i> , 2014, 4, 1301547.	19.5	15
16	Terahertz short-range mobilities in neat and intermixed regions of polymer:fullerene blends with controlled phase morphology. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22301-22309.	10.3	15
17	Low Temperature Growth of In ₂ O ₃ and InN Nanocrystals on Si(111) via Chemical Vapour Deposition Based on the Sublimation of NH ₄ Cl in In. <i>Nanoscale Research Letters</i> , 2009, 4, 491-7.	5.7	12
18	Femtosecond Carrier Dynamics in In ₂ O ₃ Nanocrystals. <i>Nanoscale Research Letters</i> , 2009, 4, 526-531.	5.7	10

#	ARTICLE	IF	CITATIONS
19	Bipolarons rule the short-range terahertz conductivity in electrochemically doped P3HT. <i>Materials Horizons</i> , 2022, 9, 482-491.	12.2	10
20	Exciton-Ligand Interactions in PbS Quantum Dots Capped with Metal Chalcogenides. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27848-27857.	3.1	5
21	Ultrafast Charge Transfer Dynamics at the Origin of Photoconductivity in Doped Organic Solids. <i>Journal of Physical Chemistry C</i> , 2021, 125, 7086-7096.	3.1	4
22	Observation of Quantum Confinement Effects with Ultrashort Excitation in the Vicinity of Direct Critical Points in Silicon Nanofilms. <i>Research Letters in Physics</i> , 2008, 2008, 1-5.	0.2	1