

# Theo Kreouzis

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

572  
citations

840776

11  
h-index

642732

23  
g-index

30  
all docs

30  
docs citations

30  
times ranked

885  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution-Processed Donor-acceptor Poly(3-hexylthiophene):Phenyl-C <sub>61</sub> -butyric Acid Methyl Ester Diodes for Low-Voltage Particle Detection. ACS Applied Materials & Interfaces, 2021, 13, 6470-6479.	8.0	2
2	Understanding asymmetric magnetoconductance in OLEDs: The effects of gradient magnetic fields. Organic Electronics, 2021, , 106251.	2.6	0
3	Determining Out-of-Plane Hole Mobility in CuSCN via the Time-of-Flight Technique To Elucidate Its Function in Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 38499-38507.	8.0	4
4	Fitting the magnetoresponses of the OLED using polaron pair model to obtain spin-pair dynamics and local hyperfine fields. Scientific Reports, 2020, 10, 16806.	3.3	13
5	Room-temperature formation of CdS magic-size clusters in aqueous solutions assisted by primary amines. Nature Communications, 2020, 11, 4199.	12.8	21
6	Experimental Studies on the Dynamic Memcapacitance Modulation of the ReO <sub>3</sub> @ReS <sub>2</sub> Composite Material-Based Diode. Nanomaterials, 2020, 10, 2103.	4.1	4
7	Energetics of Nonradiative Surface Trap States in Nanoparticles Monitored by Time-of-Flight Photoconduction Measurements on Nanoparticle-Polymer Blends. ACS Applied Materials & Interfaces, 2019, 11, 37184-37192.	8.0	4
8	Identifying Clusters and/or Small-Size Quantum Dots in Colloidal CdSe Ensembles with Optical Spectroscopy. Journal of Physical Chemistry Letters, 2019, 10, 6399-6408.	4.6	4
9	Heuristic description of separate charge transport pathways determined by Time of Flight: Multiple hole transit times in the ubiquitous poly(3-hexylthiophene). Organic Electronics, 2019, 74, 41-45.	2.6	0
10	One-Step Approach to Single-Ensemble CdS Magic-Size Clusters with Enhanced Production Yields. Journal of Physical Chemistry Letters, 2019, 10, 2725-2732.	4.6	25
11	Modelling and fitting the Polaron Pair Magnetoconductance model to obtain a realistic local hyperfine field in Tris-(8-hydroxyquinoline)aluminium based diodes. Scientific Reports, 2019, 9, 3439.	3.3	5
12	Formation of colloidal alloy semiconductor CdTeSe magic-size clusters at room temperature. Nature Communications, 2019, 10, 1674.	12.8	49
13	Estimation of dark and active dielectric constants in the sub-THz frequency domain of an optically tunable organic semiconductor blend of poly(3-hexylthiophene) and phenyl-C <sub>61</sub> -butyric acid methyl ester. Applied Physics Express, 2018, 11, 061601.	2.4	2
14	Evolution of Two Types of CdTe Magic-Size Clusters from a Single Induction Period Sample. Journal of Physical Chemistry Letters, 2018, 9, 5288-5295.	4.6	46
15	Individual Pathways in the Formation of Magic-Size Clusters and Conventional Quantum Dots. Journal of Physical Chemistry Letters, 2018, 9, 3660-3666.	4.6	62
16	Newly synthesised gadolinium bis-phthalocyanine sandwich complex: ambipolar organic semiconductor. Semiconductor Science and Technology, 2018, 33, 095010.	2.0	8
17	Comparative Study of Sub-THz FSS Filters Fabricated by Inkjet Printing, Microprecision Material Printing, and Photolithography. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 184-190.	3.1	34
18	From simulations to measurements: prototyping an antenna for non-linear applications at sub-THz frequencies. IET Microwaves, Antennas and Propagation, 2017, 11, 304-309.	1.4	4

#	ARTICLE	IF	CITATIONS
19	Taming Charge Transport in Semiconducting Polymers with Branched Alkyl Side Chains. <i>Advanced Functional Materials</i> , 2017, 27, 1701973.	14.9	80
20	Measurements of non-linear sub-THz quasi-optical devices. , 2017, , .		3
21	Low-cost inkjet-printed FSS band-pass filters for 100 and 300 GHz. , 2016, , .		3
22	Antenna array control via integrated optically-activated organic semiconductor for S-band applications. , 2016, , .		5
23	Investigation of frequency-tripling performance of Schottky diode based multennas to 0.3 THz. , 2016, , .		3
24	Higher harmonic generation: Coupling two radiating elements at two different frequencies. , 2016, , .		0
25	Impurity effects on charge transport and magnetoconductance in a single layer poly(3-hexyl-thiophene) device. <i>Applied Physics Letters</i> , 2016, 108, 203301.	3.3	1
26	Annealing and doping-dependent magnetoresistance in single layer poly(3-hexyl-thiophene) organic semiconductor device. <i>Organic Electronics</i> , 2015, 17, 51-56.	2.6	4
27	The transition from bipolaron to triplet-polaron magnetoresistance in a single layer organic semiconductor device. <i>Organic Electronics</i> , 2014, 15, 1711-1716.	2.6	7
28	Enhanced Charge-Carrier Mobility in High-Pressure-Crystallized Poly(3-hexylthiophene). <i>Macromolecules</i> , 2011, 44, 1221-1225.	4.8	56
29	Solid-State Processing of Organic Semiconductors. <i>Advanced Materials</i> , 2010, 22, 3942-3947.	21.0	46
30	Efficient, Stable Bulk Charge Transport in Crystalline/Crystalline Semiconductor/Insulator Blends. <i>Advanced Materials</i> , 2009, 21, 4447-4451.	21.0	77