

# Jan Sobus

## List of Publications by Year in descending order

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23  
papers

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citations

623734

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docs citations

23  
times ranked

925  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface Engineering of Solution-Processed Hybrid Organohalide Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 21681-21687.	8.0	89
2	Organic Light-Emitting Transistors: Advances and Perspectives. Advanced Functional Materials, 2020, 30, 1905282.	14.9	61
3	Low Amplified Spontaneous Emission Threshold and Efficient Electroluminescence from a Carbazole Derivatized Excited-State Intramolecular Proton Transfer Dye. ACS Photonics, 2018, 5, 4447-4455.	6.6	47
4	Exciton-Exciton Annihilation in Thermally Activated Delayed Fluorescence Emitter. Advanced Functional Materials, 2020, 30, 2000580.	14.9	45
5	Comparison of TiO <sub>2</sub> and ZnO Solar Cells Sensitized with an Indoline Dye: Time-Resolved Laser Spectroscopy Studies of Partial Charge Separation Processes. Langmuir, 2014, 30, 2505-2512.	3.5	42
6	Probing polaron-induced exciton quenching in TADF based organic light-emitting diodes. Nature Communications, 2022, 13, 254.	12.8	42
7	High Performance p- and n-Type Light-Emitting Field-Effect Transistors Employing Thermally Activated Delayed Fluorescence. Advanced Functional Materials, 2018, 28, 1800340.	14.9	31
8	Solid cyclooctatetraene-based triplet quencher demonstrating excellent suppression of singlet-triplet annihilation in optical and electrical excitation. Nature Communications, 2020, 11, 5623.	12.8	31
9	Charge and exciton dynamics of OLEDs under high voltage nanosecond pulse: towards injection lasing. Nature Communications, 2020, 11, 4310.	12.8	31
10	Transient states and the role of excited state self-quenching of indoline dyes in complete dye-sensitized solar cells. Dyes and Pigments, 2015, 113, 692-701.	3.7	30
11	Deep-Red Lasing and Amplified Spontaneous Emission from Nature Inspired Bay-Annulated Indigo Derivatives. Advanced Optical Materials, 2020, 8, 1901350.	7.3	26
12	High EQE and High Brightness Solution-Processed TADF Light-Emitting Transistors and OLEDs. Advanced Optical Materials, 2020, 8, 2000554.	7.3	21
13	High-Speed OLEDs and Area-Emitting Light-Emitting Transistors from a Tetracyclic Lactim Semiconducting Polymer. Advanced Optical Materials, 2018, 6, 1800768.	7.3	19
14	Factors Affecting the Performance of Champion Silyl-Anchor Carbazole Dye Revealed in the Femtosecond to Second Studies of Complete ADEKA-Sensitized Solar Cells. Chemistry - A European Journal, 2016, 22, 15807-15818.	3.3	18
15	Optimization of absorption bands of dye-sensitized and perovskite tandem solar cells based on loss-in-potential values. Physical Chemistry Chemical Physics, 2014, 16, 14116-14126.	2.8	14
16	Carbazole Dye-Sensitized Solar Cells Studied from Femtoseconds to Seconds—Effect of Additives in Cobalt- and Iodide-Based Electrolytes. ChemSusChem, 2015, 8, 3118-3128.	6.8	14
17	Controlling triplet-triplet upconversion and singlet-triplet annihilation in organic light-emitting diodes for injection lasing. Communications Materials, 2022, 3, .	6.9	13
18	Mobility Evaluation of [1]Benzothieno[3,2- <i>b</i> ][1]benzothiophene Derivatives: Limitation and Impact on Charge Transport. ACS Applied Materials & Interfaces, 2019, 11, 3271-3279.	8.0	12

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19	Effect of different photoanode nanostructures on the initial charge separation and electron injection process in dye sensitized solar cells: A photophysical study with indoline dyes. <i>Materials Chemistry and Physics</i> , 2016, 170, 218-228.	4.0	10
20	Effect of Solvent Variations in the Alcothermal Synthesis of Template-Free Mesoporous Titania for Dye-Sensitized Solar Cells Applications. <i>PLoS ONE</i> , 2016, 11, e0164670.	2.5	2
21	Field-Effect Transistors: High Performance p- and n-Type Light-Emitting Field-Effect Transistors Employing Thermally Activated Delayed Fluorescence ( <i>Adv. Funct. Mater.</i> 28/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870193.	14.9	1
22	Polymer Light Emitting Devices: High-Speed OLEDs and Area-Emitting Light-Emitting Transistors from a Tetracyclic Lactim Semiconducting Polymer ( <i>Advanced Optical Materials</i> 21/2018). <i>Advanced Optical Materials</i> , 2018, 6, 1870084.	7.3	0
23	Organic Laser Dyes: Deep-Red Lasing and Amplified Spontaneous Emission from Nature Inspired Bay-Annulated Indigo Derivatives ( <i>Advanced Optical Materials</i> 2/2020). <i>Advanced Optical Materials</i> , 2020, 8, 2070006.	7.3	0