Marcel Schubert

List of Publications by Year
in descending order

41	3,281	279798 23	414414 32
papers	citations	h-index	g-index

42	42	42	4449
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient charge generation by relaxed charge-transfer states at organic interfaces. Nature Materials, 2014, 13, 63-68.	27.5	667
2	Aggregation in a High-Mobility n-Type Low-Bandgap Copolymer with Implications on Semicrystalline Morphology. Journal of the American Chemical Society, 2012, 134, 18303-18317.	13.7	395
3	Influence of Aggregation on the Performance of Allâ€Polymer Solar Cells Containing Lowâ€Bandgap Naphthalenediimide Copolymers. Advanced Energy Materials, 2012, 2, 369-380.	19.5	316
4	The Role of Regioregularity, Crystallinity, and Chain Orientation on Electron Transport in a High-Mobility n-Type Copolymer. Journal of the American Chemical Society, 2014, 136, 4245-4256.	13.7	226
5	Photogeneration and Recombination in P3HT/PCBM Solar Cells Probed by Time-Delayed Collection Field Experiments. Journal of Physical Chemistry Letters, 2011, 2, 700-705.	4.6	183
6	An exciton-polariton laser based on biologically produced fluorescent protein. Science Advances, 2016, 2, e1600666.	10.3	159
7	Lasing within Live Cells Containing Intracellular Optical Microresonators for Barcode-Type Cell Tagging and Tracking. Nano Letters, 2015, 15, 5647-5652.	9.1	158
8	Bulk Electron Transport and Charge Injection in a High Mobility nâ€Type Semiconducting Polymer. Advanced Materials, 2010, 22, 2799-2803.	21.0	145
9	Correlated Donor/Acceptor Crystal Orientation Controls Photocurrent Generation in Allâ€Polymer Solar Cells. Advanced Functional Materials, 2014, 24, 4068-4081.	14.9	144
10	Flexible and ultra-lightweight polymer membrane lasers. Nature Communications, 2018, 9, 1525.	12.8	122
11	Monitoring contractility in cardiac tissue with cellular resolution using biointegrated microlasers. Nature Photonics, 2020, 14, 452-458.	31.4	77
12	Non-obstructive intracellular nanolasers. Nature Communications, 2018, 9, 4817.	12.8	75
13	Charge mobility determination by current extraction under linear increasing voltages: Case of nonequilibrium charges and field-dependent mobilities. Physical Review B, 2010, 81, .	3.2	65
14	Mobility relaxation and electron trapping in a donor/acceptor copolymer. Physical Review B, 2013, 87, .	3.2	51
15	On the Molecular Origin of Charge Separation at the Donorâ€"Acceptor Interface. Advanced Energy Materials, 2018, 8, 1702232.	19.5	51
16	The Relationship between the Electric Field-Induced Dissociation of Charge Transfer Excitons and the Photocurrent in Small Molecular/Polymeric Solar Cells. Journal of Physical Chemistry Letters, 2010, 1, 982-986.	4.6	50
17	Chain-growth polycondensation of perylene diimide-based copolymers: a new route to regio-regular perylene diimide-based acceptors for all-polymer solar cells and n-type transistors. Polymer Chemistry, 2014, 5, 3404-3411.	3.9	48
18	Heterojunction topology versus fill factor correlations in novel hybrid small-molecular/polymeric solar cells. Journal of Chemical Physics, 2009, 130, 094703.	3.0	43

#	Article	IF	Citations
19	Fullerene-Free Polymer Solar Cells with Highly Reduced Bimolecular Recombination and Field-Independent Charge Carrier Generation. Journal of Physical Chemistry Letters, 2014, 5, 2815-2822.	4.6	42
20	Lasing in Live Mitotic and Non-Phagocytic Cells by Efficient Delivery of Microresonators. Scientific Reports, 2017, 7, 40877.	3.3	41
21	Tuning of the Excited-State Properties and Photovoltaic Performance in PPV-Based Polymer Blends. Journal of Physical Chemistry C, 2008, 112, 14607-14617.	3.1	33
22	Full electronic structure across a polymer heterojunction solar cell. Journal of Materials Chemistry, 2012, 22, 4418.	6.7	33
23	Time-of-flight measurements and vertical transport in a high electron-mobility polymer. Applied Physics Letters, 2011, 99, 183310.	3.3	30
24	Strong Coupling in Fully Tunable Microcavities Filled with Biologically Produced Fluorescent Proteins. Advanced Optical Materials, 2017, 5, 1600659.	7.3	21
25	Narrowband Organic Lightâ€Emitting Diodes for Fluorescence Microscopy and Calcium Imaging. Advanced Materials, 2019, 31, 1903599.	21.0	20
26	Optofluidic distributed feedback lasers with evanescent pumping: Reduced threshold and angular dispersion analysis. Applied Physics Letters, 2016, 108, .	3.3	18
27	Influence of sintering on the structural and electronic properties of TiO2 nanoporous layers prepared via a non-solâ€"gel approach. Colloid and Polymer Science, 2012, 290, 1843-1854.	2.1	16
28	Timeâ€Resolved Studies of Energy Transfer in Thin Films of Green and Red Fluorescent Proteins. Advanced Functional Materials, 2018, 28, 1706300.	14.9	12
29	Charge transport and recombination in bulk heterojunction solar cells containing a dicyanoimidazoleâ€based molecular acceptor. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2743-2749.	1.8	10
30	Single cell induced optical confinement in biological lasers. Journal Physics D: Applied Physics, 2017, 50, 084005.	2.8	10
31	Distributed Feedback Lasers Based on Green Fluorescent Protein and Conformal High Refractive Index Oxide Layers. Laser and Photonics Reviews, 2020, 14, 2000101.	8.7	9
32	Red-Shifted Excitation and Two-Photon Pumping of Biointegrated GaInP/AlGaInP Quantum Well Microlasers. ACS Photonics, 2022, 9, 952-960.	6.6	6
33	Polariton-lasing in microcavities filled with fluorescent proteins. , 2018, , .		2
34	Flexible and Ultra-Lightweight Polymer Membrane Lasers. , 2019, , .		1
35	Tuning Side Chain and Main Chain Order in a Prototypical Donorâ€"Acceptor Copolymer: Implications for Optical, Electronic, and Photovoltaic Characteristics. Advances in Polymer Science, 2017, , 243-265.	0.8	0
36	Fluorescent Proteins: Strong Coupling in Fully Tunable Microcavities Filled with Biologically Produced Fluorescent Proteins (Advanced Optical Materials 1/2017). Advanced Optical Materials, 2017, 5, .	7.3	0

#	Article	IF	Citations
37	Microlaser-based contractility sensing in single cardiomyocytes and whole hearts. , 2019, , .		0
38	Intracellular Semiconductor Nanodisk Lasers. , 2019, , .		0
39	Microlaser-based contractility sensing in single cardiomyocytes and whole hearts. , 2019, , .		0
40	Cardiac Sensing with Bio-Integrated Microlasers. Optics and Photonics News, 2020, 31, 55.	0.5	0
41	Deep tissue contractility sensing with biointegrated microlasers. , 2021, , .		0