Karin Zojer

List of Publications by Year
in descending order

48 papers	2,267 citations	279701 23 h-index	214721 47 g-index
50 all docs	50 docs citations	50 times ranked	3532 citing authors

#	Article	IF	Citations
1	On Variability and Interdependence of Local Porosity and Local Tortuosity in Porous Materials: a Case Study for Sack Paper. Methodology and Computing in Applied Probability, 2021, 23, 613-627.	0.7	12
2	Simulation of Charge Carriers in Organic Electronic Devices: Methods with their Fundamentals and Applications. Advanced Optical Materials, 2021, 9, 2100219.	3.6	12
3	Capturing Centimeter-Scale Local Variations in Paper Pore Space via Î¼-CT: A Benchmark Study Using Calendered Paper. Microscopy and Microanalysis, 2021, 27, 1305-1315.	0.2	10
4	2D Semiconductors: Interfacial Band Engineering of MoS₂/Gold Interfaces Using Pyrimidineâ€Containing Selfâ€Assembled Monolayers: Toward Contactâ€Resistanceâ€Free Bottomâ€Contacts (Adv. Electron. Mater. 5/2020). Advanced Electronic Materials, 2020, 6, 2070026.	2.6	1
5	Interfacial Band Engineering of MoS₂/Gold Interfaces Using Pyrimidineâ€Containing Selfâ€Assembled Monolayers: Toward Contactâ€Resistanceâ€Free Bottomâ€Contacts. Advanced Electronic Materials, 2020, 6, 2000110.	2.6	18
6	Small contact resistance and high-frequency operation of flexible low-voltage inverted coplanar organic transistors. Nature Communications, 2019, 10, 1119.	5.8	163
7	Critical Evaluation of Organic Thin-Film Transistor Models. Crystals, 2019, 9, 85.	1.0	20
8	Impact of thermal transport parameters on the operating temperature of organic light emitting diodes. Journal of Applied Physics, 2019, 125, 085501.	1.1	12
9	Modelling Organic Devices â€" Foundation, Implementation, and Merit of the Kinetic Monte Carlo Method. World Scientific Series in Nanoscience and Nanotechnology, 2019, , 135-185.	0.1	1
10	Elementary steps in electrical doping of organic semiconductors. Nature Communications, 2018, 9, 1182.	5.8	178
11	Pore space extraction and characterization of sack paper using Î¼â€CT. Journal of Microscopy, 2018, 272, 35-46.	0.8	13
12	Embedded Dipole Selfâ€Assembled Monolayers for Contact Resistance Tuning in pâ€Type and nâ€Type Organic Thin Film Transistors and Flexible Electronic Circuits. Advanced Functional Materials, 2018, 28, 1804462.	7.8	66
13	Tunneling Probability Increases with Distance in Junctions Comprising Self-Assembled Monolayers of Oligothiophenes. Journal of the American Chemical Society, 2018, 140, 15048-15055.	6.6	24
14	Area dependent behavior of bathocuproine (BCP) as cathode interfacial layers in organic photovoltaic cells. Scientific Reports, 2018, 8, 12608.	1.6	18
15	Impact of position of electron withdrawing cyano groups on nonlinear optical properties of centrosymmetric donorâ€Ïâ€acceptor system. International Journal of Quantum Chemistry, 2017, 117, e25441.	1.0	3
16	Utilizing Schottky barriers to suppress short-channel effects in organic transistors. Applied Physics Letters, 2017, 111, .	1.5	11
17	Switching from weakly to strongly limited injection in self-aligned, nano-patterned organic transistors. Scientific Reports, 2016, 6, 31387.	1.6	4
18	Impact of the Capacitance of the Dielectric on the Contact Resistance of Organic Thin-Film Transistors. Physical Review Applied, 2015, 4, .	1.5	31

#	Article	IF	Citations
19	Role of the Charge-Transfer State in Reduced Langevin Recombination in Organic Solar Cells: A Theoretical Study. Journal of Physical Chemistry C, 2015, 119, 26588-26597.	1.5	38
20	Impact of Materials versus Geometric Parameters on the Contact Resistance in Organic Thinâ€Film Transistors. Advanced Functional Materials, 2013, 23, 2941-2952.	7.8	45
21	Influence of morphology and polymer:nanoparticle ratio on device performance of hybrid solar cellsâ€"an approach in experiment and simulation. Nanotechnology, 2013, 24, 484005.	1.3	27
22	Origin of the bimodal island size distribution in ultrathin films ofpara-hexaphenyl on mica. Physical Review B, 2012, 86, .	1.1	22
23	Relation between injection barrier and contact resistance in top-contact organic thin-film transistors. Organic Electronics, 2012, 13, 1887-1899.	1.4	40
24	Mechanism of surface proton transfer doping in pentacene based organic thinâ€film transistors. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 181-192.	0.8	14
25	Influence of transport-related material parameters on the Iâ€"V characteristic of inorganicâ€"organic hybrid solar cells. Organic Electronics, 2011, 12, 1434-1445.	1.4	8
26	Impact of energy alignment and morphology on the efficiency in inorganicâ€"organic hybrid solar cells. Organic Electronics, 2010, 11, 1999-2011.	1.4	20
27	Threshold Voltage Shifts in Organic Thinâ€Film Transistors Due to Selfâ€Assembled Monolayers at the Dielectric Surface. Advanced Functional Materials, 2009, 19, 958-967.	7.8	101
28	Electronic and Vibronic Contributions to Twoâ€Photon Absorption in Donorâ€"Acceptorâ€"Donor Squaraine Chromophores. Chemistry - A European Journal, 2008, 14, 11082-11091.	1.7	49
29	Order of Magnitude Effects of Thiazole Regioisomerism on the Nearâ€IR Twoâ€Photon Crossâ€Sections of Dipolar Chromophores. Advanced Functional Materials, 2008, 18, 794-801.	7.8	8
30	Heteroleptic platinum(ii) complexes of 8-quinolinolates bearing electron withdrawing groups in 5-position. Dalton Transactions, 2008, , 4006.	1.6	44
31	Optimizing organic photovoltaics using tailored heterojunctions: A photoinduced absorption study of oligothiophenes with low band gaps. Physical Review B, 2008, 77, .	1.1	99
32	Trends in Electron-Vibration and Electronic Interactions in Bis(dimethylamino) Mixed-Valence Systems: A Joint Experimental and Theoretical Investigation. Journal of Physical Chemistry C, 2008, 112, 7959-7967.	1.5	24
33	Tailored heterojunctions for efficient thin-film organic solar cells: a photoinduced absorption study. Proceedings of SPIE, 2007, , .	0.8	4
34	Efficient acceptor groups for NLO chromophores: competing inductive and resonance contributions in heterocyclic acceptors derived from 2-dicyanomethylidene-3-cyano-4,5,5-trimethyl-2,5-dihydrofuran. Journal of Materials Chemistry, 2007, 17, 2944-2949.	6.7	37
35	Intersystem Crossing Processes in Nonplanar Aromatic Heterocyclic Molecules. Journal of Physical Chemistry A, 2007, 111, 10490-10499.	1.1	261
36	Excited State Intramolecular Proton Transfer in 2-(2â€˜-Arylsulfonamidophenyl)benzimidazole Derivatives:â€‰ Insights into the Origin of Donor Substituent-Induced Emission Energy Shifts. Journal of Physical Chemistry A, 2007, 111, 4584-4595.	1.1	32

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37	Design of Emission Ratiometric Metal-Ion Sensors with Enhanced Two-Photon Cross Section and Brightness. Journal of the American Chemical Society, 2007, 129, 11888-11889.	6.6	122
38	Structure to Property Relationships for Multiphoton Absorption in Covalently Linked Porphyrin Dimers:â€‰ A Correction Vector INDO/MRDCI Study. Journal of Physical Chemistry A, 2007, 111, 8509-8518.	1.1	20
39	Two-Photon Absorption in Quadrupolar Bis(acceptor)-Terminated Chromophores with Electron-Rich Bis(heterocycle)vinylene Bridges. Chemistry of Materials, 2007, 19, 432-442.	3.2	66
40	Extended Squaraine Dyes with Large Two-Photon Absorption Cross-Sections. Journal of the American Chemical Society, 2006, 128, 14444-14445.	6.6	205
41	Excited-State Properties and Emission Spectra of Nonplanar Heterocyclic Helicenes. Journal of Physical Chemistry A, 2006, 110, 11018-11024.	1.1	20
42	Magnus' Green Salt Revisited: Impact of Platinumâ€“Platinum Interactions on Electronic Structure and Carrier Mobilities. Advanced Materials, 2006, 18, 2039-2043.	11.1	24
43	Transient absorption spectroscopy and quantum-chemical studies of matrix-isolated perylene derivatives. Physical Review B, 2006, 73, .	1.1	39
44	Quantum confinement in linear molecular chains with strong mixing of Frenkel and charge-transfer excitons. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 293, 83-92.	0.9	9
45	Charged Frenkel excitons in organic crystals. Chemical Physics, 2001, 272, 159-169.	0.9	25
46	Coherent External and Internal Phonons in Quasi-One-Dimensional Organic Molecular Crystals. Physical Review Letters, 2001, 86, 4060-4063.	2.9	19
47	Surface states in molecular chains with strong mixing of Frenkel and charge-transfer excitons. Chemical Physics Letters, 2000, 325, 308-316.	1.2	13
48	The lowest energy Frenkel and charge-transfer excitons in quasi-one-dimensional structures: application to MePTCDI and PTCDA crystals. Chemical Physics, 2000, 258, 73-96.	0.9	228