Eric Mankel

List of Publications by Year
in descending order

34 papers	1,444 citations	516710 16 h-index	361022 35 g-index
35 all docs	35 docs citations	35 times ranked	3283 citing authors

#	Article	IF	Citations
1	Role of the Selective Contacts in the Performance of Lead Halide Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2014, 5, 680-685.	4.6	583
2	Efficient Planar Heterojunction Perovskite Solar Cells Based on Formamidinium Lead Bromide. Journal of Physical Chemistry Letters, 2014, 5, 2791-2795.	4.6	250
3	Charge-Transferâ€“Solvent Interaction Predefines Doping Efficiency in p-Doped P3HT Films. Chemistry of Materials, 2016, 28, 4432-4439.	6.7	65
4	Investigation of Solution-Processed Ultrathin Electron Injection Layers for Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2014, 6, 6616-6622.	8.0	53
5	How Molecules with Dipole Moments Enhance the Selectivity of Electrodes in Organic Solar Cells â€“ A Combined Experimental and Theoretical Approach. Advanced Energy Materials, 2016, 6, 1600594.	19.5	38
6	Functionalized Nickel Oxide Hole Contact Layers: Work Function versus Conductivity. ACS Applied Materials & Interfaces, 2017, 9, 39821-39829.	8.0	37
7	Nanocomposite of nickel oxide nanoparticles and polyethylene oxide as printable hole transport layer for organic solar cells. Sustainable Energy and Fuels, 2019, 3, 1418-1426.	4.9	31
8	Electricâ€Fieldâ€Controlled Dopant Distribution in Organic Semiconductors. Advanced Materials, 2017, 29, 1701466.	21.0	30
9	Dopant Diffusion in Sequentially Doped Poly(3-hexylthiophene) Studied by Infrared and Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2018, 122, 14518-14527.	3.1	29
10	The Swissâ€Armyâ€Knife Selfâ€Assembled Monolayer: Improving Electron Injection, Stability, and Wettability of Metal Electrodes with a Oneâ€Minute Process. Advanced Functional Materials, 2016, 26, 3172-3178.	14.9	27
11	Structureâ€“Property Relationship of Phenylene-Based Self-Assembled Monolayers for Record Low Work Function of Indium Tin Oxide. Journal of Physical Chemistry Letters, 2018, 9, 3731-3737.	4.6	26
12	n-Type Doping of Organic Semiconductors: Immobilization via Covalent Anchoring. Chemistry of Materials, 2019, 31, 4213-4221.	6.7	25
13	Fermi level positioning in organic semiconductor phase mixed composites: The internal interface charge transfer doping model. Organic Electronics, 2012, 13, 1356-1364.	2.6	24
14	One-step additive crosslinking of conjugated polyelectrolyte interlayers: improved lifetime and performance of solution-processed OLEDs. Journal of Materials Chemistry C, 2016, 4, 11150-11156.	5.5	24
15	Engineering the electronic structure of the ZnPc/C60 heterojunction by temperature treatment. Solar Energy Materials and Solar Cells, 2010, 94, 662-667.	6.2	20
16	Tapered Crossâ€Section Photoelectron Spectroscopy of Stateâ€ofâ€theâ€Art Mixed Ion Perovskite Solar Cells: Band Bending Profile in the Dark, Photopotential Profile Under Open Circuit Illumination, and Band Diagram. Advanced Functional Materials, 2020, 30, 1910679.	14.9	19
17	Impact of processing on the chemical and electronic properties of phenyl-C₆₁-butyric acid methyl ester. Journal of Materials Chemistry C, 2014, 2, 7934.	5.5	16
18	Dipolar SAMs Reduce Charge Carrier Injection Barriers in n-Channel Organic Field Effect Transistors. Langmuir, 2015, 31, 10303-10309.	3.5	16

#	Article	IF	Citations
19	Correlation between Chemical and Electronic Properties of Solution-Processed Nickel Oxide. ACS Applied Energy Materials, 2018, 1, 3113-3122.	5.1	15
20	Engineering the electronic structure of the CuPc/BPEâ€PTCDI interface by WO₃ doping of CuPc. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2757-2762.	1.8	14
21	Doping of TIPS-pentacene via Focused Ion Beam (FIB) exposure. Organic Electronics, 2013, 14, 1570-1576.	2.6	13
22	Electric potential distributions in space charge regions of molecular organic adsorbates using a simplified distributed states model. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2040-2048.	1.8	13
23	The role of Ca traces in the passivation of silicon dioxide dielectrics for electron transport in pentacene organic field effect transistors. Journal of Applied Physics, 2008, 104, 054505.	2.5	12
24	Processing Follows Function: Pushing the Formation of Self-Assembled Monolayers to High-Throughput Compatible Time Scales. ACS Applied Materials & Interfaces, 2014, 6, 20234-20241.	8.0	12
25	Interface properties of a Li3PO4/Al cathode in organic light emitting diodes. Journal of Applied Physics, 2009, 105, 124517.	2.5	7
26	Doping mechanism of MoO₃in 4,4â€²-Bis(N-carbazolyl)-1,1â€²-biphenyl: A photoelectron spectroscopic study. Physica Status Solidi (B): Basic Research, 2016, 253, 1697-1706.	1.5	7
27	Band alignment in organic light emitting diodes - On the track of thickness dependent onset voltage shifts. Organic Electronics, 2017, 41, 79-90.	2.6	6
28	Correlation of Device Performance and Fermi Level Shift in the Emitting Layer of Organic Light-Emitting Diodes with Amine-Based Electron Injection Layers. ACS Applied Materials & Interfaces, 2018, 10, 8877-8884.	8.0	6
29	Space Charge Regions at Organic p-i-Homointerfaces from Advanced Modeling of In Situ-Prepared Interfaces Analyzed by Photoelectron Spectroscopy. ACS Applied Electronic Materials, 2021, 3, 1211-1227.	4.3	6
30	External Control of GaN Band Bending Using Phosphonate Self-Assembled Monolayers. ACS Applied Materials & Interfaces, 2021, 13, 4626-4635.	8.0	6
31	Detailed evaluation of in-operando potentials in OLED devices: A combined experimental and drift-diffusion study. Organic Electronics, 2016, 37, 336-345.	2.6	5
32	Compensation of Oxygen Doping in pâ€Type Organic Fieldâ€Effect Transistors Utilizing Immobilized nâ€Dopants. Advanced Materials Technologies, 2021, 6, 2000556.	5.8	5
33	Impedance Spectra Analysis of p-Doped Organic Thin Films by Charge Carrier Distribution Evaluation. ACS Applied Electronic Materials, 2019, 1, 1994-2006.	4.3	2
34	Phenomenological Prediction of the Band Diagram of Organicâ€“Organic and Inorganicâ€“Organic Heterointerfaces. Advanced Materials Technologies, 2021, 6, 2000110.	5.8	1