

Eric Mankel

List of Publications by Year in descending order

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34
papers

1,444
citations

516710

16
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361022

35
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docs citations

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times ranked

3283
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Compensation of Oxygen Doping in p-Type Organic Field-Effect Transistors Utilizing Immobilized n-Dopants. <i>Advanced Materials Technologies</i> , 2021, 6, 2000556. | 5.8 | 5 |
| 2 | Phenomenological Prediction of the Band Diagram of Organic/Organic and Inorganic/Organic Heterointerfaces. <i>Advanced Materials Technologies</i> , 2021, 6, 2000110. | 5.8 | 1 |
| 3 | Space Charge Regions at Organic p-i-Homointerfaces from Advanced Modeling of In Situ-Prepared Interfaces Analyzed by Photoelectron Spectroscopy. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1211-1227. | 4.3 | 6 |
| 4 | External Control of GaN Band Bending Using Phosphonate Self-Assembled Monolayers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4626-4635. | 8.0 | 6 |
| 5 | Tapered Cross-Section Photoelectron Spectroscopy of State-of-the-Art Mixed Ion Perovskite Solar Cells: Band Bending Profile in the Dark, Photopotential Profile Under Open Circuit Illumination, and Band Diagram. <i>Advanced Functional Materials</i> , 2020, 30, 1910679. | 14.9 | 19 |
| 6 | Impedance Spectra Analysis of p-Doped Organic Thin Films by Charge Carrier Distribution Evaluation. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1994-2006. | 4.3 | 2 |
| 7 | n-Type Doping of Organic Semiconductors: Immobilization via Covalent Anchoring. <i>Chemistry of Materials</i> , 2019, 31, 4213-4221. | 6.7 | 25 |
| 8 | Nanocomposite of nickel oxide nanoparticles and polyethylene oxide as printable hole transport layer for organic solar cells. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1418-1426. | 4.9 | 31 |
| 9 | Correlation of Device Performance and Fermi Level Shift in the Emitting Layer of Organic Light-Emitting Diodes with Amine-Based Electron Injection Layers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8877-8884. | 8.0 | 6 |
| 10 | Dopant Diffusion in Sequentially Doped Poly(3-hexylthiophene) Studied by Infrared and Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14518-14527. | 3.1 | 29 |
| 11 | Correlation between Chemical and Electronic Properties of Solution-Processed Nickel Oxide. <i>ACS Applied Energy Materials</i> , 2018, 1, 3113-3122. | 5.1 | 15 |
| 12 | Structure-Property Relationship of Phenylene-Based Self-Assembled Monolayers for Record Low Work Function of Indium Tin Oxide. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3731-3737. | 4.6 | 26 |
| 13 | Band alignment in organic light emitting diodes - On the track of thickness dependent onset voltage shifts. <i>Organic Electronics</i> , 2017, 41, 79-90. | 2.6 | 6 |
| 14 | Functionalized Nickel Oxide Hole Contact Layers: Work Function versus Conductivity. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39821-39829. | 8.0 | 37 |
| 15 | Electric-Field-Controlled Dopant Distribution in Organic Semiconductors. <i>Advanced Materials</i> , 2017, 29, 1701466. | 21.0 | 30 |
| 16 | Doping mechanism of MoO ₃ in 4,4'-Bis(<i>N</i> -carbazolyl)-1,1'-biphenyl: A photoelectron spectroscopic study. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 1697-1706. | 1.5 | 7 |
| 17 | The Swiss-Army-Knife Self-Assembled Monolayer: Improving Electron Injection, Stability, and Wettability of Metal Electrodes with a One-Minute Process. <i>Advanced Functional Materials</i> , 2016, 26, 3172-3178. | 14.9 | 27 |
| 18 | Detailed evaluation of in-operando potentials in OLED devices: A combined experimental and drift-diffusion study. <i>Organic Electronics</i> , 2016, 37, 336-345. | 2.6 | 5 |

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|----|---|------|-----------|
| 19 | How Molecules with Dipole Moments Enhance the Selectivity of Electrodes in Organic Solar Cells – A Combined Experimental and Theoretical Approach. <i>Advanced Energy Materials</i> , 2016, 6, 1600594. | 19.5 | 38 |
| 20 | One-step additive crosslinking of conjugated polyelectrolyte interlayers: improved lifetime and performance of solution-processed OLEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11150-11156. | 5.5 | 24 |
| 21 | Charge-Transfer – Solvent Interaction Predefines Doping Efficiency in p-Doped P3HT Films. <i>Chemistry of Materials</i> , 2016, 28, 4432-4439. | 6.7 | 65 |
| 22 | Dipolar SAMs Reduce Charge Carrier Injection Barriers in n-Channel Organic Field Effect Transistors. <i>Langmuir</i> , 2015, 31, 10303-10309. | 3.5 | 16 |
| 23 | Role of the Selective Contacts in the Performance of Lead Halide Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 680-685. | 4.6 | 583 |
| 24 | Processing Follows Function: Pushing the Formation of Self-Assembled Monolayers to High-Throughput Compatible Time Scales. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 20234-20241. | 8.0 | 12 |
| 25 | Impact of processing on the chemical and electronic properties of phenyl-C ₆₁ -butyric acid methyl ester. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7934. | 5.5 | 16 |
| 26 | Electric potential distributions in space charge regions of molecular organic adsorbates using a simplified distributed states model. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 2040-2048. | 1.8 | 13 |
| 27 | Efficient Planar Heterojunction Perovskite Solar Cells Based on Formamidinium Lead Bromide. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2791-2795. | 4.6 | 250 |
| 28 | Investigation of Solution-Processed Ultrathin Electron Injection Layers for Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 6616-6622. | 8.0 | 53 |
| 29 | Doping of TIPS-pentacene via Focused Ion Beam (FIB) exposure. <i>Organic Electronics</i> , 2013, 14, 1570-1576. | 2.6 | 13 |
| 30 | Fermi level positioning in organic semiconductor phase mixed composites: The internal interface charge transfer doping model. <i>Organic Electronics</i> , 2012, 13, 1356-1364. | 2.6 | 24 |
| 31 | Engineering the electronic structure of the ZnPc/C60 heterojunction by temperature treatment. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 662-667. | 6.2 | 20 |
| 32 | Interface properties of a Li ₃ PO ₄ /Al cathode in organic light emitting diodes. <i>Journal of Applied Physics</i> , 2009, 105, 124517. | 2.5 | 7 |
| 33 | Engineering the electronic structure of the CuPc/BPE – PTCDI interface by WO ₃ doping of CuPc. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2757-2762. | 1.8 | 14 |
| 34 | The role of Ca traces in the passivation of silicon dioxide dielectrics for electron transport in pentacene organic field effect transistors. <i>Journal of Applied Physics</i> , 2008, 104, 054505. | 2.5 | 12 |