

# Michael Corazza

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

820  
citations

516681

16  
h-index

677123

22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1693  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Compact multifunctional source-meter system for characterisation of laboratory-scale solar cell devices. Measurement Science and Technology, 2019, 30, 035901.   | 2.6  | 2         |
| 2  | Improving, characterizing and predicting the lifetime of organic photovoltaics. Journal Physics D: Applied Physics, 2017, 50, 103001.  | 2.8  | 48        |
| 3  | Analysis of electrical and thermal stress effects on PCBM:P3HT solar cells by photocurrent and impedance spectroscopy modeling. , 2017, , .  |      | 1         |
| 4  | In-line, roll-to-roll morphology analysis of organic solar cell active layers. Energy and Environmental Science, 2017, 10, 2411-2419.  | 30.8 | 54        |
| 5  | Inside or Outside? Linking Outdoor and Indoor Lifetime Tests of ITO-Free Organic Photovoltaic Devices for Greenhouse Applications. Energy Technology, 2017, 5, 338-344.                                | 3.8  | 29        |
| 6  | Slot-Die-Coated $V_{2}O_{5}$ as Hole Transport Layer for Flexible Organic Solar Cells and Optoelectronic Devices. Advanced Engineering Materials, 2016, 18, 1494-1503.                                 | 3.5  | 28        |
| 7  | Application of Photocurrent Model on Polymer Solar Cells Under Forward Bias Stress. IEEE Journal of Photovoltaics, 2016, 6, 1542-1548.   | 2.5  | 4         |
| 8  | Baselines for Lifetime of Organic Solar Cells. Advanced Energy Materials, 2016, 6, 1600910.  | 19.5 | 42        |
| 9  | Model of Organic Solar Cell Photocurrent Including the Effect of Charge Accumulation at Interfaces and Non-Uniform Carrier Generation. IEEE Journal of the Electron Devices Society, 2016, 4, 387-395. | 2.1  | 15        |
| 10 | Comparison of ultramicrotomy and focused-ion-beam for the preparation of TEM and STEM cross section of organic solar cells. Applied Surface Science, 2016, 389, 462-468.                               | 6.1  | 10        |
| 11 | Effects of current stress and thermal storage on polymeric heterojunction P3HT:PCBM solar cell. , 2016, , .  |      | 6         |
| 12 | Characterization and modeling of organic (P3HT:PCBM) solar cells as a function of bias and illumination. Solar Energy Materials and Solar Cells, 2016, 157, 337-345.                                   | 6.2  | 19        |
| 13 | In situ X-ray scattering of perovskite solar cell active layers roll-to-roll coated on flexible substrates. CrystEngComm, 2016, 18, 5083-5088.   | 2.6  | 20        |
| 14 | Improving the Operational Stability of PBDTTTz Polymer Solar Cells Modules by Electrode Modification. Advanced Engineering Materials, 2016, 18, 511-517.   | 3.5  | 17        |
| 15 | Lifetime of Organic Photovoltaics: Status and Predictions. Advanced Energy Materials, 2016, 6, 1501208.  | 19.5 | 119       |
| 16 | Role of Stress Factors on the Adhesion of Interfaces in R2R Fabricated Organic Photovoltaics. Advanced Energy Materials, 2016, 6, 1501927.   | 19.5 | 18        |
| 17 | Roll-to-roll printed silver nanowires for increased stability of flexible ITO-free organic solar cell modules. Nanoscale, 2016, 8, 318-326.  | 5.6  | 90        |
| 18 | Bipolar polaron pair recombination in polymer/fullerene solar cells. Physical Review B, 2015, 92, , .  | 3.2  | 13        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | The Critical Choice of PEDOT:PSS Additives for Long Term Stability of Roll-to-Roll Processed OPVs. <i>Advanced Energy Materials</i> , 2015, 5, 1401912.                            | 19.5 | 66        |
| 20 | Lifetime of organic photovoltaics: Linking outdoor and indoor tests. <i>Solar Energy Materials and Solar Cells</i> , 2015, 143, 467-472.   | 6.2  | 41        |
| 21 | Medium area, flexible single and tandem junction solar cells based on roll coated semi-random copolymers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9412-9415.            | 5.5  | 11        |
| 22 | Predicting, categorizing and intercomparing the lifetime of OPVs for different ageing tests. <i>Solar Energy Materials and Solar Cells</i> , 2014, 130, 99-106.                    | 6.2  | 28        |
| 23 | Interlaboratory indoor ageing of roll-to-roll and spin coated organic photovoltaic devices: Testing the ISOS tests. <i>Polymer Degradation and Stability</i> , 2014, 109, 162-170. | 5.8  | 17        |
| 24 | Freely available OPVâ€™The fast way to progress. <i>Energy Technology</i> , 2013, 1, 378-381.  | 3.8  | 122       |