# NÃºria F Montcada

List of Publications by Year
in descending order



| 18 | 657 | 623734 | 839539 |
|---|---|---|---|
| papers | citations | 14 h-index | 18 g-index |

| 19 | 19 | 19 | 1635 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Photovoltage/photocurrent transient techniques. , 2020, , 161-180. | | 9 |
| 2 | Energy alignment and recombination in perovskite solar cells: weighted influence on the open circuit voltage. Energy and Environmental Science, 2019, 12, 1309-1316. | 30.8 | 106 |
| 3 | Photo-induced dynamic processes in perovskite solar cells: the influence of perovskite composition in the charge extraction and the carrier recombination. Nanoscale, 2018, 10, 6155-6158. | 5.6 | 24 |
| 4 | Fully Solutionâ€Processed nâ€“iâ€“pâ€Like Perovskite Solar Cells with Planar Junction: How the Charge Extracting Layer Determines the Openâ€Circuit Voltage. Advanced Materials, 2017, 29, 1604493. | 21.0 | 50 |
| 5 | Pyrrolo[3,2â€‹b]pyrrole as the Central Core of the Electron Donor for Solutionâ€Processed Organic Solar Cells. ChemPlusChem, 2017, 82, 1096-1104. | 2.8 | 32 |
| 6 | Selective Organic Contacts for Methyl Ammonium Lead Iodide (MAPI) Perovskite Solar Cells: Influence of Layer Thickness on Carriers Extraction and Carriers Lifetime. ACS Applied Materials & Interfaces, 2017, 9, 21599-21605. | 8.0 | 22 |
| 7 | Cyclopentadithiophene organic core in small molecule organic solar cells: morphological control of carrier recombination. Physical Chemistry Chemical Physics, 2017, 19, 3640-3648. | 2.8 | 8 |
| 8 | Analysis of Photoinduced Carrier Recombination Kinetics in Flat and Mesoporous Lead Perovskite Solar Cells. ACS Energy Letters, 2017, 2, 182-187. | 17.4 | 35 |
| 9 | Supramolecular biosensors based on electropolymerised pyrroleâ€“cyclodextrin modified surfaces for antibody detection. Analyst, The, 2016, 141, 3274-3279. | 3.5 | 25 |
| 10 | High photo-current in solution processed organic solar cells based on a porphyrin core A-Ï€-D-Ï€-A as electron donor material. Organic Electronics, 2016, 38, 330-336. | 2.6 | 13 |
| 11 | Low Open-Circuit Voltage Loss in Solution-Processed Small-Molecule Organic Solar Cells. ACS Energy Letters, 2016, 1, 302-308. | 17.4 | 59 |
| 12 | Indoline as electron donor unit in â€œPushâ€“Pullâ€•organic small molecules for solution processed organic solar cells: Effect of the molecular Ï€-bridge on device efficiency. Organic Electronics, 2015, 20, 15-23. | 2.6 | 15 |
| 13 | Diarylamino-substituted tetraarylethene (TAE) as an efficient and robust hole transport material for 11% methyl ammonium lead iodide perovskite solar cells. Chemical Communications, 2015, 51, 13980-13982. | 4.1 | 61 |
| 14 | High photocurrent in oligo-thienylenevinylene-based small molecule solar cells with 4.9% solar-to-electrical energy conversion. Journal of Materials Chemistry A, 2015, 3, 11340-11348. | 10.3 | 15 |
| 15 | Unambiguous determination of molecular packing in crystalline donor domains of small molecule solution processed solar cell devices using routine X-ray diffraction techniques. Journal of Materials Chemistry A, 2014, 2, 3536. | 10.3 | 29 |
| 16 | Charge carrier transport and contact selectivity limit the operation of PTB7-based organic solar cells of varying active layer thickness. Journal of Materials Chemistry A, 2013, 1, 12345. | 10.3 | 87 |
| 17 | High open circuit voltage in efficient thiophene-based small molecule solution processed organic solar cells. Organic Electronics, 2013, 14, 2826-2832. | 2.6 | 33 |
| 18 | Novel ZnO nanostructured electrodes for higher power conversion efficiencies in polymeric solar cells. Physical Chemistry Chemical Physics, 2011, 13, 20871. | 2.8 | 32 |