

Esma Ugur

List of Publications by Citations

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papers

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h-index

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g-index

20
ext. papers

1,118
ext. citations

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avg, IF

3.72
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 19 | A Universal Double-Side Passivation for High Open-Circuit Voltage in Perovskite Solar Cells: Role of Carbonyl Groups in Poly(methyl methacrylate). <i>Advanced Energy Materials</i> , 2018 , 8, 1801208 | 21.8 | 268 |
| 18 | Tin Oxide Electron-Selective Layers for Efficient, Stable, and Scalable Perovskite Solar Cells. <i>Advanced Materials</i> , 2021 , 33, e2005504 | 24 | 70 |
| 17 | Room-Temperature-Sputtered Nanocrystalline Nickel Oxide as Hole Transport Layer for p-i-n Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2018 , 1, 6227-6233 | 6.1 | 57 |
| 16 | Damp heat-stable perovskite solar cells with tailored-dimensionality 2D/3D heterojunctions.. <i>Science</i> , 2022 , eabm5784 | 33.3 | 57 |
| 15 | Concurrent cationic and anionic perovskite defect passivation enables 27.4% perovskite/silicon tandems with suppression of halide segregation. <i>Joule</i> , 2021 , 5, 1566-1586 | 27.8 | 43 |
| 14 | Improved Morphology and Efficiency of n-i-p Planar Perovskite Solar Cells by Processing with Glycol Ether Additives. <i>ACS Energy Letters</i> , 2017 , 2, 1960-1968 | 20.1 | 39 |
| 13 | Enhancing the Charge Extraction and Stability of Perovskite Solar Cells Using Strontium Titanate (SrTiO ₃) Electron Transport Layer. <i>ACS Applied Energy Materials</i> , 2019 , 2, 8090-8097 | 6.1 | 26 |
| 12 | Ligand-bridged charge extraction and enhanced quantum efficiency enable efficient n-i-p perovskite/silicon tandem solar cells. <i>Energy and Environmental Science</i> , | 35.4 | 26 |
| 11 | Linked Nickel Oxide/Perovskite Interface Passivation for High-Performance Textured Monolithic Tandem Solar Cells. <i>Advanced Energy Materials</i> , 2101662 | 21.8 | 19 |
| 10 | Eco-Friendly Spray Deposition of Perovskite Films on Macroscale Textured Surfaces. <i>Advanced Materials Technologies</i> , 2020 , 5, 1901009 | 6.8 | 15 |
| 9 | How Humidity and Light Exposure Change the Photophysics of Metal Halide Perovskite Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 2000382 | 7.1 | 13 |
| 8 | Non-toxic and environmentally friendly route for preparation of copper indium sulfide based thin film solar cells. <i>Journal of Alloys and Compounds</i> , 2015 , 640, 468-474 | 5.7 | 12 |
| 7 | Carrier Extraction from Perovskite to Polymeric Charge Transport Layers Probed by Ultrafast Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6921-6928 | 6.4 | 11 |
| 6 | Photon recycling in perovskite solar cells and its impact on device design. <i>Nanophotonics</i> , 2021 , 10, 202362042 | 20.2 | 9 |
| 5 | Toward Stable Monolithic Perovskite/Silicon Tandem Photovoltaics: A Six-Month Outdoor Performance Study in a Hot and Humid Climate. <i>ACS Energy Letters</i> , 2021 , 6, 2944-2951 | 20.1 | 9 |
| 4 | Impact of Residual Lead Iodide on Photophysical Properties of Lead Triiodide Perovskite Solar Cells. <i>Energy Technology</i> , 2020 , 8, 1900627 | 3.5 | 8 |
| 3 | Spray Pyrolysis of Nano-Structured Optical and Electronic Materials 2015 , 127-181 | | 2 |

- 2 Charge Carrier Recombination at Perovskite/Hole Transport Layer Interfaces Monitored by Time-Resolved Spectroscopy. *ACS Energy Letters*,4155-4164 20.1 2
- 1 Unleashing the Full Power of Perovskite/Silicon Tandem Modules with Solar Trackers. *ACS Energy Letters*,1604-1610 20.1 2