# Hao-Wen Cheng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8110217/publications.pdf

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| 20 | 870 | 567281 15 | 752698 20 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 22 | 22 | 22 | 1216 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Unraveling Sunlight by Transparent Organic Semiconductors toward Photovoltaic and Photosynthesis. ACS Nano, 2019, 13, 1071-1077. | 14.6 | 134 |
| 2 | Unique Energy Alignments of a Ternary Material System toward Highâ€Performance Organic Photovoltaics. Advanced Materials, 2018, 30, e1801501. | 21.0 | 116 |
| 3 | Ternary System with Controlled Structure: A New Strategy toward Efficient Organic Photovoltaics. Advanced Materials, 2018, 30, 1705243. | 21.0 | 105 |
| 4 | Efficient Tandem Organic Photovoltaics with Tunable Rear Sub-cells. Joule, 2019, 3, 432-442. | 24.0 | 65 |
| 5 | Sequential Deposition of Donor and Acceptor Provides Highâ€Performance Semitransparent Organic Photovoltaics Having a Pseudo pâ€“iâ€“n Active Layer Structure. Advanced Energy Materials, 2021, 11, 2003576. | 19.5 | 52 |
| 6 | Molecular engineering of side chain architecture of conjugated polymers enhances performance of photovoltaics by tuning ternary blend structures. Nano Energy, 2018, 43, 138-148. | 16.0 | 51 |
| 7 | Potassium-Presenting Zinc Oxide Surfaces Induce Vertical Phase Separation in Fullerene-Free Organic Photovoltaics. Nano Letters, 2020, 20, 715-721. | 9.1 | 48 |
| 8 | Realizing Efficient Charge/Energy Transfer and Charge Extraction in Fullerene-Free Organic Photovoltaics via a Versatile Third Component. Nano Letters, 2019, 19, 5053-5061. | 9.1 | 47 |
| 9 | Toward Highâ€Performance Semitransparent Organic Photovoltaics with Narrowâ€Bandgap Donors and Nonâ€Fullerene Acceptors. Advanced Energy Materials, 2022, 12, . | 19.5 | 45 |
| 10 | Twisted-graphene-like perylene diimide with dangling functional chromophores as tunable small-molecule acceptors in binary-blend active layers of organic photovoltaics. Journal of Materials Chemistry A, 2021, 9, 20510-20517. | 10.3 | 30 |
| 11 | High-Performance Organic Photovoltaics Incorporating an Active Layer with a Few Nanometer-Thick Third-Component Layer on a Binary Blend Layer. Nano Letters, 2021, 21, 2207-2215. | 9.1 | 30 |
| 12 | High-Performance Organic Solar Cells Featuring Double Bulk Heterojunction Structures with Vertical-Gradient Selenium Heterocyclic Nonfullerene Acceptor Concentrations. ACS Applied Materials & Interfaces, 2021, 13, 27227-27236. | 8.0 | 30 |
| 13 | Cathodic plasmaâ€“induced syntheses of graphene nanosheet/MnO2/WO3 architectures and their use in supercapacitors. Electrochimica Acta, 2020, 342, 136043. | 5.2 | 25 |
| 14 | Surface plasmaâ€“induced tunable nitrogen doping through precursors provides 1T-2H MoSe2/graphene sheet composites as electrocatalysts for the hydrogen evolution reaction. Electrochimica Acta, 2022, 426, 140767. | 5.2 | 24 |
| 15 | A review on semitransparent solar cells for agricultural application. Materials Today Energy, 2021, 22, 100852. | 4.7 | 22 |
| 16 | Hydrogen plasma-treated MoSe<sub>2</sub> nanosheets enhance the efficiency and stability of organic photovoltaics. Nanoscale, 2019, 11, 17460-17470. | 5.6 | 14 |
| 17 | Incorporating Indium Selenide Nanosheets into a Polymer/Small Molecule Binary Blend Active Layer Enhances the Long-Term Stability and Performance of Its Organic Photovoltaics. ACS Applied Materials & Interfaces, 2020, 12, 55023-55032. | 8.0 | 12 |
| 18 | Design of a Rigid Scaffold Structure toward Efficient and Stable Organic Photovoltaics. Matter, 2019, 1, 402-411. | 10.0 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Sequential stacking of a thin BHJ layer acting as a morphology regulator for efficiency enhancement in non-fullerene ternary solar cells. Chemical Engineering Journal, 2022, 433, 134337. | 12.7 | 7 |
| 20 | Semiâ€Transparent Organic Photovoltaics: Sequential Deposition of Donor and Acceptor Provides Highâ€Performance Semitransparent Organic Photovoltaics Having a Pseudo pâ€“iâ€“n Active Layer Structure (Adv. Energy Mater. 13/2021). Advanced Energy Materials, 2021, 11, 2170050. | 19.5 | 5 |