

Nathaniel

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

841
citations

1040056

9
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

972
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Efficient Organic Solar Cell with 16.88% Efficiency Enabled by Refined Acceptor Crystallization and Morphology with Improved Charge Transfer and Transport Properties. <i>Advanced Energy Materials</i> , 2020, 10, 1904234. | 19.5 | 402 |
| 2 | High-brightness all-polymer stretchable LED with charge-trapping dilution. <i>Nature</i> , 2022, 603, 624-630. | 27.8 | 170 |
| 3 | A molecular design approach towards elastic and multifunctional polymer electronics. <i>Nature Communications</i> , 2021, 12, 5701. | 12.8 | 75 |
| 4 | Approaching disorder-tolerant semiconducting polymers. <i>Nature Communications</i> , 2021, 12, 5723. | 12.8 | 54 |
| 5 | Efficient n-Doping of Polymeric Semiconductors through Controlling the Dynamics of Solution-State Polymer Aggregates. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8189-8197. | 13.8 | 43 |
| 6 | The effect of side-chain branch position on the thermal properties of poly(3-alkylthiophenes). <i>Polymer Chemistry</i> , 2020, 11, 517-526. | 3.9 | 33 |
| 7 | Branched Polyethylene as a Plasticizing Additive to Modulate the Mechanical Properties of π -Conjugated Polymers. <i>Macromolecules</i> , 2019, 52, 7870-7877. | 4.8 | 27 |
| 8 | High-Performance All-Polymer Solar Cells and Photodetectors Enabled by a High-Mobility n-Type Polymer and Optimized Bulk-Heterojunction Morphology. <i>Chemistry of Materials</i> , 2021, 33, 3746-3756. | 6.7 | 17 |
| 9 | Efficient n-Doping of Polymeric Semiconductors through Controlling the Dynamics of Solution-State Polymer Aggregates. <i>Angewandte Chemie</i> , 2021, 133, 8270-8278. | 2.0 | 12 |
| 10 | Atomic Oxygen-Resistant Epoxy-amines Containing Phenylphosphine Oxide as Low Earth Orbit Stable Polymers. <i>ACS Applied Polymer Materials</i> , 2021, 3, 178-190. | 4.4 | 5 |
| 11 | Non-Fullerene Acceptors: Efficient Organic Solar Cell with 16.88% Efficiency Enabled by Refined Acceptor Crystallization and Morphology with Improved Charge Transfer and Transport Properties (<i>Adv. Energy Mater.</i> 18/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070083. | 19.5 | 3 |