

Bilal Shahid

List of Publications by Year in descending order

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18
papers

465
citations

759233

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839539

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18
times ranked

633
citing authors

#	ARTICLE	IF	CITATIONS
1	Side-chain engineering improves molecular stacking and miscibility for efficient fullerene organic solar cells. <i>Journal of Materials Chemistry C</i> , 2022, 10, 6754-6761.	5.5	8
2	Halogenation effect promoted low bandgap polymers based on asymmetric isoindigo unit with low energy loss. <i>Polymer International</i> , 2020, 69, 564-570.	3.1	5
3	Terpolymer Strategy toward High-Efficiency Polymer Solar Cells: Integrating Symmetric Benzodithiophene and Asymmetrical Thieno[2,3- <i>f</i>]benzofuran Segments. <i>Chemistry of Materials</i> , 2019, 31, 6163-6173.	6.7	47
4	Chlorinated Polymers for Efficient Solar Cells with High Open Circuit Voltage: The Influence of Different Thiazole Numbers. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1900035.	3.9	5
5	Rational Design of Low Band Gap Polymers for Efficient Solar Cells with High Open-Circuit Voltage: The Profound Effect of Me and Cl Substituents with a Similar van Der Waals Radius. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 48155-48161.	8.0	9
6	Tailoring the structures and photonic properties of low-dimensional organic materials by crystal engineering. <i>Nanoscale</i> , 2018, 10, 4680-4685.	5.6	18
7	Alkylthienyl substituted asymmetric 2D BDT and DTBT-based polymer solar cells with a power conversion efficiency of 9.2%. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2371-2378.	10.3	37
8	Thiazole-Induced Quinoid Polymers for Efficient Solar Cells: Influence of Molecular Skeleton, Regioselectivity, and Regioregularity. <i>Chemistry of Materials</i> , 2018, 30, 4639-4645.	6.7	16
9	Naphthalene substituents bonded via the β^2 -position: an extended conjugated moiety can achieve a decent trade-off between optical band gap and open circuit voltage in symmetry-breaking benzodithiophene-based polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9141-9147.	10.3	24
10	Thienothiophene-based copolymers for high-performance solar cells, employing different orientations of the thiazole group as a β -bridge. <i>Energy and Environmental Science</i> , 2017, 10, 614-620.	30.8	109
11	Regulating Molecular Aggregations of Polymers via Ternary Copolymerization Strategy for Efficient Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32126-32134.	8.0	26
12	Single-junction fullerene solar cells with 10% efficiency and high open-circuit voltage approaching 1 V. <i>Nano Energy</i> , 2017, 40, 495-503.	16.0	27
13	High Extinction Coefficient Thieno[3,4- <i>b</i>]thiophene-Based Copolymer for Efficient Fullerene-Free Solar Cells with Large Current Density. <i>Chemistry of Materials</i> , 2017, 29, 6766-6771.	6.7	56
14	Influence of a β -bridge dependent molecular configuration on the optical and electrical characteristics of organic solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8784-8792.	10.3	18
15	Aromatic Heterocycle 1,3,4-Oxadiazole-Substituted Thieno[3,4- <i>b</i>]thiophene to Build Low-Bandgap Polymer for Photovoltaic Application. <i>Macromolecular Rapid Communications</i> , 2015, 36, 2065-2069.	3.9	12
16	Low band-gap polymers based on easily synthesized thioester-substituted thieno[3,4- <i>b</i>]thiophene for polymer solar cells. <i>RSC Advances</i> , 2015, 5, 62336-62342.	3.6	4
17	Dithieno[3,2- <i>b</i> :5,6- <i>d'</i>]silole-based low band gap polymers: the effect of fluorine and side chain substituents on photovoltaic performance. <i>Polymer Chemistry</i> , 2015, 6, 6219-6226.	3.9	18
18	Design, synthesis and photovoltaic properties of two β -bridged cyclopentadithiophene-based polymers. <i>Polymer Chemistry</i> , 2014, 5, 6551-6557.	3.9	26