

Hyung-Shik Shin

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

545
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840776

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#	ARTICLE	IF	CITATIONS
1	Highly stable bulk heterojunction organic solar cells based on asymmetric benzoselenadiazole- π -oriented organic chromophores. <i>International Journal of Energy Research</i> , 2022, 46, 7825-7839.	4.5	5
2	Vertically arranged Mn ₂ O ₃ nanosheets as smart sensing electrode for highly sensitive N-hydroxysuccinimide. <i>Microchemical Journal</i> , 2021, 163, 105912.	4.5	2
3	Justifying benzoselenadiazole acceptor core as organic semiconductor for stable bulk-heterojunction organic solar cells at ambient temperature. <i>Journal of Materiomics</i> , 2021, 7, 1112-1121.	5.7	4
4	Controlled Growth of WO ₃ Pyramidal Thin Film via Hot-Filament Chemical Vapor Deposition: Electrochemical Detection of Ethylenediamine. <i>Chemosensors</i> , 2021, 9, 257.	3.6	3
5	An Effective D- π -A Type Donor Material Based on 4-Fluorobenzoylacetonitrile Core Unit for Bulk Heterojunction Organic Solar Cells. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 646.	2.5	2
6	A symmetric benzoselenadiazole based D- π -A small molecule for solution processed bulk-heterojunction organic solar cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 309-316.	5.8	31
7	Investigation of newly designed asymmetric chromophore in view of power conversion efficiency improvements for organic solar cells. <i>Materials Letters</i> , 2020, 260, 126865.	2.6	8
8	Planar D- π -A Configured Dimethoxy Vinylbenzene Based Small Organic Molecule for Solution-Processed Bulk Heterojunction Organic Solar Cells. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5743.	2.5	5
9	Introductory Chapter: Prospects of Nanostructured Materials. , 2020, , .		0
10	Benzoselenadiazole- π -core asymmetric D- π -A small molecule for solution processed bulk heterojunction organic solar cells. <i>International Journal of Energy Research</i> , 2020, 44, 12100-12111.	4.5	5
11	New energetic indandione based planar donor for stable and efficient organic solar cells. <i>Solar Energy</i> , 2020, 201, 649-657.	6.1	14
12	Underlying effects of diiodooctane as additive on the performance of bulk heterojunction organic solar cells based small organic molecule of isatin-core moiety. <i>Synthetic Metals</i> , 2020, 261, 116304.	3.9	7
13	Electrochemical Detection of Chloride Ions by Copper (II) Complex with Mixed Ligand of Oxindole Derivative and Dithiocarbamates Moiety. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1358.	2.5	1
14	Low temperature HFCVD synthesis of tungsten oxide thin film for high response hydrogen gas sensor application. <i>Materials Letters</i> , 2019, 254, 398-401.	2.6	39
15	Solution processed bulk heterojunction organic solar cells using small organic semiconducting materials based on fluorene core unit. <i>Optical Materials</i> , 2019, 91, 425-432.	3.6	13
16	Stable perovskite solar cells using thiazolo [5,4-d]thiazole-core containing hole transporting material. <i>Nano Energy</i> , 2018, 49, 372-379.	16.0	35
17	Asymmetric, efficient π -conjugated organic semiconducting chromophore for bulk-heterojunction organic photovoltaics. <i>Dyes and Pigments</i> , 2018, 149, 141-148.	3.7	14
18	Perovskite Solar Cells: Influence of Hole Transporting Materials on Power Conversion Efficiency. <i>ChemSusChem</i> , 2016, 9, 10-27.	6.8	267

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19	Efficient spirobifluorene-core electron-donor material for application in solution-processed organic solar cells. <i>Chemical Physics Letters</i> , 2016, 663, 137-144.	2.6	8
20	Effective D-A-D type chromophore of fumaronitrile-core and terminal alkylated bithiophene for solution-processed small molecule organic solar cells. <i>Scientific Reports</i> , 2015, 5, 11143.	3.3	33
21	Furan-bridged thiazolo [5,4-d]thiazole based D-A-D type linear chromophore for solution-processed bulk-heterojunction organic solar cells. <i>RSC Advances</i> , 2015, 5, 6286-6293.	3.6	22
22	Novel liquid crystalline oligomer with thiazolothiazole-acceptor for efficient BHJ small molecule organic solar cells. <i>Synthetic Metals</i> , 2014, 187, 178-184.	3.9	13
23	Novel thiazolothiazole based linear chromophore for small molecule organic solar cells. <i>Chemical Physics Letters</i> , 2013, 574, 89-93.	2.6	14