

Hyung-Shik Shin

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Perovskite Solar Cells: Influence of Hole Transporting Materials on Power Conversion Efficiency. <i>ChemSusChem</i> , 2016, 9, 10-27. | 6.8 | 267 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | A symmetric benzoselenadiazole based D-A-D 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 |
| 6 | 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 |
| 7 | Novel thiazolothiazole based linear chromophore for small molecule organic solar cells. <i>Chemical Physics Letters</i> , 2013, 574, 89-93. | 2.6 | 14 |
| 8 | Asymmetric, efficient π -conjugated organic semiconducting chromophore for bulk-heterojunction organic photovoltaics. <i>Dyes and Pigments</i> , 2018, 149, 141-148. | 3.7 | 14 |
| 9 | New energetic indandione based planar donor for stable and efficient organic solar cells. <i>Solar Energy</i> , 2020, 201, 649-657. | 6.1 | 14 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | Planar D-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 |
| 16 | Benzoselenadiazole-core asymmetric D-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 |
| 17 | Highly stable bulk heterojunction organic solar cells based on asymmetric benzoselenadiazole-oriented organic chromophores. <i>International Journal of Energy Research</i> , 2022, 46, 7825-7839. | 4.5 | 5 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | Introductory Chapter: Prospects of Nanostructured Materials. , 2020, , . | | 0 |