

Kwang Hun Park

List of Publications by Year in descending order

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16
papers

416
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840776

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940533

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docs citations

17
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857
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the alkyl spacer length on the electrical performance of diketopyrrolopyrrole-thiophene vinylene thiophene polymer semiconductors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11697-11704.	5.5	62
2	Recently Advanced Polymer Materials Containing Dithieno[3,2- <i>b</i> :2',3'- <i>d</i>]phosphole Oxide for Efficient Charge Transfer in High-Performance Solar Cells. <i>Advanced Functional Materials</i> , 2015, 25, 3991-3997.	14.9	56
3	Isoidigo-based polymer field-effect transistors: effects of selenophene-substitution on high charge carrier mobility. <i>Chemical Communications</i> , 2015, 51, 8120-8122.	4.1	46
4	High-performance diketopyrrolopyrrole-based organic field-effect transistors for flexible gas sensors. <i>Organic Electronics</i> , 2015, 23, 76-81.	2.6	44
5	Achieving Thickness-Insensitive Morphology of the Photoactive Layer for Printable Organic Photovoltaic Cells via Side Chain Engineering in Nonfullerene Acceptors. <i>Advanced Energy Materials</i> , 2019, 9, 1900044.	19.5	39
6	The effect of branched versus linear alkyl side chains on the bulk heterojunction photovoltaic performance of small molecules containing both benzodithiophene and thienopyrroledione. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 19874-19883.	2.8	34
7	High Charge-Carrier Mobility of $2.5 \text{ cm}^2 \text{ V}^{-1} \text{ s}^{-1}$ from a Water-Borne Colloid of a Polymeric Semiconductor via Smart Surfactant Engineering. <i>Advanced Materials</i> , 2015, 27, 5587-5592.	21.0	31
8	Fine Molecular Tuning of Diketopyrrolopyrrole-Based Polymer Semiconductors for Efficient Charge Transport: Effects of Intramolecular Conjugation Structure. <i>Macromolecules</i> , 2017, 50, 4227-4234.	4.8	31
9	Highly twisted pyrene derivatives for non-doped blue OLEDs. <i>Dyes and Pigments</i> , 2016, 128, 19-25.	3.7	24
10	A new class of organic semiconductors for solution processed OTFTs: Synthesis and characterization of pyrrolo-perylene derivatives with different end groups. <i>Dyes and Pigments</i> , 2014, 103, 214-221.	3.7	12
11	Colloids of semiconducting polymers for high-performance, environment-friendly polymer field effect transistors. <i>Organic Electronics</i> , 2015, 24, 160-164.	2.6	11
12	Preferential Orientation of Tetrahedral Silicon-Based Hosts in Phosphorescent Organic Light-Emitting Diodes. <i>ACS Omega</i> , 2018, 3, 9989-9996.	3.5	9
13	Recent progress in lactam-based polymer semiconductors for organic electronic devices. <i>Journal of Polymer Science</i> , 2022, 60, 429-485.	3.8	9
14	Control of consistent ordering in π -conjugated polymer films for organic field-effect transistor applications. <i>RSC Advances</i> , 2016, 6, 70733-70739.	3.6	6
15	Surfactant Engineering: High Charge-Carrier Mobility of $2.5 \text{ cm}^2 \text{ V}^{-1} \text{ s}^{-1}$ from a Water-Borne Colloid of a Polymeric Semiconductor via Smart Surfactant Engineering (<i>Adv. Mater.</i> 37/2015). <i>Advanced Materials</i> , 2015, 27, 5624-5624.	21.0	1
16	Highly-twisted pyrene derivative for pure-blue organic light emitting diodes. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 78, 239-245.	5.8	0