

Prakash Sista

List of Publications by Year in descending order

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35
papers

1,319
citations

331670

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all docs

36
docs citations

36
times ranked

2106
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimuli-Responsive Genetically Engineered Polymer Hydrogel Demonstrates Emergent Optical Responses. ACS Biomaterials Science and Engineering, 2016, 2, 1135-1142.	5.2	4
2	Probing the origin of photocurrent in nanoparticulate organic photovoltaics. Solar Energy Materials and Solar Cells, 2015, 140, 412-421.	6.2	35
3	Donor-acceptor semiconducting polymers based on pyromellitic diimide. Journal of Polymer Science Part A, 2015, 53, 1617-1622.	2.3	6
4	Solvatochromism and Conformational Changes in Fully Dissolved Poly(3-alkylthiophene)s. Langmuir, 2015, 31, 458-468.	3.5	28
5	Progress in the Synthesis of Poly (3-hexylthiophene). Advances in Polymer Science, 2014, , 1-38.	0.8	11
6	Temperature-dependent morphology of hybrid nanoflowers from elastin-like polypeptides. APL Materials, 2014, 2, .	5.1	41
7	Metallo-Biopolymers: Conjugation Strategies and Applications. Polymer Reviews, 2014, 54, 627-676.	10.9	11
8	Polythiophenes in Biological Applications. Journal of Nanoscience and Nanotechnology, 2014, 14, 250-272.	0.9	33
9	The effect of polymer molecular weight on P3HT:PCBM nanoparticulate organic photovoltaic device performance. Solar Energy Materials and Solar Cells, 2014, 128, 369-377.	6.2	47
10	Quantifying Crystallinity in High Molar Mass Poly(3-hexylthiophene). Macromolecules, 2014, 47, 3942-3950.	4.8	95
11	Phenothiazine Semiconducting Polymer for Light-Emitting Diodes. Macromolecular Chemistry and Physics, 2013, 214, 572-577.	2.2	14
12	Role of the transition metal in Grignard metathesis polymerization (GRIM) of 3-hexylthiophene. Journal of Materials Chemistry A, 2013, 1, 12841.	10.3	27
13	Self-assembly of a conjugated triblock copolymer at the air-water interface. Soft Matter, 2013, 9, 8050.	2.7	11
14	Donor-acceptor semiconducting polymers for organic solar cells. Journal of Polymer Science Part A, 2013, 51, 743-768.	2.3	206
15	Nano-domain behaviour in P3HT:PCBM nanoparticles, relating material properties to morphological changes. Solar Energy Materials and Solar Cells, 2013, 117, 437-445.	6.2	60
16	Synthesis and photovoltaic performance of donor-acceptor polymers containing benzo[1,2-b:4,5-b']dithiophene with thienyl substituents. Journal of Polymer Science Part A, 2013, 51, 2622-2630.	2.3	16
17	Non-Dependence of Polymer to PCBM Weight Ratio on the Performance of Bulk Heterojunction Solar Cells with Benzodithiophene Donor Polymer. Science of Advanced Materials, 2013, 5, 512-518.	0.7	3
18	Influence of the Alkyl Substituents Spacing on the Solar Cell Performance of Benzodithiophene Semiconducting Polymers. Macromolecules, 2012, 45, 772-780.	4.8	26

#	ARTICLE	IF	CITATIONS
19	Electronic Properties-Morphology Correlation of a Rod-Rod Semiconducting Liquid Crystalline Block Copolymer Containing Poly(3-hexylthiophene). <i>Langmuir</i> , 2012, 28, 12762-12770.	3.5	28
20	Donor-Acceptor Semiconducting Polymers Containing Benzodithiophene with Bithienyl Substituents. <i>Macromolecules</i> , 2012, 45, 7855-7862.	4.8	44
21	Grignard metathesis (GRIM) polymerization for the synthesis of conjugated block copolymers containing regioregular poly(3-hexylthiophene). <i>Polymer Chemistry</i> , 2012, 3, 1693-1701.	3.9	115
22	Synthesis, reactivity, and optoelectronic properties of poly(3-alkenylthiophene) diblock copolymers. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3086-3094.	2.3	20
23	Synthesis and optoelectronic properties of novel benzodifuran semiconducting polymers. <i>Journal of Polymer Science Part A</i> , 2012, 50, 4316-4324.	2.3	18
24	Synthesis and Polymerization of Fused-Ring Thienodipyrrole Monomers. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 425-430.	2.2	15
25	Benzo[1,2-b:4,5-b']dithiophene Building Block for the Synthesis of Semiconducting Polymers. <i>Macromolecular Rapid Communications</i> , 2012, 33, 9-20.	3.9	72
26	Temperature-sensitive aliphatic polyesters: synthesis and characterization of β -substituted caprolactone monomers and polymers. <i>Journal of Materials Chemistry</i> , 2011, 21, 10623.	6.7	41
27	Block copolymer containing poly(3-hexylthiophene) and poly(4-vinylpyridine): Synthesis and its interaction with CdSe quantum dots for hybrid organic applications. <i>Journal of Polymer Science Part A</i> , 2011, 49, 1802-1808.	2.3	47
28	Enhancement of OFET performance of semiconducting polymers containing benzodithiophene upon surface treatment with organic silanes. <i>Journal of Polymer Science Part A</i> , 2011, 49, 2292-2302.	2.3	34
29	Synthesis, characterization, and computational modeling of benzodithiophene donor-acceptor semiconducting polymers. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4172-4179.	2.3	11
30	Synthesis and Characterization of a Block Copolymer Containing Regioregular Poly(3-hexylthiophene) and Poly(β -benzyl-L-glutamate). <i>Macromolecular Rapid Communications</i> , 2011, 32, 302-308.	3.9	36
31	Nickel(II) β -Diimine Catalyst for Grignard Metathesis (GRIM) Polymerization. <i>Macromolecular Rapid Communications</i> , 2011, 32, 1748-1752.	3.9	33
32	Amphiphilic Block Copolymers Containing Regioregular Poly(3-hexylthiophene) and Poly(2-ethyl-2-oxazoline). <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1291-1297.	2.2	40
33	Synthesis and characterization of polythiophenes with alkenyl substituents. <i>Polymer Chemistry</i> , 2010, 1, 1624.	3.9	18
34	Synthesis and Electronic Properties of Semiconducting Polymers Containing Benzodithiophene with Alkyl Phenylethynyl Substituents. <i>Macromolecules</i> , 2010, 43, 8063-8070.	4.8	63
35	β -Hairpins with native-like and non-native hydrogen bonding patterns could form during the refolding of staphylococcal nuclease. <i>Journal of Molecular Graphics and Modelling</i> , 2006, 25, 103-115.	2.4	10