

Surya Prakash Singh

List of Publications by Year in descending order

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130
papers

3,587
citations

147801

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175258

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131
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times ranked

5369
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel perylenediimide molecule: Synthesis, structural property relationship and nanoarchitectonics. <i>Journal of Solid State Chemistry</i> , 2022, 306, 122687.	2.9	4
2	Effects of methoxy group(s) on D-π-A porphyrin based DSSCs: efficiency enhanced by co-sensitization. <i>Materials Chemistry Frontiers</i> , 2022, 6, 580-592.	5.9	19
3	A phenothiazine-fused electroactive bilayer helicene: design, synthesis, ACQ-to-AIE transformation and photophysical properties. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5173-5182.	5.5	10
4	Aza-dipyrrinato ruthenium sensitizers for enhancement of Light-Harvesting ability of Dye-Sensitized solar cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 275, 121131.	3.9	2
5	Efficient Medium Bandgap Electron Acceptor Based on Diketopyrrolopyrrole and Furan for Efficient Ternary Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, , .	8.0	7
6	[1]Benzothieno[3,2- <i>b</i>][1]benzothiophene-based dyes: effect of the ancillary moiety on mechanochromism and aggregation-induced emission. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 15110-15120.	2.8	7
7	Photoinduced Borylation Reactions: An Overview. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 7-37.	2.7	19
8	Pyridyl-functionalized spiro[fluorene-xanthene] as a dopant-free hole-transport material for stable perovskite solar cells. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7276-7285.	5.9	15
9	Peptide-based novel small molecules and polymers: unexplored optoelectronic materials. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12462-12488.	5.5	8
10	Structural and optical properties of ionic liquid-based hybrid perovskitoid: A combined experimental and theoretical investigation. <i>Functional Materials Letters</i> , 2021, 14, 2150008.	1.2	1
11	Blue-red emitting 2,12-disubstituted [5]helicenes for high fluorescence efficiency and sensing application. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 411, 113203.	3.9	1
12	Distyryl 1,2-Bis(2-pyridylmethoxy) benzene substituted near-infrared BODIPY photosensitizers: synthesis and spectroscopic studies. <i>Journal of Chemical Sciences</i> , 2021, 133, 1.	1.5	4
13	The effect of alkylamines on the morphology and optical properties of organic perovskites. <i>Solar Energy</i> , 2021, 226, 483-488.	6.1	6
14	Carbazole core derived dyes: New non-fullerene acceptor for all small-molecule organic solar cells with very high open-circuit voltage of 1.12V. <i>Dyes and Pigments</i> , 2021, 194, 109606.	3.7	1
15	Advances in BODIPY photocleavable protecting groups. <i>Coordination Chemistry Reviews</i> , 2021, 449, 214193.	18.8	30
16	Panchromatic aza-Bodipy based π-conjugates. <i>New Journal of Chemistry</i> , 2021, 45, 7792-7798.	2.8	5
17	An indacenodithiophene core moiety for organic solar cells. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7724-7736.	5.9	10
18	Unraveling the unusual effect of fluorination on crystal packing in an organic semiconductor. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 1665-1673.	2.8	16

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19	Lead-free Halides Perovskite Visible Light Photoredox Catalysts for Organic Synthesis. <i>Chemical Record</i> , 2020, 20, 1181-1197.	5.8	10
20	Phenothiazine-Based Hole Transport Materials for Perovskite Solar Cells. <i>ACS Omega</i> , 2020, 5, 5608-5619.	3.5	36
21	Trifluoromethyl-Directed Supramolecular Self-Assembly of Fullerenes: Synthesis, Characterization and Photovoltaic Applications. <i>ChemistrySelect</i> , 2020, 5, 1115-1121.	1.5	2
22	Lead-free, Water-stable $\text{A}_{3}\text{B}_{2}\text{I}_{9}$ Perovskites: Crystal Growth and Blue-emitting Quantum Dots [$\text{A}=\text{CH}_{3}\text{NH}_{3}^{+}$, Cs^{+} , and ($\text{Rb}_{0.05}\text{Cs}_{2.95}$) $^{+}$]. <i>Chemistry - A European Journal</i> , 2020, 26, 10519-10527.	3.3	12
23	Near-Infrared (>1000 nm) Light Harvesters: Design, Synthesis and Applications. <i>Chemistry - A European Journal</i> , 2020, 26, 16582-16593.	3.3	25
24	Application of small molecules based on a dithienogermole core in bulk heterojunction organic solar cells and perovskite solar cells. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2168-2175.	5.9	8
25	Frontispiece: Near-Infrared (>1000 nm) Light Harvesters: Design, Synthesis and Applications. <i>Chemistry - A European Journal</i> , 2020, 26, .	3.3	0
26	A 9.16% Power Conversion Efficiency Organic Solar Cell with a Porphyrin Conjugated Polymer Using a Nonfullerene Acceptor. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28078-28087.	8.0	17
27	Efficient near IR porphyrins containing a triphenylamine-substituted anthryl donating group for dye sensitized solar cells. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13594-13605.	5.5	29
28	Impact of "D"-Structured Dithienosilole and Phenoxazine-Based Small Molecular Material for Bulk Heterojunction and Dopant-free Perovskite Solar Cells. <i>Chemistry - A European Journal</i> , 2019, 25, 16320-16327.	3.3	11
29	Impact of end groups on the performance of non-fullerene acceptors for organic solar cell applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22701-22729.	10.3	98
30	Energy Transfer Dynamics of Highly Stable Fe^{3+} Doped CsPbCl_{3} Perovskite Nanocrystals with Dual-Color Emission. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17026-17034.	3.1	41
31	Effectiveness of Solvent Vapor Annealing over Thermal Annealing on the Photovoltaic Performance of Non-Fullerene Acceptor Based BHJ Solar Cells. <i>Scientific Reports</i> , 2019, 9, 8529.	3.3	31
32	Panchromatic sensitization of new terpyridine ligated thiocyanate-free Ru-complex. <i>Solar Energy</i> , 2019, 188, 305-311.	6.1	2
33	$\text{MA}_{2}\text{CoBr}_{4}$: lead-free cobalt-based perovskite for electrochemical conversion of water to oxygen. <i>Chemical Communications</i> , 2019, 55, 6779-6782.	4.1	13
34	Functional I^{\ominus} -conjugated tetrathiafulvalene decorated with benzothiadiazole organic sensitizers for dye sensitized solar cells. <i>New Journal of Chemistry</i> , 2019, 43, 8919-8929.	2.8	10
35	New dithienosilole- and dithienogermole-based BODIPY for solar cell applications. <i>New Journal of Chemistry</i> , 2019, 43, 8735-8740.	2.8	23
36	Simple diphenylamine based "I" type sensitizers/co-sensitizers for DSSCs: a comprehensive study on the impact of anchoring groups. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10603-10613.	2.8	17

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37	Reactions in Water – A Greener Approach Using Ruthenium Catalysts. <i>Chemical Record</i> , 2019, 19, 1935-1951.	5.8	4
38	Ni-Doped CsPbBr ₃ Perovskite: Synthesis of Highly Stable Nanocubes. <i>Langmuir</i> , 2019, 35, 17150-17155.	3.5	27
39	Butterfly architecture of NIR Aza-BODIPY small molecules decorated with phenothiazine or phenoxazine. <i>Chemical Communications</i> , 2019, 55, 12535-12538.	4.1	22
40	An all-small-molecule organic solar cell derived from naphthalimide for solution-processed high-efficiency nonfullerene acceptors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 709-717.	5.5	15
41	New indolo carbazole-based non-fullerene n-type semiconductors for organic solar cell applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 543-552.	5.5	26
42	Highly Efficient Benzo-Furan-Based Electron Acceptor Derived from One-Pot Synthesis for High-Performance Bulk Heterojunction Solar Cells. <i>ACS Applied Energy Materials</i> , 2019, 2, 1019-1025.	5.1	3
43	Recent Advances in Halide-Based Perovskite Crystals and Their Optoelectronic Applications. <i>Crystal Growth and Design</i> , 2018, 18, 2645-2664.	3.0	75
44	Study on Liposomal Encapsulation of New Bodipy Sensitizers for Photodynamic Therapy. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 323-327.	2.8	22
45	A fluorene-core-based electron acceptor for fullerene-free BHJ organic solar cells – towards power conversion efficiencies over 10%. <i>Chemical Communications</i> , 2018, 54, 4001-4004.	4.1	26
46	Impact of rotamer diversity on the self-assembly of nearly isostructural molecular semiconductors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 383-394.	10.3	18
47	Solvent-Assisted Tuning of the Size and Shape of CsPbBr ₃ Nanocrystals via Redispersion Process at Ambient Condition. <i>Langmuir</i> , 2018, 34, 15507-15516.	3.5	9
48	Molecular Engineering and Structure-Related Properties of Squaraine Dyes Based on the Core and Wings Concept. <i>ACS Omega</i> , 2018, 3, 15416-15425.	3.5	1
49	Kinetics of dye regeneration in liquid electrolyte unveils efficiency of 10.5% in dye-sensitized solar cells. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11444-11456.	5.5	18
50	Benzodithiazole-Based Hole-Transporting Material for Efficient Perovskite Solar Cells. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2497-2503.	2.7	8
51	Synthesis and Optoelectrical Characterization of Novel Squaraine Dyes Derived from Benzothiophene and Benzofuran. <i>ACS Omega</i> , 2018, 3, 13919-13927.	3.5	5
52	D ₂ -Structured Diketopyrrolopyrrole-Based Electron Donors for Solution-Processed Organic Solar Cells. <i>ACS Omega</i> , 2018, 3, 13365-13373.	3.5	19
53	Synthesis of Multichromophoric Asymmetrical Squaraine Sensitizer via C-H Arylation for See-through Photovoltaic. <i>ACS Applied Energy Materials</i> , 2018, 1, 4786-4793.	5.1	16
54	Reversible Fluorescence Modulation in a Dyad Comprising Phenothiazine Derivative and Spiropyran. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2254-2262.	2.7	3

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55	Ruthenium-bipyridine complex catalyzed C-H alkenylation of arylpyrazole derivatives. <i>Journal of Chemical Sciences</i> , 2018, 130, 1.	1.5	1
56	Access to small molecule semiconductors via C-H activation for photovoltaic applications. <i>Chemical Communications</i> , 2018, 54, 7322-7325.	4.1	9
57	High Affinity Neutral Bodipy Fluorophores for Mitochondrial Tracking. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 618-622.	2.8	22
58	Effect of spacers and anchoring groups of extended π -conjugated tetrathiafulvalene based sensitizers on the performance of dye sensitized solar cells. <i>Sustainable Energy and Fuels</i> , 2017, 1, 345-353.	4.9	20
59	Spin-orbit coupling and Lorentz force enhanced efficiency of TiO ₂ -based dye sensitized solar cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600691.	1.8	6
60	Donor-Acceptor Based Stable Porphyrin Sensitizers for Dye-Sensitized Solar Cells: Effect of π -Conjugated Spacers. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6464-6477.	3.1	101
61	Heteroleptic Ru(II) cyclometalated complexes derived from benzimidazole-phenyl carbene ligands for dye-sensitized solar cells: an experimental and theoretical approach. <i>Materials Chemistry Frontiers</i> , 2017, 1, 947-957.	5.9	12
62	Bulky Nature Phenanthroimidazole-Based Porphyrin Sensitizers for Dye-Sensitized Solar Cell Applications. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25691-25704.	3.1	26
63	Ultrafast Fluorescence Photoswitch Incorporating Diketopyrrolopyrrole and Benzo[1,3]oxazine. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27313-27326.	3.1	6
64	Solution-Processed Organic Solar Cells Using New Electron Acceptor Derived from Naphthalene and Fluorene Unit. <i>ChemistrySelect</i> , 2017, 2, 7913-7917.	1.5	4
65	Multichromophore Donor Materials Derived from Diketopyrrolopyrrole and Phenoxazine: Design, Synthesis, and Photovoltaic Performance. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4896-4904.	2.4	7
66	Design and synthesis of ruthenium bipyridine catalyst: An approach towards low-cost hydroxylation of arenes and heteroarenes. <i>Tetrahedron Letters</i> , 2017, 58, 3743-3746.	1.4	12
67	One-Step Synthesis of New Electron Acceptor for High Efficiency Solution Processable Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26615-26621.	3.1	11
68	A simple fluorene core-based non-fullerene acceptor for high performance organic solar cells. <i>Chemical Communications</i> , 2017, 53, 12790-12793.	4.1	33
69	Molecular Engineering of Highly Efficient Small Molecule Nonfullerene Acceptor for Organic Solar Cells. <i>Advanced Functional Materials</i> , 2017, 27, 1603820.	14.9	53
70	High performance dye anchored counter electrodes with a SPSQ2 sensitizer for dye sensitized solar cell applications. <i>Materials Chemistry Frontiers</i> , 2017, 1, 735-740.	5.9	6
71	Stable and charge recombination minimized π -extended thioalkyl substituted tetrathiafulvalene dye-sensitized solar cells. <i>Materials Chemistry Frontiers</i> , 2017, 1, 460-467.	5.9	30
72	Enhanced Photovoltaic Performance via Co-sensitization of Ruthenium (II)-Based Complex Sensitizers with Metal-Free Indoline Dye in Dye-Sensitized Solar Cells. <i>Organic Photonics and Photovoltaics</i> , 2017, 5, .	1.3	4

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73	Achieving the highest efficiency using a BODIPY core decorated with dithiafulvalene wings for small molecule based solution-processed organic solar cells. <i>Chemical Communications</i> , 2017, 53, 6953-6956.	4.1	33
74	Prospects of Graphene as a Potential Carrier-Transport Material in Third-Generation Solar Cells. <i>Chemical Record</i> , 2016, 16, 614-632.	5.8	14
75	Self-assembled C60 Fullerene Cylindrical nanotubes by LLIP method. , 2016, , .		0
76	Highly Directional 1D Supramolecular Assembly of New Diketopyrrolopyrrole-Based Gel for Organic Solar Cell Applications. <i>Langmuir</i> , 2016, 32, 4346-4351.	3.5	48
77	Near-infrared squaraine co-sensitizer for high-efficiency dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14279-14285.	2.8	41
78	High performance dye-sensitized solar cell from a cocktail solution of a ruthenium dye and metal free organic dye. <i>RSC Advances</i> , 2016, 6, 41151-41155.	3.6	15
79	High-Performance Non-Fullerene Acceptor Derived from Diathiafulvalene Wings for Solution-Processed Organic Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24615-24622.	3.1	21
80	Synthesis and Spectroscopic Investigation of Diketopyrrolopyrrole - Spiropyran Dyad for Fluorescent Switch Application. <i>Journal of Fluorescence</i> , 2016, 26, 1939-1949.	2.5	13
81	An Organic Dyad Composed of Diathiafulvalene-Functionalized Diketopyrrolopyrrole-Fullerene for Single-Component High-Efficiency Organic Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12334-12337.	13.8	56
82	An Organic Dyad Composed of Diathiafulvalene-Functionalized Diketopyrrolopyrrole-Fullerene for Single-Component High-Efficiency Organic Solar Cells. <i>Angewandte Chemie</i> , 2016, 128, 12522-12525.	2.0	9
83	Dithienogermole-based solution-processed molecular solar cells with efficiency over 9%. <i>Chemical Communications</i> , 2016, 52, 8596-8599.	4.1	49
84	New Electron Acceptor Derived from Fluorene: Synthesis and Its Photovoltaic Properties. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13390-13397.	3.1	19
85	Near-infrared unsymmetrical blue and green squaraine sensitizers. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 287-296.	2.9	19
86	NIR absorbing D-structured diketopyrrolopyrrole-dithiafulvalene based small molecule for solution processed organic solar cells. <i>Chemical Communications</i> , 2016, 52, 210-213.	4.1	38
87	Solvent-Free Ruthenium(II)-Catalyzed C-H Activation: Synthesis of Alkenylarylpyrazole Derivatives. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6025-6032.	2.4	17
88	Carbon Dots: The Newest Member of the Carbon Nanomaterials Family. <i>Chemical Record</i> , 2015, 15, 595-615.	5.8	108
89	Shape tunable synthesis of Eu- and Sm-doped ZnO microstructures: a morphological evaluation. <i>Bulletin of Materials Science</i> , 2015, 38, 1519-1525.	1.7	32
90	Osmium Polypyridyl Complexes and Their Applications to Dye-Sensitized Solar Cells. <i>Chemical Record</i> , 2015, 15, 457-474.	5.8	15

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91	Cowrie-shell architectures: Low temperature growth of Ni doped CdS film. <i>Journal of Alloys and Compounds</i> , 2015, 649, 553-558.	5.5	6
92	Recent advances in flexible perovskite solar cells. <i>Chemical Communications</i> , 2015, 51, 14696-14707.	4.1	78
93	Copper conductive inks: synthesis and utilization in flexible electronics. <i>RSC Advances</i> , 2015, 5, 63985-64030.	3.6	148
94	Benzimidazole-functionalized ancillary ligands for heteroleptic Ru(II) complexes: synthesis, characterization and dye-sensitized solar cell applications. <i>Dalton Transactions</i> , 2015, 44, 14697-14706.	3.3	26
95	Calibration independent estimation of optical constants using terahertz time-domain spectroscopy. <i>Microwave and Optical Technology Letters</i> , 2015, 57, 1861-1864.	1.4	10
96	Perovskite solar cells based on small molecule hole transporting materials. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18329-18344.	10.3	88
97	Simple Metal-Free Dyes Derived from Triphenylamine for DSSC: A Comparative Study of Two Different Anchoring Group. <i>Electrochimica Acta</i> , 2015, 169, 256-263.	5.2	30
98	Dithiafulvalene functionalized diketopyrrolopyrrole based sensitizers for efficient hydrogen production. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13710-13718.	2.8	22
99	Conductive silver inks and their applications in printed and flexible electronics. <i>RSC Advances</i> , 2015, 5, 77760-77790.	3.6	162
100	First Study on Phosphonite-Coordinated Ruthenium Sensitizers for Efficient Photocatalytic Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19635-19642.	8.0	27
101	Tuning of spectral response by co-sensitization in black-dye based dye-sensitized solar cell. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 651-656.	1.8	14
102	CH ₃ NH ₃ PbI ₃ Perovskite Sensitized Solar Cells Using a D-A Copolymer as Hole Transport Material. <i>Electrochimica Acta</i> , 2015, 151, 21-26.	5.2	53
103	Cu-implanted ZnO nanorods array film: An aqueous synthetic approach. <i>Journal of Alloys and Compounds</i> , 2015, 618, 421-427.	5.5	6
104	The Cobalt-Catalyzed Cross-Coupling Reaction of Alkyl Halides with Alkyl Grignard Reagents: A New Route to Constructing Quaternary Carbon Centers. <i>Synthesis</i> , 2014, 46, 1583-1592.	2.3	27
105	meso-Substituted BODIPY fluorescent probes for cellular bio-imaging and anticancer activity. <i>RSC Advances</i> , 2014, 4, 47409-47413.	3.6	27
106	Evolution of BODIPY Dyes as Potential Sensitizers for Dye-Sensitized Solar Cells. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 4689-4707.	2.4	189
107	Near Infrared Organic Semiconducting Materials for Bulk Heterojunction and Dye-Sensitized Solar Cells. <i>Chemical Record</i> , 2014, 14, 419-481.	5.8	20
108	Organometal halide perovskites as useful materials in sensitized solar cells. <i>Dalton Transactions</i> , 2014, 43, 5247.	3.3	65

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109	Synthesis of Carbon Dots from Kitchen Waste: Conversion of Waste to Value Added Product. Journal of Fluorescence, 2014, 24, 1767-1773.	2.5	94
110	Indole and triisopropyl phenyl as capping units for a diketopyrrolopyrrole (DPP) acceptor central unit: an efficient D-A-D type small molecule for organic solar cells. RSC Advances, 2014, 4, 732-742.	3.6	23
111	Efficient organic-inorganic hybrid perovskite solar cells processed in air. Physical Chemistry Chemical Physics, 2014, 16, 24691-24696.	2.8	61
112	Low Temperature Mn Doped ZnO Nanorod Array: Synthesis and Its Photoluminescence Behavior. Industrial & Engineering Chemistry Research, 2014, 53, 9383-9390.	3.7	48
113	Highly conjugated electron rich thiophene antennas on phenothiazine and phenoxazine-based sensitizers for dye sensitized solar cells. Synthetic Metals, 2014, 195, 208-216.	3.9	36
114	Co-sensitization of amphiphilic ruthenium (II) sensitizer with a metal free organic dye: Improved photovoltaic performance of dye sensitized solar cells. Organic Electronics, 2013, 14, 1237-1241.	2.6	43
115	2,6-Bis(1-methylbenzimidazol-2-yl)pyridine: A New Ancillary Ligand for Efficient Thiocyanate-Free Ruthenium Sensitizer in Dye-Sensitized Solar Cell Applications. ACS Applied Materials & Interfaces, 2013, 5, 11623-11630.	8.0	21
116	Efficient dye-sensitized solar cells based on cosensitized metal free organic dyes with complementary absorption spectra. Journal of Renewable and Sustainable Energy, 2013, 5, .	2.0	15
117	4,4'-Unsymmetrically substituted-2,2'-bipyridines: novel bidentate ligands on ruthenium(ii) [3 + 2 + 1] mixed ligand complexes for efficient sensitization of nanocrystalline TiO ₂ in dye solar cells. RSC Advances, 2013, 3, 26035.	3.6	9
118	Cosensitization of dye sensitized solar cells with a thiocyanate free Ru dye and a metal free dye containing thienylfluorene conjugation. RSC Advances, 2013, 3, 6036.	3.6	63
119	Enhanced Light Harvesting Capability of a Panchromatic Ru(II) Sensitizer Based on Extended Terpyridine with a 4-Methylstyryl Group for Dye-Sensitized Solar Cells. Advanced Functional Materials, 2013, 23, 1817-1823.	14.9	82
120	High efficiency polymer solar cells based on phenylenevinylene copolymer with BF ₂ -azopyrrole complex and CN ₇₀ BM with solvent additive. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 1612-1618.	2.1	7
121	One bipyridine and triple advantages: tailoring ancillary ligands in ruthenium complexes for efficient sensitization in dye solar cells. Journal of Materials Chemistry, 2012, 22, 18757.	6.7	21
122	Efficient thiocyanate-free sensitizer: a viable alternative to N719 dye for dye-sensitized solar cells. Dalton Transactions, 2012, 41, 7604.	3.3	27
123	Improvement in the power conversion efficiency of thiocyanate-free Ru(ii) based dye sensitized solar cells by cosensitization with a metal-free dye. Journal of Materials Chemistry, 2012, 22, 18788.	6.7	27
124	Effect of linker used in D-A-D metal free dyes with different π -spacers for dye sensitized solar cells. Organic Electronics, 2012, 13, 3108-3117.	2.6	21
125	Highly efficient nanoporous graphitic carbon with tunable textural properties for dye-sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 20866.	6.7	29
126	Photophysical, electrochemical and photovoltaic properties of dye sensitized solar cells using a series of pyridyl functionalized porphyrin dyes. RSC Advances, 2012, 2, 12899.	3.6	76

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127	Synthesis of a Modified PC ₇₀ BM and Its Application as an Electron Acceptor with Poly(3-hexylthiophene) as an Electron Donor for Efficient Bulk Heterojunction Solar Cells. <i>Advanced Functional Materials</i> , 2012, 22, 4087-4095.	14.9	39
128	A novel metal-free panchromatic TiO ₂ sensitizer based on a phenylenevinylene-conjugated unit and an indoline derivative for highly efficient dye-sensitized solar cells. <i>Chemical Communications</i> , 2011, 47, 12400.	4.1	64
129	Dye-Sensitized Solar Cells Based on High Surface Area Nanocrystalline Zinc Oxide Spheres. <i>Advances in OptoElectronics</i> , 2011, 2011, 1-5.	0.6	2
130	Highly Efficient Sulfimidation of 1,3-dithianes by Cu(I) Complexes. <i>Synthetic Communications</i> , 2008, 38, 619-625.	2.1	4