

# Hiroshi Imahori

## List of Publications by Year in descending order

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443  
papers

27,464  
citations

4370

86  
h-index

8835

145  
g-index

483  
all docs

483  
docs citations

483  
times ranked

16693  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis of an ambient stable pyreno[4,5-b]pyrrole monoanion and pyreno[4,5-b:9,10-b'â€²]dipyrrole dianion: from serendipity to design. <i>Chemical Science</i> , 2022, 13, 1594-1599.	3.7	5
2	Donor-Î€-Acceptor Type Porphyrin-Fullerene Dyad with Acetylene Bridge for p-Type Dye-sensitized Solar Cell. <i>Chemistry Letters</i> , 2022, 51, 260-263.	0.7	1
3	Emergence of Copper(I/II) Complexes as Third-Generation Redox Shuttles for Dye-Sensitized Solar Cells. <i>ACS Energy Letters</i> , 2022, 7, 1926-1938.	8.8	25
4	Rational Design of Dyes and Donor-Acceptor Type Molecules for Organic Solar Cells. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 902-902.	0.0	0
5	Development of clean performance-tunable waterborne polyurethane using acetyl tributyl citrate for transferable holographic films. <i>Journal of Cleaner Production</i> , 2021, 279, 123496.	4.6	18
6	Synthesis of thiophene-fused porphyrin dimers as effective Î€-extended helical chromophores. <i>Chemical Communications</i> , 2021, 57, 9606-9609.	2.2	7
7	Thiopheneâ€Fused Naphthodiphospholes: Modulation of the Structural and Electronic Properties of Polycyclic Aromatics by Precise Fusion of Heteroles. <i>ChemPlusChem</i> , 2021, 86, 130-136.	1.3	2
8	Prolongation of the singlet exciton lifetime of nonfullerene acceptor films by the replacement of the central benzene core with naphthalene. <i>Sustainable Energy and Fuels</i> , 2021, 5, 2028-2035.	2.5	5
9	Development of Efficient Sensitizers Based on Porphyrin Dimers and Fused Porphyrins for Dye-Sensitized Solar Cells. <i>ECS Meeting Abstracts</i> , 2021, MA2021-01, 769-769.	0.0	1
10	Modulation of Aromaticity and Properties of Porphyrins By Peripheral Heterole-Fused Structures. <i>ECS Meeting Abstracts</i> , 2021, MA2021-01, 741-741.	0.0	0
11	Control of Physicochemical Properties for Thiophene-Fused Naphthodiphospholes By Precise Fusion of Heterole Rings. <i>ECS Meeting Abstracts</i> , 2021, MA2021-01, 735-735.	0.0	0
12	Rational Molecular Design of Nonfullerene Acceptors for Bulk Heterojunction Solar Cells. <i>ECS Meeting Abstracts</i> , 2021, MA2021-01, 721-721.	0.0	0
13	Manipulation of Charge-Transfer States by Molecular Design: Perspective from â€œDynamic Excitonâ€ Accounts of <i>Materials Research</i> , 2021, 2, 501-514.	5.9	42
14	Photodynamic and Photoelectrochemical Properties of Few-Layered Bismuthene Film on SnO <sub>2</sub> Electrode and Its Hybridization with C <sub>60</sub> . <i>Journal of Physical Chemistry C</i> , 2021, 125, 13954-13962.	1.5	4
15	Long-Range Interfacial Charge Carrier Trapping in Halide Perovskite-C <sub>60</sub> and Halide Perovskite-TiO <sub>2</sub> Donor-Î€-Acceptor Films. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8644-8651.	2.1	18
16	Preparation and Physicochemical Properties of Inorganic Two-dimensional Nanomaterial/Fullerene Composites. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 515-515.	0.0	0
17	Effect of Terminal-Group Halogenation of Naphthalene-Based Nonfullerene Acceptors on Their Film Structure and Photophysical and Photovoltaic Properties. <i>ACS Applied Energy Materials</i> , 2021, 4, 14022-14033.	2.5	5
18	Effects of <i>meso</i> -diarylamino group of porphyrins on optical and electrochemical properties. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 67-74.	0.4	7

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19	Highly cost-efficient sorption and desorption of mercury ions onto regenerable poly(m-phenylenediamine) microspheres with many active groups. <i>Chemical Engineering Journal</i> , 2020, 391, 123515.	6.6	27
20	Effect of Ligand Structures of Copper Redox Shuttles on Photovoltaic Performance of Dye-Sensitized Solar Cells. <i>Inorganic Chemistry</i> , 2020, 59, 452-459.	1.9	43
21	Heavy Metal Effects on the Photovoltaic Properties of Metalloporphyrins in Dye-Sensitized Solar Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 12460-12467.	2.5	16
22	Exploration on the Combination of Push-Pull Porphyrin Dyes and Copper(I/II) Redox Shuttles toward High-performance Dye-sensitized Solar Cells. <i>Chemistry Letters</i> , 2020, 49, 936-939.	0.7	10
23	Near-infrared light control of membrane potential by an electron donor-acceptor linked molecule. <i>Chemical Communications</i> , 2020, 56, 12562-12565.	2.2	2
24	Efficient Exciton Diffusion in Micrometer-Sized Domains of Nanographene-Based Nonfullerene Acceptors with Long Exciton Lifetimes in Blend Films with Conjugated Polymer. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 39236-39244.	4.0	10
25	Glassy Porphyrin/C <sub>60</sub> Composites: Morphological Engineering of C <sub>60</sub> Fullerene with Liquefied Porphyrins. <i>Langmuir</i> , 2020, 36, 13583-13590.	1.6	6
26	Simple Processing Additive-Driven 20% Efficiency for Inverted Planar Heterojunction Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 18431-18436.	4.0	12
27	Efficient light-harvesting, energy migration, and charge transfer by nanographene-based nonfullerene small-molecule acceptors exhibiting unusually long excited-state lifetime in the film state. <i>Chemical Science</i> , 2020, 11, 3250-3257.	3.7	35
28	Modulation of Frontier Molecular Orbitals on Dithieno[3,4- <i>b</i> :3',4'- <i>d</i> ]phosphole Derivatives by Donor-Acceptor Interaction. <i>Chemistry Letters</i> , 2020, 49, 272-275.	0.7	2
29	Sustained photodynamic effect of single chirality-enriched single-walled carbon nanotubes. <i>Carbon</i> , 2020, 161, 718-725.	5.4	14
30	Unique Role of Heteroleafused Structures in Aromaticity and Physicochemical Properties of 7,8-Dihydropurpurins. <i>Chemistry - A European Journal</i> , 2020, 26, 12043-12049.	1.7	4
31	Noncovalent Functionalization of Few-layered Antimonene with Fullerene Clusters and Photoinduced Charge Separation in the Composite. <i>Chemistry - A European Journal</i> , 2020, 26, 6726-6735.	1.7	7
32	(Invited) Photoinduced Donor-Acceptor Interaction in Nanocarbon-Based Systems. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 802-802.	0.0	0
33	Elucidation of the Mechanisms for the Underlying Depolarization and Reversibility by Photoactive Molecule. <i>Cellular Physiology and Biochemistry</i> , 2020, 54, 899-916.	1.1	1
34	Photoinduced Energy and Electron Transfer in Nanocarbon-Based Donor-Acceptor Systems. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1085-1085.	0.0	0
35	Isomer Effects of Fullerene Derivatives on Organic Photovoltaics and Perovskite Solar Cells. <i>Accounts of Chemical Research</i> , 2019, 52, 2046-2055.	7.6	126
36	Effective role of eco-friendly acetyl tributyl citrate in large-scale catalyst-free synthesis of waterborne polyurethanes without volatile organic compounds. <i>Journal of Cleaner Production</i> , 2019, 237, 117543.	4.6	30

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37	Spontaneous Complexation of Fullerene Aggregates on Nanodiamond Aggregates and Their Enhanced Photocurrent Generation. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4042-4047.	1.7	2
38	Thiazolocatechol: Electron-Withdrawing Catechol Anchoring Group for Dye-Sensitized Solar Cells. <i>ChemPhysChem</i> , 2019, 20, 2689-2695.	1.0	5
39	Exclusive occurrence of photoinduced energy transfer and switching of its direction by rectangular $\pi$ -extension of nanographenes. <i>Chemical Science</i> , 2019, 10, 6642-6650.	3.7	27
40	Renaissance of Fused Porphyrins: Substituted Methylene-Bridged Thiophene-Fused Strategy for High-Performance Dye-Sensitized Solar Cells. <i>Journal of the American Chemical Society</i> , 2019, 141, 9910-9919.	6.6	176
41	Photoleitfähigkeit in $\frac{1}{4}$ nnfilmen Metallorganischer Gerüste. <i>Angewandte Chemie</i> , 2019, 131, 9691-9696.	1.6	16
42	Photoconductivity in Metal-Organic Framework (MOF) Thin Films. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9590-9595.	7.2	118
43	Synthesis of Phosphole-bridged Porphyrin Dimers. <i>Chemistry Letters</i> , 2019, 48, 257-259.	0.7	2
44	Pluripotent Features of Doubly Thiophene-Fused Benzodiphospholes as Organic Functional Materials. <i>Chemistry - A European Journal</i> , 2019, 25, 6425-6438.	1.7	11
45	ABC-ABC-Type Directly meso-meso Linked Porphyrin Dimers. <i>Chemistry - A European Journal</i> , 2019, 25, 389-389.	1.7	0
46	ABC-ABC-Type Directly meso-meso Linked Porphyrin Dimers. <i>Chemistry - A European Journal</i> , 2019, 25, 538-547.	1.7	11
47	Cleaner synthesis and systematical characterization of sustainable poly(isosorbide-co-ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 483-497.	4.6	18
48	(Invited) Isomer Effects of Nanocarbons in Organic Solar Cells. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
49	Thiophene-Fused Expanded Porphyrins with $\pi$ -System Switching. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
50	Phosphole-Thiophene Hybrid: A Dual Role of Dithieno[3,4- <i>b</i> :3',4'- <i>d</i> ]phosphole as Electron Acceptor and Electron Donor. <i>Journal of Organic Chemistry</i> , 2018, 83, 3397-3402.	1.7	12
51	Enhanced Donor-Acceptor Character of a Porphyrin Dye Incorporating Naphthobisthiadiazole for Efficient Near-Infrared Light Absorption. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2537-2547.	1.2	16
52	Unique cohesive nature of the $I^2$ -isomer of [70]PCBM fullerene on structures and photovoltaic performances of bulk heterojunction films with PffBT4T-2OD polymers. <i>Chemical Communications</i> , 2018, 54, 405-408.	2.2	24
53	Electron transfer and exciplex chemistry of functionalized nanocarbons: effects of electronic coupling and donor dimerization. <i>Nanoscale Horizons</i> , 2018, 3, 352-366.	4.1	29
54	Photophysical Properties of Porphyrin Dimer-Single-Walled Carbon Nanotube Linked Systems. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13285-13293.	1.5	8

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55	Facile fabrication method of small-sized crystal silicon solar cells for ubiquitous applications and tandem device with perovskite solar cells. <i>Materials Today Energy</i> , 2018, 7, 190-198.	2.5	19
56	Formation and Photodynamic Behavior of Transition Metal Dichalcogenide Nanosheet@Fullerene Inorganic/Organic Nanohybrids on Semiconducting Electrodes. <i>Chemistry - A European Journal</i> , 2018, 24, 1561-1572.	1.7	21
57	Effect of Silicon Surface for Perovskite/Silicon Tandem Solar Cells: Flat or Textured?. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 35016-35024.	4.0	40
58	<i>cis</i> -1 Isomers of tethered bismethano[70]fullerene as electron acceptors in organic photovoltaics. <i>RSC Advances</i> , 2018, 8, 18316-18326.	1.7	9
59	Unique Tube@Ring Interactions: Complexation of Single-Walled Carbon Nanotubes with Cycloparaphenyleneacetylenes. <i>Small</i> , 2018, 14, e1800720.	5.2	34
60	Calix[5]phyrin for Fluoride Ion Sensing with Visible and Near Infrared Optical Responses. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2019-2022.	1.7	8
61	Carbon Nanomaterials: Unique Tube@Ring Interactions: Complexation of Single-Walled Carbon Nanotubes with Cycloparaphenyleneacetylenes (Small 26/2018). <i>Small</i> , 2018, 14, 1870120.	5.2	2
62	Reversible $\pi$ -system switching of thiophene-fused thiahexaphyrins by solvent and oxidation/reduction. <i>Chemical Science</i> , 2018, 9, 7528-7539.	3.7	8
63	(Invited) Exciplex Formation and Decay in Porphyrin-Carbon Nanotube Ensembles. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
64	(Invited) Visible Light-Driven Water Oxidation with Porphyrin Sensitizers and Water Oxidation Catalysts. <i>ECS Meeting Abstracts</i> , 2018, MA2018-01, 1852-1852.	0.0	0
65	Thermal Precursor Approach to Pristine Fullerene Film as Electron Selective Layer in Perovskite Solar Cells. <i>ECS Journal of Solid State Science and Technology</i> , 2017, 6, M3078-M3083.	0.9	12
66	A Ruthenium Complex@Porphyrin@Fullerene@Linked Molecular Pentad as an Integrative Photosynthetic Model. <i>Angewandte Chemie</i> , 2017, 129, 3377-3381.	1.6	15
67	Structural Effects on the Incident Photon-to-Current Conversion Efficiency of Zn Porphyrin Dyes on the Low-Index Planes of TiO <sub>2</sub> . <i>ACS Omega</i> , 2017, 2, 128-135.	1.6	7
68	Hexaphyrin as a Potential Theranostic Dye for Photothermal Therapy and <sup>19</sup> F Magnetic Resonance Imaging. <i>ChemBioChem</i> , 2017, 18, 951-959.	1.3	16
69	Unsymmetrically Substituted Donor@Acceptor@Type 5,15@Diazaporphyrin Sensitizers: Synthesis, Optical and Photovoltaic Properties. <i>ChemPlusChem</i> , 2017, 82, 695-704.	1.3	8
70	Surface functionalization of high free-volume polymers as a route to efficient hydrogen separation membranes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4686-4694.	5.2	37
71	A Ruthenium Complex@Porphyrin@Fullerene@Linked Molecular Pentad as an Integrative Photosynthetic Model. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3329-3333.	7.2	51
72	Long-Range Observation of Exciplex Formation and Decay Mediated by One-Dimensional Bridges. <i>Journal of Physical Chemistry C</i> , 2017, 121, 13952-13961.	1.5	6

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73	Enantiomerically Separated $\hat{\pm}$ -[70]PCBM for Organic Photovoltaics. Chemistry Letters, 2017, 46, 1001-1003.	0.7	10
74	Thiophene-fused dithiaoctaphyrins: $\hat{\pi}$ -system switching between cross-conjugated and macrocyclic $\hat{\pi}$ -networks. Chemical Communications, 2017, 53, 5091-5094.	2.2	10
75	Occurrence of photoinduced charge separation by the modulation of the electronic coupling between pyrene dimers and chemically converted graphenes. Chemical Communications, 2017, 53, 1025-1028.	2.2	7
76	A chemical approach to perovskite solar cells: control of electron-transporting mesoporous TiO <sub>2</sub> and utilization of nanocarbon materials. Dalton Transactions, 2017, 46, 15615-15627.	1.6	20
77	Regioisomer effects of [70]PCBM on film structures and photovoltaic properties of composite films with a crystalline conjugated polymer P3HT. RSC Advances, 2017, 7, 45697-45704.	1.7	10
78	Photovoltaic Properties and Long-Term Durability of Porphyrin-Sensitized Solar Cells with Silicon-Based Anchoring Groups. ACS Omega, 2017, 2, 6958-6967.	1.6	22
79	DNA nanotechnology-based composite-type gold nanoparticle-immunostimulatory DNA hydrogel for tumor photothermal immunotherapy. Biomaterials, 2017, 146, 136-145.	5.7	174
80	A Hydroxamic Acid Anchoring Group for Durable Dye-Sensitized Solar Cells Incorporating a Cobalt Redox Shuttle. ChemSusChem, 2017, 10, 3347-3351.	3.6	35
81	Strategy to Attain Remarkably High Photoinduced Charge-Separation Yield of Donor-Acceptor Linked Molecules in Biological Environment via Modulating Their Cationic Moieties. Journal of Physical Chemistry C, 2017, 121, 17457-17465.	1.5	12
82	Optical control of mitochondrial reductive reactions in living cells using an electron donor-acceptor linked molecule. Nanoscale, 2017, 9, 18690-18698.	2.8	21
83	Photoinduced electron transfer reaction in mitochondria for spatiotemporal selective photo-oxidation of lipids by donor/acceptor linked molecules. Nanoscale, 2017, 9, 17909-17913.	2.8	5
84	Synthesis of Partially <i>meso</i> -Free 2,3-Di(arylethynyl)porphyrins. Chemistry Letters, 2017, 46, 976-978.	0.7	1
85	Surface chemistry for cytosolic gene delivery and photothermal transgene expression by gold nanorods. Scientific Reports, 2017, 7, 4694.	1.6	21
86	Regioisomer effects of [70]fullerene mono-adduct acceptors in bulk heterojunction polymer solar cells. Chemical Science, 2017, 8, 181-188.	3.7	52
87	Lead-free perovskite solar cells using Sb and Bi-based A3B2X9 and A3BX6 crystals with normal and inverse cell structures. Nano Convergence, 2017, 4, 26.	6.3	67
88	Effects of Regioisomers in Fullerene Derivatives on Photovoltaic Properties of Bulk Heterojunction Solar Cells. ECS Meeting Abstracts, 2017, , .	0.0	0
89	Visible Light-Driven Water Oxidation with Porphyrin Sensitizers and Water Oxidation Catalysts. ECS Meeting Abstracts, 2017, , .	0.0	0
90	Geometries and Dynamics of Photoinduced Electron-Hole Pairs in Polyhexylthiophene-Fullerene Systems. ECS Meeting Abstracts, 2017, , .	0.0	0

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91	(Invited) Electron Donor-Nanocarbon Electron Acceptor Composites Linked with Oligophenylene Bridge. ECS Meeting Abstracts, 2017, , .	0.0	0
92	Remarkable Dependence of Exciplex Decay Rate on Through-Space Separation Distance between Porphyrin and Chemically Converted Graphene. Journal of Physical Chemistry C, 2016, 120, 28337-28344.	1.5	16
93	Remarkable Dependence of the Final Charge Separation Efficiency on the Donorâ€“Acceptor Interaction in Photoinduced Electron Transfer. Angewandte Chemie - International Edition, 2016, 55, 629-633.	7.2	94
94	Geometries, Electronic Couplings, and Hole Dissociation Dynamics of Photoinduced Electronâ€“Hole Pairs in Polyhexylthiopheneâ€“Fullerene Dyads Rigidly Linked by Oligophenylenes. Journal of the American Chemical Society, 2016, 138, 5879-5885.	6.6	46
95	Blend films of an amorphous conjugated polymer and a thermal precursor fullerene: effects of annealing temperatures on film structures and photovoltaic properties. RSC Advances, 2016, 6, 83758-83766.	1.7	12
96	Fusing Porphyrins and Phospholes: Synthesis and Analysis of a Phosphorusâ€“Containing Porphyrin. Angewandte Chemie - International Edition, 2016, 55, 12311-12315.	7.2	26
97	Fusing Porphyrins and Phospholes: Synthesis and Analysis of a Phosphorusâ€“Containing Porphyrin. Angewandte Chemie, 2016, 128, 12499-12503.	1.6	6
98	A Pushâ€“Pull Porphyrin Dimer with Multiple Electron-donating Groups for Dye-sensitized Solar Cells: Excellent Light-harvesting in Near-infrared Region. Chemistry Letters, 2016, 45, 1126-1128.	0.7	10
99	A new class of epitaxial porphyrin metalâ€“organic framework thin films with extremely high photocarrier generation efficiency: promising materials for all-solid-state solar cells. Journal of Materials Chemistry A, 2016, 4, 12739-12747.	5.2	75
100	Analysis of Sputtering Damage on $J-V$ Curves for Perovskite Solar Cells and Simulation with Reversed Diode Model. Journal of Physical Chemistry C, 2016, 120, 28441-28447.	1.5	61
101	Visible light-driven water oxidation with a subporphyrin sensitizer and a water oxidation catalyst. Chemical Communications, 2016, 52, 13702-13705.	2.2	61
102	Interface Optoelectronics Engineering for Mechanically Stacked Tandem Solar Cells Based on Perovskite and Silicon. ACS Applied Materials & Interfaces, 2016, 8, 33553-33561.	4.0	36
103	Effects of Bulky Substituents of Pushâ€“Pull Porphyrins on Photovoltaic Properties of Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 15379-15390.	4.0	61
104	Molecular Location Sensing Approach by Anisotropic Magnetism of an Endohedral Metallofullerene. Journal of the American Chemical Society, 2016, 138, 8000-8006.	6.6	16
105	Optical control of neuronal firing via photoinduced electron transfer in donorâ€“acceptor conjugates. Chemical Science, 2016, 7, 3331-3337.	3.7	25
106	An efficient electron transport material of tin oxide for planar structure perovskite solar cells. Journal of Power Sources, 2016, 307, 891-897.	4.0	76
107	Probing the Dipolar Coupling in a Heterospin Endohedral Fullereneâ€“Phthalocyanine Dyad. Journal of the American Chemical Society, 2016, 138, 1313-1319.	6.6	29
108	Visible light-driven water oxidation using a covalently-linked molecular catalystâ€“sensitizer dyad assembled on a $TiO_2$ electrode. Chemical Science, 2016, 7, 1430-1439.	3.7	103

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109	Electron-rich Five-membered Ring of Azulene as a Donor Unit in Donor-Acceptor Alternating Copolymers for Polymer Solar Cell Applications. <i>Chemistry Letters</i> , 2015, 44, 47-49.	0.7	30
110	Boosting of the Performance of Perovskite Solar Cells through Systematic Introduction of Reduced Graphene Oxide in TiO <sub>2</sub> Layers. <i>Chemistry Letters</i> , 2015, 44, 1410-1412.	0.7	39
111	Push-Pull Bacteriochlorin: Panchromatic Sensitizer for Dye-sensitized Solar Cell. <i>Chemistry Letters</i> , 2015, 44, 1395-1397.	0.7	6
112	Thermosensitive Ion Channel Activation in Single Neuronal Cells by Using Surface-Engineered Plasmonic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11725-11729.	7.2	96
113	Hybrid [5]Radialenes with Bispyrroloheteroles: New Electron-Donating Units. <i>Chemistry - A European Journal</i> , 2015, 21, 13375-13381.	1.7	8
114	Tropolone as a High-Performance Robust Anchoring Group for Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9052-9056.	7.2	99
115	Material Exchange Property of Organo Lead Halide Perovskite with Hole-Transporting Materials. <i>Photonics</i> , 2015, 2, 1043-1053.	0.9	19
116	Nature-Inspired Tree-Like TiO <sub>2</sub> Architecture: A 3D Platform for the Assembly of CdS and Reduced Graphene Oxide for Photoelectrochemical Processes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 7543-7553.	1.5	71
117	Synthesis and Photophysical Properties of Two Diazaporphyrin-Porphyrin Hetero Dimers in Polar and Nonpolar Solutions. <i>Journal of Physical Chemistry B</i> , 2015, 119, 7328-7337.	1.2	13
118	Across the Board: Hiroshi Imahori. <i>ChemSusChem</i> , 2015, 8, 426-427.	3.6	1
119	Synthesis of push-pull porphyrin with two electron-donating and two electron-withdrawing groups and its application to dye-sensitized solar cell. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015, 19, 140-149.	0.4	15
120	Light stability tests of methylammonium and formamidinium Pb-halide perovskites for solar cell applications. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 08KF08.	0.8	58
121	Synthesis and Isolation of <i>cis</i> -2 Regiospecific Ethylene-Tethered Indene Dimer-Fullerene Adduct for Polymer Solar Cell Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 16676-16685.	4.0	34
122	Molecular interactions on single-walled carbon nanotubes revealed by high-resolution transmission microscopy. <i>Nature Communications</i> , 2015, 6, 7732.	5.8	33
123	A single <i>cis</i> -2 regioisomer of ethylene-tethered indene dimer-fullerene adduct as an electron-acceptor in polymer solar cells. <i>Chemical Communications</i> , 2015, 51, 8233-8236.	2.2	36
124	Effects of Immersion Solvent on Photovoltaic and Photophysical Properties of Porphyrin-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 18689-18696.	4.0	18
125	Preface "Special Issue in Honor of Professor Shunichi Fukuzumi. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015, 19, i-xvi.	0.4	0
126	Polymer-Assisted Construction of Mesoporous TiO <sub>2</sub> Layers for Improving Perovskite Solar Cell Performance. <i>Journal of Physical Chemistry C</i> , 2015, 119, 22847-22854.	1.5	32



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127	Porphyrins as excellent dyes for dye-sensitized solar cells: recent developments and insights. Dalton Transactions, 2015, 44, 448-463.	1.6	529
128	N,S,Pâ€Hybrid Donorâ€Acceptor Organic Dyes for Dyeâ€Sensitized Solar Cell: Synthesis, Optical Properties, and Photovoltaic Performances. Heteroatom Chemistry, 2014, 25, 533-547.	0.4	21
129	Phospholeâ€and Benzodithiopheneâ€Based Copolymers: Synthesis and Application in Organic Photovoltaics. European Journal of Inorganic Chemistry, 2014, 2014, 1620-1624.	1.0	40
130	Photo-induced electron transfer at nanostructured semiconductorâ€zinc porphyrin interface. Chemical Physics Letters, 2014, 592, 47-51.	1.2	12
131	Photothermal ablation of tumor cells using a single-walled carbon nanotubeâ€peptide composite. Journal of Controlled Release, 2014, 173, 59-66.	4.8	104
132	Slow Charge Recombination and Enhanced Photoelectrochemical Properties of Diazaporphyrin-Fullerene Linked Dyad. Journal of Physical Chemistry C, 2014, 118, 1808-1820.	1.5	17
133	A Unique Architecture Based on 1D Semiconductor, Reduced Graphene Oxide, and Chalcogenide with Multifunctional Properties. Chemistry - A European Journal, 2014, 20, 10456-10465.	1.7	14
134	Emerging investigators. Journal of Materials Chemistry A, 2014, 2, 5952.	5.2	0
135	Double functions of porous TiO2 electrodes on CH3NH3PbI3 perovskite solar cells: Enhancement of perovskite crystal transformation and prohibition of short circuiting. APL Materials, 2014, 2, .	2.2	52
136	Design and control of organic semiconductors and their nanostructures for polymerâ€fullerene-based photovoltaic devices. Journal of Materials Chemistry A, 2014, 2, 11545-11560.	5.2	67
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