

Taku Hasobe

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4659482/taku-hasobe-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

124
papers

5,501
citations

41
h-index

71
g-index

134
ext. papers

5,855
ext. citations

6
avg, IF

5.78
L-index

#	Paper	IF	Citations
124	Photovoltaic cells using composite nanoclusters of porphyrins and fullerenes with gold nanoparticles. <i>Journal of the American Chemical Society</i> , 2005 , 127, 1216-28	16.4	429
123	Graphene oxide with covalently linked porphyrin antennae: Synthesis, characterization and photophysical properties. <i>Journal of Materials Chemistry</i> , 2011 , 21, 109-117		207
122	Supramolecular nanoarchitectures for light energy conversion. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 44-57	3.6	189
121	Ordered assembly of protonated porphyrin driven by single-wall carbon nanotubes. J- and H-aggregates to nanorods. <i>Journal of the American Chemical Society</i> , 2005 , 127, 11884-5	16.4	185
120	Organized assemblies of single wall carbon nanotubes and porphyrin for photochemical solar cells: charge injection from excited porphyrin into single-walled carbon nanotubes. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 25477-84	3.4	172
119	Enhancement of light-energy conversion efficiency by multi-porphyrin arrays of porphyrin-peptide oligomers with fullerene clusters. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 19-23	3.4	168
118	Quaternary self-organization of porphyrin and fullerene units by clusterization with gold nanoparticles on SnO ₂ electrodes for organic solar cells. <i>Journal of the American Chemical Society</i> , 2003 , 125, 14962-3	16.4	158
117	Organic solar cells. Supramolecular composites of porphyrins and fullerenes organized by polypeptide structures as light harvesters. <i>Journal of Materials Chemistry</i> , 2007 , 17, 4160		150
116	Large photocurrent generation of gold electrodes modified with [60]fullerene-linked oligothiophenes bearing a tripodal rigid anchor. <i>Journal of the American Chemical Society</i> , 2002 , 124, 532-3	16.4	150
115	Supramolecular Photovoltaic Cells Based on Composite Molecular Nanoclusters: Dendritic Porphyrin and C ₆₀ , Porphyrin Dimer and C ₆₀ , and Porphyrin-C ₆₀ Dyad. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 12865-12872	3.4	148
114	Supramolecular Photovoltaic Cells Using Porphyrin Dendrimers and Fullerene. <i>Advanced Materials</i> , 2004 , 16, 975-979	24	139
113	Light Energy Conversion Using Mixed Molecular Nanoclusters. Porphyrin and C ₆₀ Cluster Films for Efficient Photocurrent Generation. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 12105-12112	3.4	136
112	Stacked-cup carbon nanotubes for photoelectrochemical solar cells. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 755-9	16.4	113
111	Long-Lived Triplet Excited States of Bent-Shaped Pentacene Dimers by Intramolecular Singlet Fission. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 1867-75	2.8	109
110	Sensitive efficiency of photoinduced electron transfer to band gaps of semiconductive single-walled carbon nanotubes with supramolecularly attached zinc porphyrin bearing pyrene glues. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8158-64	16.4	105
109	Zinc Phthalocyanine-Graphene Hybrid Material for Energy Conversion: Synthesis, Characterization, Photophysics, and Photoelectrochemical Cell Preparation. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 20564-20573	3.8	102
108	Porphyrin-Based Supramolecular Nanoarchitectures for Solar Energy Conversion. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 1771-80	6.4	96

107	Highly Fluorescent [7]Carbohelicene Fused by Asymmetric 1,2-Dialkyl-Substituted Quinoxaline for Circularly Polarized Luminescence and Electroluminescence. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 13937-13947	3.8	86
106	Fullerene-encapsulated porphyrin hexagonal nanorods. An anisotropic donor-acceptor composite for efficient photoinduced electron transfer and light energy conversion. <i>Chemical Communications</i> , 2008 , 3372-4	5.8	79
105	Supramolecular structures and photoelectronic properties of the inclusion complex of a cyclic free-base porphyrin dimer and C60. <i>Chemistry - A European Journal</i> , 2010 , 16, 11611-23	4.8	74
104	Siloxy Group-Induced Highly Efficient Room Temperature Phosphorescence with Long Lifetime. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 11631-11639	3.8	69
103	Nanostructured assembly of porphyrin clusters for light energy conversion. <i>Journal of Materials Chemistry</i> , 2003 , 13, 2515		66
102	Control of open-circuit voltage in organic photovoltaic cells by inserting an ultrathin metal-phthalocyanine layer. <i>Applied Physics Letters</i> , 2007 , 91, 083518	3.4	64
101	Supramolecular nanostructured assemblies of different types of porphyrins with fullerene using TiO ₂ nanoparticles for light energy conversion. <i>Tetrahedron</i> , 2006 , 62, 1937-1946	2.4	63
100	Synthetic Control of the Excited-State Dynamics and Circularly Polarized Luminescence of Fluorescent "Push-Pull" Tetrathia[9]helicenes. <i>Chemistry - A European Journal</i> , 2016 , 22, 4263-73	4.8	62
99	Photoinduced charge separation in a ferrocene-aluminum(III) porphyrin-fullerene supramolecular triad. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 14348-57	3.4	62
98	Sonication-assisted supramolecular nanorods of meso-diaryl-substituted porphyrins. <i>Chemical Communications</i> , 2008 , 724-6	5.8	60
97	Enhancement of Light Harvesting and Photocurrent Generation by ITO Electrodes Modified with meso,meso-Linked Porphyrin Oligomers. <i>Nano Letters</i> , 2003 , 3, 409-412	11.5	54
96	Multiexciton Dynamics Depending on Intramolecular Orientations in Pentacene Dimers: Recombination and Dissociation of Correlated Triplet Pairs. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 3354-3360	6.4	53
95	Photo- and electro-functional self-assembled architectures of porphyrins. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 15975-87	3.6	52
94	Concentration Effects of Porphyrin Monolayers on the Structure and Photoelectrochemical Properties of Mixed Self-Assembled Monolayers of Porphyrin and Alkanethiol on Gold Electrodes. <i>Langmuir</i> , 2001 , 17, 4925-4931	4	52
93	Synthetic Control of Photophysical Process and Circularly Polarized Luminescence of [5]Carbohelicene Derivatives Substituted by Maleimide Units. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 7860-7869	3.8	50
92	Characterization and Photoelectrochemical Properties of Nanostructured Thin Film Composed of Carbon Nanohorns Covalently Functionalized with Porphyrins. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 15735-15741	3.8	50
91	Carbon Nanohorn Porphyrin Dimer Hybrid Material for Enhancing Light-Energy Conversion. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 9439-9449	3.8	49
90	Diameter-sorted SWCNT-porphyrin and SWCNT-phthalocyanine conjugates for light-energy harvesting. <i>ChemPhysChem</i> , 2011 , 12, 2266-73	3.2	46

89	Photochemical charge separation in supramolecular phthalocyanine-multifullerene conjugates assembled by crown ether-alkyl ammonium cation interactions. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 10951-9	2.8	46
88	Preparation and Photophysical and Photoelectrochemical Properties of Supramolecular Porphyrin Nanorods Structurally Controlled by Encapsulated Fullerene Derivatives. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18369-18378	3.8	43
87	Photoconductivity of Porphyrin Nanochannels Composed of Diprotonated Porphyrin Dications with Saddle Distortion and Electron Donors. <i>Chemistry of Materials</i> , 2008 , 20, 7492-7500	9.6	43
86	Structural and Photophysical Properties of Self-Assembled Porphyrin Nanoassemblies Organized by Ethylene Glycol Derivatives. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 19209-19216	3.8	43
85	Photoelectrochemistry of Stacked-Cup Carbon Nanotube Films. Tube-Length Dependence and Charge Transfer with Excited Porphyrin. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 16626-16634	3.8	43
84	A carbon nanohorn-porphyrin supramolecular assembly for photoinduced electron-transfer processes. <i>Chemistry - A European Journal</i> , 2010 , 16, 10752-63	4.8	42
83	Sequential charge separation in two axially linked phenothiazine-aluminum(III) porphyrin-fullerene triads. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 709-17	2.8	41
82	Controlled Excited-State Dynamics and Enhanced Fluorescence Property of Tetrasulfone[9]helicene by a Simple Synthetic Process. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 7421-7427	3.8	40
81	Enhanced photoelectrochemical performance of composite photovoltaic cells of Li(+)-@C60-sulphonated porphyrin supramolecular nanoclusters. <i>Chemical Communications</i> , 2013 , 49, 4474-6	5.8	40
80	Organization of supramolecular assemblies of fullerene, porphyrin and fluorescein dye derivatives on TiO ₂ nanoparticles for light energy conversion. <i>Chemical Physics</i> , 2005 , 319, 243-252	2.3	40
79	Photoelectrochemical properties of supramolecular composite of fullerene nanoclusters and 9-mesityl-10-carboxymethylacridinium ion on SnO ₂ . <i>Organic Letters</i> , 2004 , 6, 3103-6	6.2	39
78	Linkage Dependent Charge Separation and Charge Recombination in Porphyrin-Pyromellitimide-Fullerene Triads. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 2803-2814	2.8	38
77	Photoinduced electron transfer in aqueous carbon nanotube/block copolymer/CdS hybrids: application in the construction of photoelectrochemical cells. <i>Journal of Materials Chemistry</i> , 2009 , 19, 8990		37
76	Spectroscopy and Photocurrent Generation in Nanostructured Thin Films of Porphyrin Fullerene Dyad Clusters. <i>Chemistry Letters</i> , 2001 , 30, 784-785	1.7	37
75	Remarkable Enhancement of Photocatalytic Hydrogen Evolution Efficiency Utilizing An Internal Cavity of Supramolecular Porphyrin Hexagonal Nanocylinders Under Visible-Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 4441-4449	3.8	36
74	Shape- and functionality-controlled organization of TiO ₂ -porphyrin-C60 assemblies for improved performance of photochemical solar cells. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 265-72	4.5	36
73	Photoinduced processes of the supramolecularly functionalized semi-conductive SWCNTs with porphyrins via ion-pairing interactions. <i>Energy and Environmental Science</i> , 2011 , 4, 707-716	35.4	35
72	Diameter dependent electron transfer in supramolecular nanohybrids of (6,5)- or (7,6)-enriched semiconducting SWCNT as donors and fullerene as acceptor. <i>Chemical Communications</i> , 2010 , 46, 8749-51	5.8	35

71	Enhanced Energy and Quantum Efficiencies of a Nanocrystalline Photoelectrochemical Cell Sensitized with a Donor-Acceptor Dyad Derived from Fluorescein. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 15200-15205	3.4	35
70	Protonation-induced red-coloured circularly polarized luminescence of [5]carbohelicene fused by benzimidazole. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 6738-43	3.9	34
69	Drastic difference in lifetimes of the charge-separated state of the formanilide-anthraquinone dyad versus the ferrocene-formanilide-anthraquinone triad and their photoelectrochemical properties of the composite films with fullerene clusters. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 4662-70	2.8	34
68	Organization of supramolecular assembly of 9-mesityl-10-carboxymethylacridinium ion and fullerene clusters on TiO ₂ nanoparticles for light energy conversion. <i>Journal of Materials Chemistry</i> , 2005 , 15, 372		33
67	Porphyrin and fullerene-based artificial photosynthetic materials for photovoltaics. <i>Thin Solid Films</i> , 2004 , 451-452, 580-588	2.2	32
66	High-Yield Excited Triplet States in Pentacene Self-Assembled Monolayers on Gold Nanoparticles through Singlet Exciton Fission. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5230-4	16.4	32
65	Significant Enhancement of Absorption and Luminescence Dissymmetry Factors in the Far-Red Region: A Zinc(II) Homoleptic Helicate Formed by a Pair of Achiral Dipyrromethene Ligands. <i>Chemistry - A European Journal</i> , 2018 , 24, 16889-16894	4.8	31
64	Ultrafast photoinduced electron transfer in face-to-face charge-transfer π -complexes of planar porphyrins and hexaazatriphenylene derivatives. <i>Chemical Science</i> , 2015 , 6, 1498-1509	9.4	30
63	Electron-Transfer Reduction Properties and Excited-State Dynamics of Benzo[ghi]peryleneimide and Coroneneimide Derivatives. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 7710-7720	3.8	28
62	Controlled Orientations of Neighboring Tetracene Units by Mixed Self-Assembled Monolayers on Gold Nanoclusters for High-Yield and Long-Lived Triplet Excited States through Singlet Fission. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14720-14727	16.4	25
61	Synthesis and Photodynamics of Tetragermatetrathia[8]circulene. <i>Organic Letters</i> , 2018 , 20, 304-307	6.2	25
60	Formation of one-dimensional helical columns and excimerlike excited states by racemic quinoxaline-fused [7]carbohelicenes in the crystal. <i>Chemistry - A European Journal</i> , 2014 , 20, 10099-109	4.8	24
59	Synthesis of Tetrasilatetrathia[8]circulenes by a Fourfold Intramolecular Dehydrogenative Silylation of C-H Bonds. <i>Chemistry - A European Journal</i> , 2017 , 23, 6948-6952	4.8	23
58	Preparation and structural control of metal coordination-assisted supramolecular architectures of porphyrins. Nanocubes to microrods. <i>Chemical Communications</i> , 2012 , 48, 4441-3	5.8	21
57	Stacked-Cup Carbon Nanotubes for Photoelectrochemical Solar Cells. <i>Angewandte Chemie</i> , 2006 , 118, 769-773	3.6	21
56	Quantitative Sequential Photoenergy Conversion Process from Singlet Fission to Intermolecular Two-Electron Transfers Utilizing Tetracene Dimer. <i>ACS Energy Letters</i> , 2019 , 4, 26-31	20.1	21
55	Systematic control of the excited-state dynamics and carrier-transport properties of functionalized benzo[ghi]perylene and coronene derivatives. <i>Chemistry - A European Journal</i> , 2014 , 20, 9081-93	4.8	20
54	Systematic Control of Structural and Photophysical Properties of π -Extended Mono- and Bis-BODIPY Derivatives. <i>Chemistry - A European Journal</i> , 2020 , 26, 316-325	4.8	20

53	Multi-color light-emitting transistors composed of organic single crystals. <i>Organic Electronics</i> , 2013 , 14, 2737-2742	3.5	19
52	Implementation of redox gradients in hydrogen bonded complexes containing N,N-dimethylaniline, flavin and fullerene derivatives. <i>Journal of Materials Chemistry</i> , 2010 , 20, 1457-1466		19
51	Fullerene-Based Supramolecular Nanoclusters with Poly[2-methoxy-5-(2-ethylhexyloxy)-p-phenylenevinylene] for Light Energy Conversion. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 1223-1229	1.4	18
50	Controlling Open-Circuit Voltage of Organic Photovoltaic Cells by Inserting Thin Layer of ZnPhthalocyanine at Pentacene/C60Interface. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 1234-1237	1.4	18
49	Near-Infrared Photoelectrochemical Conversion via Photoinduced Charge Separation in Supramolecular Complexes of Anionic Phthalocyanines with Li(+)-C60. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 7690-7	3.4	17
48	Synthesis and aggregate formation of triphenylene core-centered porphyrin hexamers. <i>Chemical Communications</i> , 2010 , 46, 889-91	5.8	17
47	Structure and photoelectrochemical properties of ITO electrodes modified with self-assembled monolayers of meso, meso-linked porphyrin oligomers. <i>Journal of Porphyrins and Phthalocyanines</i> , 2003 , 07, 296-312	1.8	17
46	A Pentacene-based Nanotube Displaying Enriched Electrochemical and Photochemical Activities. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1115-1119	16.4	17
45	Porphyrin-Based Molecular Architectures for Light Energy Conversion. <i>Molecular Crystals and Liquid Crystals</i> , 2007 , 471, 39-51	0.5	16
44	The effect of a highly twisted CC double bond on the electronic structures of 9,9'-bifluorenylidene derivatives in the ground and excited states. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 650-657	5.2	15
43	Molecular nanoarchitectures composed of porphyrins and carbon nanomaterials for light energy conversion. <i>Journal of Porphyrins and Phthalocyanines</i> , 2011 , 15, 301-311	1.8	15
42	Broadband Light Harvesting and Fast Charge Separation in Ordered Self-Assemblies of Electron Donor/Acceptor-Functionalized Graphene Oxide Layers for Effective Solar Energy Conversion. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 13488-13495	3.8	14
41	Controllable Electronic Structures and Photoinduced Processes of Bay-Linked Perylene-3,4,9,10-tetracarboxylic Diimide Dimers and a Ferrocene-Linked Triad. <i>Chemistry - A European Journal</i> , 2016 , 22, 9631-41	4.8	14
40	High-Yield Excited Triplet States in Pentacene Self-Assembled Monolayers on Gold Nanoparticles through Singlet Exciton Fission. <i>Angewandte Chemie</i> , 2016 , 128, 5316-5320	3.6	13
39	Geometries and Terahertz Motions Driving Quintet Multiexcitons and Ultimate Triplet-Triplet Dissociations via the Intramolecular Singlet Fissions. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 9411-9419	3.4	13
38	Control of local structures and photophysical properties of zinc porphyrin-based supramolecular assemblies structurally organized by regioselective ligand coordination. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 5453-63	3.6	12
37	Control of the electrochemical and photophysical properties of N-substituted benzo[ghi]perylene derivatives. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 2299-2308	7.8	12
36	Corononetetraimide-centered cruciform pentamers containing multiporphyrin units: synthesis and sequential photoinduced energy- and electron-transfer dynamics. <i>Chemistry - A European Journal</i> , 2015 , 21, 11196-205	4.8	12

35	High-Yield Generation of Triplet Excited States by an Efficient Sequential Photoinduced Process from Energy Transfer to Singlet Fission in Pentacene-Modified CdSe/ZnS Quantum Dots. <i>Chemistry - A European Journal</i> , 2018 , 24, 17062-17071	4.8	11
34	Fast self-exchange electron transfer and delocalization of unpaired electron between zinc porphyrin radical cations and zinc porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2003 , 07, 328-336	1.8	11
33	ECComplex formation in electron-transfer reactions of porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2004 , 08, 191-200	1.8	11
32	Efficient photocatalytic proton-coupled electron-transfer reduction of O using a saddle-distorted porphyrin as a photocatalyst. <i>Chemical Communications</i> , 2019 , 55, 4925-4928	5.8	9
31	Efficient Near-Infrared Light-Driven Hydrogen Evolution Catalyzed by a Saddle-Distorted Porphyrin as a Photocatalyst. <i>ACS Applied Energy Materials</i> , 2020 , 3, 3193-3197	6.1	9
30	Graphene oxide-Li(+)-@C60 donor-acceptor composites for photoenergy conversion. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 15732-8	3.6	9
29	Photoinduced Processes of Supramolecular Nanoarrays Composed of Porphyrin and Benzo[ghi]perylene triimide Units through Triple Hydrogen Bonds with One-Dimensional Columnar Phases. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 613-24	4.5	9
28	Synthesis, Structural and Photophysical Properties of Pentacene Alkanethiolate Monolayer-Protected Gold Nanoclusters and Nanorods: Supramolecular Intercalation and Photoinduced Electron Transfer with C60. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 9043-9052	3.8	8
27	Supramolecular Singlet Fission of Pentacene Dimers within Polyaromatic Capsules. <i>Journal of the American Chemical Society</i> , 2021 ,	16.4	8
26	Excimer Formation of Aryl Iodides Chemisorbed on Gold Nanoparticles for the Significant Enhancement of Photoluminescence. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 1199-1203	6.4	7
25	Concentration-dependent photophysical switching in mixed self-assembled monolayers of pentacene and perylene diimide on gold nanoclusters. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 8693-8706	3.6	6
24	Photoelectrochemical properties of supramolecular composites of an anionic zinc chlorin and Li+@C60 on SnO2. <i>Journal of Porphyrins and Phthalocyanines</i> , 2014 , 18, 982-990	1.8	6
23	Inter- and Intramolecular Electron-Transfer Reduction Properties of Coronene diimide Derivatives via Photoinduced Processes. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13333-13346	3.8	6
22	Preparation and Photoelectrochemical Properties of Supramolecular Assemblies of Nanoscale Carbon Material Composites. <i>ECS Journal of Solid State Science and Technology</i> , 2013 , 2, M3015-M3022	2	5
21	Photo-induced glycosylation using a diaryl disulfide as an organo-Lewis photoacid catalyst. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 851-855	3.9	5
20	Electrochemical Properties and Excited-State Dynamics of Azaperylene Derivatives. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 9921-9930	3.4	5
19	Synergetic Role of Conformational Flexibility and Electronic Coupling for Quantitative Intramolecular Singlet Fission. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 18287-18296	3.8	5
18	A Diprotonated Porphyrin as an Electron Mediator in Photoinduced Electron Transfer in Hydrogen-Bonded Supramolecular Assemblies. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 11529-11538	3.8	4

17	Supramolecular photovoltaic cells utilizing inclusion complexes composed of Li+@C60 and cyclic porphyrin dimer. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015 , 19, 242-250	1.8	4
16	Porphyrin hexamer with a triphenylene core unit: Spectroscopy, electrochemistry and controllable supramolecular formation. <i>Journal of Porphyrins and Phthalocyanines</i> , 2011 , 15, 639-651	1.8	4
15	Organic-Inorganic Hybrid Molecular Architectures Utilizing Self-assembled Monolayers for Singlet Fission and Light Energy Conversion. <i>Chemistry Letters</i> , 2021 , 50, 615-622	1.7	4
14	A Pentacene-based Nanotube Displaying Enriched Electrochemical and Photochemical Activities. <i>Angewandte Chemie</i> , 2019 , 131, 1127-1131	3.6	4
13	Enthalpy-Entropy Compensation Effect for Triplet Pair Dissociation of Intramolecular Singlet Fission in Phenylene Spacer-Bridged Hexacene Dimers. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 6457-6463	6.4	4
12	Molecular Design Strategy for High-Yield and Long-Lived Individual Doubled Triplet Excitons through Intramolecular Singlet Fission. <i>ACS Energy Letters</i> , 2022 , 7, 390-400	20.1	4
11	An Air- and Water-Stable B N -Heteropentalene Serving as a Host Material for a Phosphorescent OLED. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23812-23818	16.4	3
10	Near-Unity Singlet Fission on a Quantum Dot Initiated by Resonant Energy Transfer. <i>Journal of the American Chemical Society</i> , 2021 , 143, 17388-17394	16.4	2
9	Synthesis and Electrochemical and Photophysical Properties of Azaterrylene Derivatives. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1754-1762	4.5	2
8	Supramolecular Porphyrin Nanorods for Light Energy Conversion 2015 , 475-491		1
7	Carbon NanomaterialBased Molecular Architectures for Light Energy Conversion. <i>World Scientific Series on Carbon Nanoscience</i> , 2012 , 95-130	0.5	1
6	Self-Assembled Composite Materials of Porphyrins for Optoelectronics 2012 , 499-536		1
5	Room-Temperature Pentacene Fluids: Oligoethylene Glycol Substituent-Controlled Morphologies and Singlet Fission. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 11910-11918	3.4	1
4	An Air- and Water-Stable B4N4-Heteropentalene Serving as a Host Material for a Phosphorescent OLED. <i>Angewandte Chemie</i> , 2021 , 133, 24005	3.6	1
3	Structural Control of Fluorescent Helicates for Improved Circularly Polarized Luminescence Properties 2020 , 99-116		0
2	Solid surface free energy analysis using inkjet droplets. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1360, 151001		
1	Efficient Singlet Fission in Acene-Based Molecular Assemblies 2020 , 275-285		