

# Taku Hasobe

## List of Publications by Year in Descending Order

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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	Molecular Design Strategy for High-Yield and Long-Lived Individual Doubled Triplet Excitons through Intramolecular Singlet Fission. <i>ACS Energy Letters</i> , <b>2022</b> , 7, 390-400	20.1	4
123	Near-Unity Singlet Fission on a Quantum Dot Initiated by Resonant Energy Transfer. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 17388-17394	16.4	2
122	Organic-Inorganic Hybrid Molecular Architectures Utilizing Self-assembled Monolayers for Singlet Fission and Light Energy Conversion. <i>Chemistry Letters</i> , <b>2021</b> , 50, 615-622	1.7	4
121	Supramolecular Singlet Fission of Pentacene Dimers within Polyaromatic Capsules. <i>Journal of the American Chemical Society</i> , <b>2021</b> ,	16.4	8
120	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> , <b>2021</b> , 12, 6457-6463	6.4	4
119	Synergetic Role of Conformational Flexibility and Electronic Coupling for Quantitative Intramolecular Singlet Fission. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 18287-18296	3.8	5
118	An Air- and Water-Stable B <sub>4</sub> N <sub>4</sub> -Heteropentalene Serving as a Host Material for a Phosphorescent OLED. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 24005	3.6	1
117	An Air- and Water-Stable B N -Heteropentalene Serving as a Host Material for a Phosphorescent OLED. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 23812-23818	16.4	3
116	Efficient Near-Infrared Light-Driven Hydrogen Evolution Catalyzed by a Saddle-Distorted Porphyrin as a Photocatalyst. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 3193-3197	6.1	9
115	Excimer Formation of Aryl Iodides Chemisorbed on Gold Nanoparticles for the Significant Enhancement of Photoluminescence. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 1199-1203	6.4	7
114	Structural Control of Fluorescent Helicates for Improved Circularly Polarized Luminescence Properties <b>2020</b> , 99-116		0
113	Room-Temperature Pentacene Fluids: Oligoethylene Glycol Substituent-Controlled Morphologies and Singlet Fission. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 11910-11918	3.4	1
112	Efficient Singlet Fission in Acene-Based Molecular Assemblies <b>2020</b> , 275-285		
111	Systematic Control of Structural and Photophysical Properties of Extended Mono- and Bis-BODIPY Derivatives. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 316-325	4.8	20
110	Photo-induced glycosylation using a diaryldisulfide as an organo-Lewis photoacid catalyst. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 851-855	3.9	5
109	Electrochemical Properties and Excited-State Dynamics of Azaperylene Derivatives. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 9921-9930	3.4	5
108	Geometries and Terahertz Motions Driving Quintet Multiexcitons and Ultimate Triplet-Triplet Dissociations via the Intramolecular Singlet Fissions. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 9411-9419	3.4	13

107	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> , <b>2019</b> , 141, 14720-14727	16.4	25
106	A Diprotonated Porphyrin as an Electron Mediator in Photoinduced Electron Transfer in Hydrogen-Bonded Supramolecular Assemblies. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 11529-11538	3.8	4
105	Efficient photocatalytic proton-coupled electron-transfer reduction of O using a saddle-distorted porphyrin as a photocatalyst. <i>Chemical Communications</i> , <b>2019</b> , 55, 4925-4928	5.8	9
104	A Pentacene-based Nanotube Displaying Enriched Electrochemical and Photochemical Activities. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 1115-1119	16.4	17
103	Quantitative Sequential Photoenergy Conversion Process from Singlet Fission to Intermolecular Two-Electron Transfers Utilizing Tetracene Dimer. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 26-31	20.1	21
102	Synthesis and Electrochemical and Photophysical Properties of Azaterrylene Derivatives. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 1754-1762	4.5	2
101	A Pentacene-based Nanotube Displaying Enriched Electrochemical and Photochemical Activities. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 1127-1131	3.6	4
100	Concentration-dependent photophysical switching in mixed self-assembled monolayers of pentacene and perylenediimide on gold nanoclusters. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 8693-8706 <sup>6</sup>	3.6	6
99	Synthesis and Photodynamics of Tetragermatetrathia[8]circulene. <i>Organic Letters</i> , <b>2018</b> , 20, 304-307	6.2	25
98	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> , <b>2018</b> , 24, 17062-17071	4.8	11
97	Inter- and Intramolecular Electron-Transfer Reduction Properties of Coronenediimide Derivatives via Photoinduced Processes. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 13333-13346	3.8	6
96	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> , <b>2018</b> , 24, 16889-16894	4.8	31
95	Multiexciton Dynamics Depending on Intramolecular Orientations in Pentacene Dimers: Recombination and Dissociation of Correlated Triplet Pairs. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 3354-3360	6.4	53
94	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> , <b>2017</b> , 121, 9043-9052	3.8	8
93	Synthesis of Tetrasilatetrathia[8]circulenes by a Fourfold Intramolecular Dehydrogenative Silylation of C-H Bonds. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 6948-6952	4.8	23
92	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> , <b>2017</b> , 4, 650-657	5.2	15
91	Control of the electrochemical and photophysical properties of N-substituted benzo[ghi]perylene derivatives. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 2299-2308	7.8	12
90	High-Yield Excited Triplet States in Pentacene Self-Assembled Monolayers on Gold Nanoparticles through Singlet Exciton Fission. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5316-5320	3.6	13

89	Protonation-induced red-coloured circularly polarized luminescence of [5]carbohelicene fused by benzimidazole. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 6738-43	3.9	34
88	Controlled Excited-State Dynamics and Enhanced Fluorescence Property of Tetrasulfone[9]helicene by a Simple Synthetic Process. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 7421-7427	3.8	40
87	Synthetic Control of the Excited-State Dynamics and Circularly Polarized Luminescence of Fluorescent "Push-Pull" Tetrathia[9]helicenes. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 4263-73	4.8	62
86	Synthetic Control of Photophysical Process and Circularly Polarized Luminescence of [5]Carbohelicene Derivatives Substituted by Maleimide Units. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 7860-7869	3.8	50
85	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> , <b>2016</b> , 18, 5453-63	3.6	12
84	Long-Lived Triplet Excited States of Bent-Shaped Pentacene Dimers by Intramolecular Singlet Fission. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 1867-75	2.8	109
83	Controllable Electronic Structures and Photoinduced Processes of Bay-Linked Perylenediimide Dimers and a Ferrocene-Linked Triad. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 9631-41	4.8	14
82	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> , <b>2016</b> , 11, 613-24	4.5	9
81	High-Yield Excited Triplet States in Pentacene Self-Assembled Monolayers on Gold Nanoparticles through Singlet Exciton Fission. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5230-4	16.4	32
80	Siloxy Group-Induced Highly Efficient Room Temperature Phosphorescence with Long Lifetime. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 11631-11639	3.8	69
79	Supramolecular photovoltaic cells utilizing inclusion complexes composed of Li <sup>+</sup> @C60 and cyclic porphyrin dimer. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2015</b> , 19, 242-250	1.8	4
78	Corononetetraimide-centered cruciform pentamers containing multiporphyrin units: synthesis and sequential photoinduced energy- and electron-transfer dynamics. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 11196-205	4.8	12
77	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> , <b>2015</b> , 119, 13488-13495	3.8	14
76	Graphene oxide-Li <sup>+</sup> @C60 donor-acceptor composites for photoenergy conversion. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 15732-8	3.6	9
75	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> , <b>2015</b> , 119, 13937-13947	3.8	86
74	Supramolecular Porphyrin Nanorods for Light Energy Conversion <b>2015</b> , 475-491		1
73	Near-Infrared Photoelectrochemical Conversion via Photoinduced Charge Separation in Supramolecular Complexes of Anionic Phthalocyanines with Li <sup>+</sup> @C60. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 7690-7	3.4	17
72	Ultrafast photoinduced electron transfer in face-to-face charge-transfer complexes of planar porphyrins and hexaazatriphenylene derivatives. <i>Chemical Science</i> , <b>2015</b> , 6, 1498-1509	9.4	30

71	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> , <b>2014</b> , 20, 10099-109	4.8	24
70	Electron-Transfer Reduction Properties and Excited-State Dynamics of Benzo[ghi]peryleneimide and Coroneneimide Derivatives. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 7710-7720	3.8	28
69	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> , <b>2014</b> , 20, 9081-93	4.8	20
68	Photoelectrochemical properties of supramolecular composites of an anionic zinc chlorin and Li@C60 on SnO2. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2014</b> , 18, 982-990	1.8	6
67	Preparation and Photoelectrochemical Properties of Supramolecular Assemblies of Nanoscale Carbon Material Composites. <i>ECS Journal of Solid State Science and Technology</i> , <b>2013</b> , 2, M3015-M3022	2	5
66	Multi-color light-emitting transistors composed of organic single crystals. <i>Organic Electronics</i> , <b>2013</b> , 14, 2737-2742	3.5	19
65	Enhanced photoelectrochemical performance of composite photovoltaic cells of Li(+)-@C60-sulphonated porphyrin supramolecular nanoclusters. <i>Chemical Communications</i> , <b>2013</b> , 49, 4474-6	5.8	40
64	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> , <b>2013</b> , 117, 4441-4449	3.8	36
63	Porphyrin-Based Supramolecular Nanoarchitectures for Solar Energy Conversion. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 1771-80	6.4	96
62	Carbon Nanomaterial-Based Molecular Architectures for Light Energy Conversion. <i>World Scientific Series on Carbon Nanoscience</i> , <b>2012</b> , 95-130	0.5	1
61	Photo- and electro-functional self-assembled architectures of porphyrins. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 15975-87	3.6	52
60	Preparation and structural control of metal coordination-assisted supramolecular architectures of porphyrins. Nanocubes to microrods. <i>Chemical Communications</i> , <b>2012</b> , 48, 4441-3	5.8	21
59	Zinc Phthalocyanine-Graphene Hybrid Material for Energy Conversion: Synthesis, Characterization, Photophysics, and Photoelectrochemical Cell Preparation. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 20564-20573	3.8	102
58	Carbon Nanohorn-Porphyrin Dimer Hybrid Material for Enhancing Light-Energy Conversion. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 9439-9449	3.8	49
57	Self-Assembled Composite Materials of Porphyrins for Optoelectronics	<b>2012</b> , 499-536	1
56	Sequential charge separation in two axially linked phenothiazine-aluminum(III) porphyrin-fullerene triads. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 709-17	2.8	41
55	Graphene oxide with covalently linked porphyrin antennae: Synthesis, characterization and photophysical properties. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 109-117		207
54	Photoinduced processes of the supramolecularly functionalized semi-conductive SWCNTs with porphyrins via ion-pairing interactions. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 707-716	35.4	35

53	Diameter-sorted SWCNT-porphyrin and SWCNT-phthalocyanine conjugates for light-energy harvesting. <i>ChemPhysChem</i> , <b>2011</b> , 12, 2266-73	3.2	46
52	Porphyrin hexamer with a triphenylene core unit: Spectroscopy, electrochemistry and controllable supramolecular formation. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2011</b> , 15, 639-651	1.8	4
51	Solid surface free energy analysis using inkjet droplets. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1360, 151001		
50	Molecular nanoarchitectures composed of porphyrins and carbon nanomaterials for light energy conversion. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2011</b> , 15, 301-311	1.8	15
49	Photochemical charge separation in supramolecular phthalocyanine-multifullerene conjugates assembled by crown ether-alkyl ammonium cation interactions. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 10951-9	2.8	46
48	Supramolecular nanoarchitectures for light energy conversion. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 44-57	3.6	189
47	Photoinduced charge separation in a ferrocene-aluminum(III) porphyrin-fullerene supramolecular triad. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 14348-57	3.4	62
46	Synthesis and aggregate formation of triphenylene core-centered porphyrin hexamers. <i>Chemical Communications</i> , <b>2010</b> , 46, 889-91	5.8	17
45	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> , <b>2010</b> , 46, 8749-51	5.8	35
44	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> , <b>2010</b> , 132, 8158-64	16.4	105
43	Implementation of redox gradients in hydrogen bonded complexes containing N,N-dimethylaniline, flavin and fullerene derivatives. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 1457-1466		19
42	A carbon nanohorn-porphyrin supramolecular assembly for photoinduced electron-transfer processes. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 10752-63	4.8	42
41	Supramolecular structures and photoelectronic properties of the inclusion complex of a cyclic free-base porphyrin dimer and C60. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 11611-23	4.8	74
40	Preparation and Photophysical and Photoelectrochemical Properties of Supramolecular Porphyrin Nanorods Structurally Controlled by Encapsulated Fullerene Derivatives. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 18369-18378	3.8	43
39	Photoinduced electron transfer in aqueous carbon nanotube/block copolymer/CdS hybrids: application in the construction of photoelectrochemical cells. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 8990		37
38	Fullerene-encapsulated porphyrin hexagonal nanorods. An anisotropic donor-acceptor composite for efficient photoinduced electron transfer and light energy conversion. <i>Chemical Communications</i> , <b>2008</b> , 3372-4	5.8	79
37	Characterization and Photoelectrochemical Properties of Nanostructured Thin Film Composed of Carbon Nanohorns Covalently Functionalized with Porphyrins. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 15735-15741	3.8	50
36	Photoconductivity of Porphyrin Nanochannels Composed of Diprotonated Porphyrin Dications with Saddle Distortion and Electron Donors. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 7492-7500	9.6	43

35	Structural and Photophysical Properties of Self-Assembled Porphyrin Nanoassemblies Organized by Ethylene Glycol Derivatives. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 19209-19216	3.8	43
34	Sonication-assisted supramolecular nanorods of meso-diaryl-substituted porphyrins. <i>Chemical Communications</i> , <b>2008</b> , 724-6	5.8	60
33	Fullerene-Based Supramolecular Nanoclusters with Poly[2-methoxy-5-(2-ethylhexyloxy)-p-phenylenevinylene] for Light Energy Conversion. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 1223-1229	1.4	18
32	Controlling Open-Circuit Voltage of Organic Photovoltaic Cells by Inserting Thin Layer of ZnPhthalocyanine at Pentacene/C60Interface. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 1234-1237	1.4	18
31	Photoelectrochemistry of Stacked-Cup Carbon Nanotube Films. Tube-Length Dependence and Charge Transfer with Excited Porphyrin. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 16626-16634	3.8	43
30	Shape- and functionality-controlled organization of TiO <sub>2</sub> -porphyrin-C60 assemblies for improved performance of photochemical solar cells. <i>Chemistry - an Asian Journal</i> , <b>2007</b> , 2, 265-72	4.5	36
29	Control of open-circuit voltage in organic photovoltaic cells by inserting an ultrathin metal-phthalocyanine layer. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 083518	3.4	64
28	Organic solar cells. Supramolecular composites of porphyrins and fullerenes organized by polypeptide structures as light harvesters. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 4160		150
27	Porphyrin-Based Molecular Architectures for Light Energy Conversion. <i>Molecular Crystals and Liquid Crystals</i> , <b>2007</b> , 471, 39-51	0.5	16
26	Stacked-cup carbon nanotubes for photoelectrochemical solar cells. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 755-9	16.4	113
25	Stacked-Cup Carbon Nanotubes for Photoelectrochemical Solar Cells. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 769-773	3.6	21
24	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> , <b>2006</b> , 110, 25477-84	3.4	172
23	Supramolecular nanostructured assemblies of different types of porphyrins with fullerene using TiO <sub>2</sub> nanoparticles for light energy conversion. <i>Tetrahedron</i> , <b>2006</b> , 62, 1937-1946	2.4	63
22	Enhancement of light-energy conversion efficiency by multi-porphyrin arrays of porphyrin-peptide oligomers with fullerene clusters. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 19-23	3.4	168
21	Photovoltaic cells using composite nanoclusters of porphyrins and fullerenes with gold nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 1216-28	16.4	429
20	Organization of supramolecular assembly of 9-mesityl-10-carboxymethylacridinium ion and fullerene clusters on TiO <sub>2</sub> nanoparticles for light energy conversion. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 372		33
19	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> , <b>2005</b> , 127, 11884-5	16.4	185
18	Organization of supramolecular assemblies of fullerene, porphyrin and fluorescein dye derivatives on TiO <sub>2</sub> nanoparticles for light energy conversion. <i>Chemical Physics</i> , <b>2005</b> , 319, 243-252	2.3	40

17	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> , <b>2005</b> , 109, 4662-70	2.8	34
16	Porphyrin and fullerene-based artificial photosynthetic materials for photovoltaics. <i>Thin Solid Films</i> , <b>2004</b> , 451-452, 580-588	2.2	32
15	Supramolecular Photovoltaic Cells Using Porphyrin Dendrimers and Fullerene. <i>Advanced Materials</i> , <b>2004</b> , 16, 975-979	24	139
14	Photoelectrochemical properties of supramolecular composite of fullerene nanoclusters and 9-mesityl-10-carboxymethylacridinium ion on SnO <sub>2</sub> . <i>Organic Letters</i> , <b>2004</b> , 6, 3103-6	6.2	39
13	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> , <b>2004</b> , 108, 15200-15205	3.4	35
12	Complex formation in electron-transfer reactions of porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2004</b> , 08, 191-200	1.8	11
11	Supramolecular Photovoltaic Cells Based on Composite Molecular Nanoclusters: Dendritic Porphyrin and C <sub>60</sub> , Porphyrin Dimer and C <sub>60</sub> , and Porphyrin-C <sub>60</sub> Dyad. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 12865-12872	3.4	148
10	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> , <b>2003</b> , 07, 296-312	1.8	17
9	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> , <b>2003</b> , 07, 328-336	1.8	11
8	Enhancement of Light Harvesting and Photocurrent Generation by ITO Electrodes Modified with meso,meso-Linked Porphyrin Oligomers. <i>Nano Letters</i> , <b>2003</b> , 3, 409-412	11.5	54
7	Light Energy Conversion Using Mixed Molecular Nanoclusters. Porphyrin and C <sub>60</sub> Cluster Films for Efficient Photocurrent Generation. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 12105-12112	3.4	136
6	Quaternary self-organization of porphyrin and fullerene units by clusterization with gold nanoparticles on SnO <sub>2</sub> electrodes for organic solar cells. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 14962-3	16.4	158
5	Nanostructured assembly of porphyrin clusters for light energy conversion. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 2515		66
4	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> , <b>2002</b> , 124, 532-3	16.4	150
3	Linkage Dependent Charge Separation and Charge Recombination in Porphyrin-Pyromellitimide-Fullerene Triads. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 2803-2814	2.8	38
2	Spectroscopy and Photocurrent Generation in Nanostructured Thin Films of Porphyrin-Fullerene Dyad Clusters. <i>Chemistry Letters</i> , <b>2001</b> , 30, 784-785	1.7	37
1	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> , <b>2001</b> , 17, 4925-4931	4	52