

Hiroshi Imahori

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8859427/hiroshi-imahori-publications-by-year.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.

427
papers

24,476
citations

81
h-index

137
g-index

483
ext. papers

25,847
ext. citations

6.8
avg, IF

7.05
L-index

#	Paper	IF	Citations
427	Facile synthesis of an ambient stable pyreno[4,5-]pyrrole monoanion and pyreno[4,5-:9,10-']dipyrrole dianion: from serendipity to design.. <i>Chemical Science</i> , 2022 , 13, 1594-1599	9.4	0
426	Donor-Acceptor Type Porphyrin-Fullerene Dyad with Acetylene Bridge for p-Type Dye-sensitized Solar Cell. <i>Chemistry Letters</i> , 2022 , 51, 260-263	1.7	
425	Manipulation of Charge-Transfer States by Molecular Design: Perspective from Dynamic Exciton. <i>Accounts of Materials Research</i> , 2021 , 2, 501-514	7.5	10
424	Photodynamic and Photoelectrochemical Properties of Few-Layered Bismuthene Film on SnO ₂ Electrode and Its Hybridization with C ₆₀ . <i>Journal of Physical Chemistry C</i> , 2021 , 125, 13954-13962	3.8	0
423	Development of clean performance-tunable waterborne polyurethane using acetyl tributyl citrate for transferable holographic films. <i>Journal of Cleaner Production</i> , 2021 , 279, 123496	10.3	1
422	Synthesis of thiophene-fused porphyrin dimers as effective extended helical chromophores. <i>Chemical Communications</i> , 2021 , 57, 9606-9609	5.8	3
421	Thiophene-Fused Naphthodiphospholes: Modulation of the Structural and Electronic Properties of Polycyclic Aromatics by Precise Fusion of Heteroles. <i>ChemPlusChem</i> , 2021 , 86, 130-136	2.8	2
420	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	5.8	0
419	Long-Range Interfacial Charge Carrier Trapping in Halide Perovskite-C and Halide Perovskite-TiO Donor-Acceptor Films. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 8644-8651	6.4	7
418	Glassy Porphyrin/C Composites: Morphological Engineering of C Fullerene with Liquefied Porphyrins. <i>Langmuir</i> , 2020 , 36, 13583-13590	4	0
417	Simple Processing Additive-Driven 20% Efficiency for Inverted Planar Heterojunction Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 18431-18436	9.5	8
416	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	9.4	16
415	Modulation of Frontier Molecular Orbitals on Dithieno[3,4-b:3',4'-d]phosphole Derivatives by Donor-Acceptor Interaction. <i>Chemistry Letters</i> , 2020 , 49, 272-275	1.7	2
414	Sustained photodynamic effect of single chirality-enriched single-walled carbon nanotubes. <i>Carbon</i> , 2020 , 161, 718-725	10.4	10
413	Unique Role of Heterole-Fused Structures in Aromaticity and Physicochemical Properties of 7,8-Dehydropurpurins. <i>Chemistry - A European Journal</i> , 2020 , 26, 12043-12049	4.8	3
412	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	4.8	4
411	Elucidation of the Mechanisms for the Underlying Depolarization and Reversibility by Photoactive Molecule. <i>Cellular Physiology and Biochemistry</i> , 2020 , 54, 899-916	3.9	0

410	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	14.7	10
409	Effect of Ligand Structures of Copper Redox Shuttles on Photovoltaic Performance of Dye-Sensitized Solar Cells. <i>Inorganic Chemistry</i> , 2020 , 59, 452-459	5.1	27
408	Heavy Metal Effects on the Photovoltaic Properties of Metalloporphyrins in Dye-Sensitized Solar Cells. <i>ACS Applied Energy Materials</i> , 2020 , 3, 12460-12467	6.1	9
407	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	1.7	7
406	Near-infrared light control of membrane potential by an electron donor-acceptor linked molecule. <i>Chemical Communications</i> , 2020 , 56, 12562-12565	5.8	0
405	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 & Interfaces</i> , 2020 , 12, 39236-39244	9.5	5
404	Effects of meso-diarylamino group of porphyrins on optical and electrochemical properties. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020 , 24, 67-74	1.8	4
403	Thiazolocatechol: Electron-Withdrawing Catechol Anchoring Group for Dye-Sensitized Solar Cells. <i>ChemPhysChem</i> , 2019 , 20, 2689-2695	3.2	3
402	Exclusive occurrence of photoinduced energy transfer and switching of its direction by rectangular extension of nanographenes. <i>Chemical Science</i> , 2019 , 10, 6642-6650	9.4	16
401	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	16.4	125
400	Photoleitfähigkeit in Dünnschichten Metall-organischer Gerüste. <i>Angewandte Chemie</i> , 2019 , 131, 9691-9696	3.6	12
399	Photoconductivity in Metal-Organic Framework (MOF) Thin Films. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9590-9595	16.4	68
398	Synthesis of Phosphole-bridged Porphyrin Dimers. <i>Chemistry Letters</i> , 2019 , 48, 257-259	1.7	1
397	Pluripotent Features of Doubly Thiophene-Fused Benzodiphospholes as Organic Functional Materials. <i>Chemistry - A European Journal</i> , 2019 , 25, 6425-6438	4.8	7
396	Isomer Effects of Fullerene Derivatives on Organic Photovoltaics and Perovskite Solar Cells. <i>Accounts of Chemical Research</i> , 2019 , 52, 2046-2055	24.3	72
395	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	10.3	15
394	Spontaneous Complexation of Fullerene Aggregates on Nanodiamond Aggregates and Their Enhanced Photocurrent Generation. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 4042-4047	4.5	2
393	ABC-ABC-Type Directly meso-meso Linked Porphyrin Dimers. <i>Chemistry - A European Journal</i> , 2019 , 25, 389-389	4.8	

392	ABC-ABC-Type Directly meso-meso Linked Porphyrin Dimers. <i>Chemistry - A European Journal</i> , 2019 , 25, 538-547	4.8	8
391	Cleaner synthesis and systematical characterization of sustainable poly(isosorbide-co-ethylene terephthalate) by environ-benign and highly active catalysts. <i>Journal of Cleaner Production</i> , 2019 , 206, 483-497	10.3	13
390	Phosphole-Thiophene Hybrid: A Dual Role of Dithieno[3,4- b:3',4'- d]phosphole as Electron Acceptor and Electron Donor. <i>Journal of Organic Chemistry</i> , 2018 , 83, 3397-3402	4.2	9
389	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	3.2	11
388	Unique cohesive nature of the 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	5.8	20
387	Electron transfer and exciplex chemistry of functionalized nanocarbons: effects of electronic coupling and donor dimerization. <i>Nanoscale Horizons</i> , 2018 , 3, 352-366	10.8	22
386	Photophysical Properties of Porphyrin Dimer-Single-Walled Carbon Nanotube Linked Systems. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13285-13293	3.8	5
385	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	7	15
384	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	4.8	16
383	Calix[5]phyrin for Fluoride Ion Sensing with Visible and Near Infrared Optical Responses. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 2019	4.5	8
382	Carbon Nanomaterials: Unique Tube-Ring Interactions: Complexation of Single-Walled Carbon Nanotubes with Cycloparaphenyleneacetylenes (Small 26/2018). <i>Small</i> , 2018 , 14, 1870120	11	1
381	Reversible System switching of thiophene-fused thiahexaphyrins by solvent and oxidation/reduction. <i>Chemical Science</i> , 2018 , 9, 7528-7539	9.4	6
380	Effect of Silicon Surface for Perovskite/Silicon Tandem Solar Cells: Flat or Textured?. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35016-35024	9.5	29
379	-1 Isomers of tethered bismethano[70]fullerene as electron acceptors in organic photovoltaics.. <i>RSC Advances</i> , 2018 , 8, 18316-18326	3.7	9
378	Unique Tube-Ring Interactions: Complexation of Single-Walled Carbon Nanotubes with Cycloparaphenyleneacetylenes. <i>Small</i> , 2018 , 14, e1800720	11	24
377	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	2	10
376	A Ruthenium Complex-Porphyrin-Fullerene-Linked Molecular Pentad as an Integrative Photosynthetic Model. <i>Angewandte Chemie</i> , 2017 , 129, 3377-3381	3.6	15
375	Structural Effects on the Incident Photon-to-Current Conversion Efficiency of Zn Porphyrin Dyes on the Low-Index Planes of TiO. <i>ACS Omega</i> , 2017 , 2, 128-135	3.9	3

374	Hexaphyrin as a Potential Theranostic Dye for Photothermal Therapy and F Magnetic Resonance Imaging. <i>ChemBioChem</i> , 2017 , 18, 951-959	3.8	13
373	Unsymmetrically Substituted Donor-Acceptor-Type 5,15-Diazaporphyrin Sensitizers: Synthesis, Optical and Photovoltaic Properties. <i>ChemPlusChem</i> , 2017 , 82, 695-704	2.8	6
372	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	13	31
371	A Ruthenium Complex-Porphyrin-Fullerene-Linked Molecular Pentad as an Integrative Photosynthetic Model. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 3329-3333	16.4	49
370	Long-Range Observation of Exciplex Formation and Decay Mediated by One-Dimensional Bridges. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 13952-13961	3.8	5
369	Enantiomerically Separated [70]PCBM for Organic Photovoltaics. <i>Chemistry Letters</i> , 2017 , 46, 1001-1003	1.7	8
368	Thiophene-fused dithiaoctaphyrins: System switching between cross-conjugated and macrocyclic Etnetworks. <i>Chemical Communications</i> , 2017 , 53, 5091-5094	5.8	9
367	Occurrence of photoinduced charge separation by the modulation of the electronic coupling between pyrene dimers and chemically converted graphenes. <i>Chemical Communications</i> , 2017 , 53, 1025-1028	5.8	6
366	A chemical approach to perovskite solar cells: control of electron-transporting mesoporous TiO and utilization of nanocarbon materials. <i>Dalton Transactions</i> , 2017 , 46, 15615-15627	4.3	16
365	Regioisomer effects of [70]PCBM on film structures and photovoltaic properties of composite films with a crystalline conjugated polymer P3HT. <i>RSC Advances</i> , 2017 , 7, 45697-45704	3.7	7
364	Photovoltaic Properties and Long-Term Durability of Porphyrin-Sensitized Solar Cells with Silicon-Based Anchoring Groups. <i>ACS Omega</i> , 2017 , 2, 6958-6967	3.9	19
363	Lead-free perovskite solar cells using Sb and Bi-based ABX and ABX crystals with normal and inverse cell structures. <i>Nano Convergence</i> , 2017 , 4, 26	9.2	38
362	DNA nanotechnology-based composite-type gold nanoparticle-immunostimulatory DNA hydrogel for tumor photothermal immunotherapy. <i>Biomaterials</i> , 2017 , 146, 136-145	15.6	123
361	A Hydroxamic Acid Anchoring Group for Durable Dye-Sensitized Solar Cells Incorporating a Cobalt Redox Shuttle. <i>ChemSusChem</i> , 2017 , 10, 3347-3351	8.3	29
360	Strategy to Attain Remarkably High Photoinduced Charge-Separation Yield of Donor-Acceptor Linked Molecules in Biological Environment via Modulating Their Cationic Moieties. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 17457-17465	3.8	10
359	Optical control of mitochondrial reductive reactions in living cells using an electron donor-acceptor linked molecule. <i>Nanoscale</i> , 2017 , 9, 18690-18698	7.7	21
358	Photoinduced electron transfer reaction in mitochondria for spatiotemporal selective photo-oxidation of lipids by donor/acceptor linked molecules. <i>Nanoscale</i> , 2017 , 9, 17909-17913	7.7	5
357	Synthesis of Partially meso-Free 2,3-Di(arylethynyl)porphyrins. <i>Chemistry Letters</i> , 2017 , 46, 976-978	1.7	1

356	Surface chemistry for cytosolic gene delivery and photothermal transgene expression by gold nanorods. <i>Scientific Reports</i> , 2017 , 7, 4694	4.9	16
355	Regioisomer effects of [70]fullerene mono-adduct acceptors in bulk heterojunction polymer solar cells. <i>Chemical Science</i> , 2017 , 8, 181-188	9.4	45
354	Fusing Porphyrins and Phospholes: Synthesis and Analysis of a Phosphorus-Containing Porphyrin. <i>Angewandte Chemie</i> , 2016 , 128, 12499-12503	3.6	5
353	A Push-Pull Porphyrin Dimer with Multiple Electron-donating Groups for Dye-sensitized Solar Cells: Excellent Light-harvesting in Near-infrared Region. <i>Chemistry Letters</i> , 2016 , 45, 1126-1128	1.7	5
352	A new class of epitaxial porphyrin metal-organic framework thin films with extremely high photocarrier generation efficiency: promising materials for all-solid-state solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 12739-12747	13	64
351	Analysis of Sputtering Damage on I-V Curves for Perovskite Solar Cells and Simulation with Reversed Diode Model. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 28441-28447	3.8	32
350	Visible light-driven water oxidation with a subporphyrin sensitizer and a water oxidation catalyst. <i>Chemical Communications</i> , 2016 , 52, 13702-13705	5.8	47
349	Interface Optoelectronics Engineering for Mechanically Stacked Tandem Solar Cells Based on Perovskite and Silicon. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 33553-33561	9.5	30
348	Effects of Bulky Substituents of Push-Pull Porphyrins on Photovoltaic Properties of Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15379-90	9.5	50
347	Molecular Location Sensing Approach by Anisotropic Magnetism of an Endohedral Metallofullerene. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8000-6	16.4	15
346	Remarkable Dependence of the Final Charge Separation Efficiency on the Donor-Acceptor Interaction in Photoinduced Electron Transfer. <i>Angewandte Chemie</i> , 2016 , 128, 639-643	3.6	21
345	Optical control of neuronal firing photoinduced electron transfer in donor-acceptor conjugates. <i>Chemical Science</i> , 2016 , 7, 3331-3337	9.4	20
344	An efficient electron transport material of tin oxide for planar structure perovskite solar cells. <i>Journal of Power Sources</i> , 2016 , 307, 891-897	8.9	59
343	Probing the Dipolar Coupling in a Heterospin Endohedral Fullerene-Phthalocyanine Dyad. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1313-9	16.4	25
342	Visible light-driven water oxidation using a covalently-linked molecular catalyst-sensitizer dyad assembled on a TiO electrode. <i>Chemical Science</i> , 2016 , 7, 1430-1439	9.4	84
341	Remarkable Dependence of Exciplex Decay Rate on Through-Space Separation Distance between Porphyrin and Chemically Converted Graphene. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 28337-28344	3.8	13
340	Remarkable Dependence of the Final Charge Separation Efficiency on the Donor-Acceptor Interaction in Photoinduced Electron Transfer. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 629-33	16.4	79
339	Geometries, Electronic Couplings, and Hole Dissociation Dynamics of Photoinduced Electron-Hole Pairs in Polyhexylthiophene-Fullerene Dyads Rigidly Linked by Oligophenylenes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5879-85	16.4	37

338	Blend films of an amorphous conjugated polymer and a thermal precursor fullerene: effects of annealing temperatures on film structures and photovoltaic properties. <i>RSC Advances</i> , 2016 , 6, 83758-83766	3.7	11
337	Fusing Porphyrins and Phospholes: Synthesis and Analysis of a Phosphorus-Containing Porphyrin. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12311-5	16.4	18
336	Light stability tests of methylammonium and formamidinium Pb-halide perovskites for solar cell applications. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 08KF08	1.4	47
335	Synthesis and Isolation of cis-2 Regiospecific Ethylene-Tethered Indene Dimer-[70]Fullerene Adduct for Polymer Solar Cell Applications. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16676-85	9.5	30
334	Molecular interactions on single-walled carbon nanotubes revealed by high-resolution transmission microscopy. <i>Nature Communications</i> , 2015 , 6, 7732	17.4	28
333	A single cis-2 regioisomer of ethylene-tethered indene dimer-fullerene adduct as an electron-acceptor in polymer solar cells. <i>Chemical Communications</i> , 2015 , 51, 8233-6	5.8	33
332	Effects of Immersion Solvent on Photovoltaic and Photophysical Properties of Porphyrin-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18689-96	9.5	14
331	Tropolone as a High-Performance Robust Anchoring Group for Dye-Sensitized Solar Cells. <i>Angewandte Chemie</i> , 2015 , 127, 9180-9184	3.6	31
330	Polymer-Assisted Construction of Mesoporous TiO ₂ Layers for Improving Perovskite Solar Cell Performance. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 22847-22854	3.8	25
329	Porphyrins as excellent dyes for dye-sensitized solar cells: recent developments and insights. <i>Dalton Transactions</i> , 2015 , 44, 448-63	4.3	472
328	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	1.7	27
327	Boosting of the Performance of Perovskite Solar Cells through Systematic Introduction of Reduced Graphene Oxide in TiO ₂ Layers. <i>Chemistry Letters</i> , 2015 , 44, 1410-1412	1.7	29
326	PushPull Bacteriochlorin: Panchromatic Sensitizer for Dye-sensitized Solar Cell. <i>Chemistry Letters</i> , 2015 , 44, 1395-1397	1.7	5
325	Thermosensitive Ion Channel Activation in Single Neuronal Cells by Using Surface-Engineered Plasmonic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11725-9	16.4	67
324	Hybrid [5]Radialenes with Bispyrroloheteroles: New Electron-Donating Units. <i>Chemistry - A European Journal</i> , 2015 , 21, 13375-81	4.8	7
323	Tropolone as a High-Performance Robust Anchoring Group for Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9052-6	16.4	91
322	Thermosensitive Ion Channel Activation in Single Neuronal Cells by Using Surface-Engineered Plasmonic Nanoparticles. <i>Angewandte Chemie</i> , 2015 , 127, 11891-11895	3.6	5
321	Material Exchange Property of Organo Lead Halide Perovskite with Hole-Transporting Materials. <i>Photonics</i> , 2015 , 2, 1043-1053	2.2	16

- 320 Nature-Inspired Tree-Like TiO₂ Architecture: A 3D Platform for the Assembly of CdS and Reduced Graphene Oxide for Photoelectrochemical Processes. *Journal of Physical Chemistry C*, **2015**, 119, 7543-7553 3.8 63
- 319 Synthesis and Photophysical Properties of Two Diazaporphyrin-Porphyrin Hetero Dimers in Polar and Nonpolar Solutions. *Journal of Physical Chemistry B*, **2015**, 119, 7328-37 3.4 13
- 318 Across the board: Hiroshi Imahori. *ChemSusChem*, **2015**, 8, 426-7 8.3 1
- 317 Synthesis of push-pull porphyrin with two electron-donating and two electron-withdrawing groups and its application to dye-sensitized solar cell. *Journal of Porphyrins and Phthalocyanines*, **2015**, 19, 140-149 1.8 13
- 316 Phosphole- and Benzodithiophene-Based Copolymers: Synthesis and Application in Organic Photovoltaics. *European Journal of Inorganic Chemistry*, **2014**, 2014, 1620-1624 2.3 39
- 315 Photo-induced electron transfer at nanostructured semiconductor-zinc porphyrin interface. *Chemical Physics Letters*, **2014**, 592, 47-51 2.5 11
- 314 Photothermal ablation of tumor cells using a single-walled carbon nanotube-peptide composite. *Journal of Controlled Release*, **2014**, 173, 59-66 11.7 82
- 313 Slow Charge Recombination and Enhanced Photoelectrochemical Properties of Diazaporphyrin-Fullerene Linked Dyad. *Journal of Physical Chemistry C*, **2014**, 118, 1808-1820 3.8 16
- 312 A unique architecture based on 1 D semiconductor, reduced graphene oxide, and chalcogenide with multifunctional properties. *Chemistry - A European Journal*, **2014**, 20, 10456-65 4.8 11
- 311 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, 081511 5.7 47
- 310 Design and control of organic semiconductors and their nanostructures for polymer-fullerene-based photovoltaic devices. *Journal of Materials Chemistry A*, **2014**, 2, 11545-11560 13 62
- 309 Covalently linked 5,15-diazaporphyrin dimers: promising scaffolds for a highly conjugated azaporphyrin system. *Chemistry - A European Journal*, **2014**, 20, 3342-9 4.8 25
- 308 Effects of alkyl chain length and substituent pattern of fullerene bis-adducts on film structures and photovoltaic properties of bulk heterojunction solar cells. *ACS Applied Materials & Interfaces*, **2014**, 6, 17313-22 9.5 40
- 307 Mobility of Holes in Oligo- and Polyfluorenes of Defined Lengths. *Journal of Physical Chemistry C*, **2014**, 118, 6100-6109 3.8 26
- 306 Mesoscopic metal nanoparticles doubly functionalized with natural and engineered lipidic dispersants for therapeutics. *ACS Nano*, **2014**, 8, 7370-6 16.7 22
- 305 Preparation of immunostimulatory single-walled carbon nanotube/CpG DNA complexes and evaluation of their potential in cancer immunotherapy. *International Journal of Pharmaceutics*, **2014**, 471, 214-23 6.5 21
- 304 Synthesis of Thienothiadiazole-Benzothiadiazole Alternating Copolymers and Their Application to Bulk Heterojunction Solar Cells. *Chemistry Letters*, **2014**, 43, 1876-1878 1.7 3
- 303 N,S,P-Hybrid Donor-Acceptor Organic Dyes for Dye-Sensitized Solar Cell: Synthesis, Optical Properties, and Photovoltaic Performances. *Heteroatom Chemistry*, **2014**, 25, 533-547 1.2 18

302	Synthesis of 2-alkenyl- and 2-alkynyl-benzo[b]phospholes by using palladium-catalyzed cross-coupling reactions. <i>Organic Letters</i> , 2013 , 15, 4458-61	6.2	24
301	Highly asymmetrical porphyrins with enhanced push-pull character for dye-sensitized solar cells. <i>Chemistry - A European Journal</i> , 2013 , 19, 17075-81	4.8	122
300	Photoinduced Energy Transfer in Artificial Photosynthetic Systems 2013 , 729-765		
299	Exclusive photothermal heat generation by a gadolinium bis(naphthalocyanine) complex and inclusion into modified high-density lipoprotein nanocarriers for therapeutic applications. <i>ACS Nano</i> , 2013 , 7, 8908-16	16.7	30
298	Effect of Fluorine Substitution on Photovoltaic Properties of Benzothiadiazole/Carbazole Alternating Copolymers. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 21148-21157	3.8	48
297	Triarylamine-substituted imidazole- and quinoxaline-fused push-pull porphyrins for dye-sensitized solar cells. <i>ChemSusChem</i> , 2013 , 6, 508-17	8.3	60
296	Photofunctional Hybrid Nanocarbon Materials. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 3195-3209	3.8	94
295	Role of Adsorption Structures of Zn-Porphyrin on TiO ₂ in Dye-Sensitized Solar Cells Studied by Sum Frequency Generation Vibrational Spectroscopy and Ultrafast Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 6066-6080	3.8	126
294	Conjugated donor-acceptor (D/A) copolymers in inverted organic solar cells: a combined experimental and modelling study. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7451	13	11
293	Synthesis and charge-carrier transport properties of poly(phosphole P-alkanesulfonylimide)s. <i>Organic Letters</i> , 2013 , 15, 932-5	6.2	41
292	Mechanism of Cell Interactions with Water-Dispersed Carbon Nanohorns. <i>Nanoscience and Nanotechnology Letters</i> , 2013 , 5, 402-407	0.8	5
291	Incorporation of Graphene to Fullerene Clusters and Fullerene-Nanotube Composites and Their Photoelectrochemical Properties. <i>ECS Journal of Solid State Science and Technology</i> , 2013 , 2, M3001-M3007		12
290	Synthesis and Photovoltaic Properties of Phenylethynyl-substituted Diazaporphyrin. <i>Chemistry Letters</i> , 2013 , 42, 725-726	1.7	11
289	Synthesis and Photovoltaic Properties of Conjugated Polymer Based on 1,3,4-Thiadiazole Unit. <i>Chemistry Letters</i> , 2012 , 41, 354-356	1.7	14
288	Thermal Conversion of Precursor Polymer to Low Bandgap Conjugated Polymer Containing Isothianaphthene Dimer Subunits. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 1256-1264	3.8	10
287	Synthesis of low bandgap polymers based on thienoquinodimethane units and their applications in bulk heterojunction solar cells. <i>Journal of Materials Chemistry</i> , 2012 , 22, 24394		17
286	Synthesis and structure-property relationships of 2,2'-bis(benzo[b]phosphole) and 2,2'-benzo[b]phosphole-benzo[b]heterole hybrid systems. <i>Chemistry - A European Journal</i> , 2012 , 18, 15972-83	4.8	45
285	Photodynamic and photothermal effects of semiconducting and metallic-enriched single-walled carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 17862-5	16.4	148

- 284 Free base and metal complexes of 5,15-diaza-10,20-dimesitylporphyrins: synthesis, structures, optical and electrochemical properties, and aromaticities. *Inorganic Chemistry*, **2012**, 51, 12879-90 5.1 56
- 283 Effects of carbon-metal-carbon linkages on the optical, photophysical, and electrochemical properties of phosphametallacycle-linked coplanar porphyrin dimers. *Journal of the American Chemical Society*, **2012**, 134, 1825-39 16.4 49
- 282 A Photoconductive, Thiophene-Fullerene Double-Cable Polymer, Nanorod Device. *Journal of Physical Chemistry Letters*, **2012**, 3, 478-81 6.4 9
- 281 Creation of Pure Nanodrugs and Their Anticancer Properties. *Angewandte Chemie*, **2012**, 124, 10461-10466 5.6 14
- 280 Creation of pure nanodrugs and their anticancer properties. *Angewandte Chemie - International Edition*, **2012**, 51, 10315-8 16.4 121
- 279 Self-Assembled Porphyrins on Modified Zinc Oxide Nanorods: Development of Model Systems for Inorganic/Organic Semiconductor Interface Studies. *Journal of Physical Chemistry C*, **2012**, 116, 2336-2343^{3.8} 33
- 278 Co-grafting of porphyrins and fullerenes on ZnO nanorods: towards supramolecular donor-acceptor assembly. *Journal of Colloid and Interface Science*, **2012**, 386, 268-76 9.3 15
- 277 Donor/Acceptor Alternating Copolymer Based on Thermally Converted Isothianaphthene Dimer and Thiazolothiazole Subunits. *Journal of Physical Chemistry C*, **2012**, 116, 17414-17423 3.8 8
- 276 Utilization of photoinduced charge-separated state of donor-acceptor-linked molecules for regulation of cell membrane potential and ion transport. *Journal of the American Chemical Society*, **2012**, 134, 6092-5 16.4 39
- 275 Effects of dihydronaphthyl-based [60]fullerene bisadduct regioisomers on polymer solar cell performance. *Chemical Communications*, **2012**, 48, 8550-2 5.8 65
- 274 Development of a novel composite material with carbon nanotubes assisted by self-assembled peptides designed in conjunction with sheet formation. *Journal of Pharmaceutical Sciences*, **2012**, 101, 3398-412 3.9 16
- 273 π -Diarylacenaphtho[1,2-c]phosphole P-oxides: divergent synthesis and application to cathode buffer layers in organic photovoltaics. *Chemistry - an Asian Journal*, **2012**, 7, 2305-12 4.5 44
- 272 Preparation and photophysical and photoelectrochemical properties of a covalently fixed porphyrin-chemically converted graphene composite. *Chemistry - A European Journal*, **2012**, 18, 4250-7 4.8 50
- 271 Nickel(II) and copper(II) complexes of μ -unsubstituted 5,15-diazaporphyrins and pyridazine-fused diazacorrinoids: metal-template syntheses and peripheral functionalizations. *Chemistry - A European Journal*, **2012**, 18, 6208-16 4.8 57
- 270 Self-assembling porphyrins and phthalocyanines for photoinduced charge separation and charge transport. *Chemical Communications*, **2012**, 48, 4032-45 5.8 161
- 269 Application of Multiporphyrin Arrays to Solar Energy Conversion **2012**, 439-498 1
- 268 Synthesis of Chain Type and Fused π -Conjugated Phosphole Derivatives. *Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry*, **2012**, 70, 629-639 0.2 4
- 267 Porphyrin-appended phosphapalladacycle precatalysts: effects of central metals on the catalytic activity in a high-temperature Heck reaction. *Journal of Porphyrins and Phthalocyanines*, **2011**, 15, 1172-1182^{1.8} 16

266	Formation of single-walled carbon nanotube thin films enriched with semiconducting nanotubes and their application in photoelectrochemical devices. <i>Nanoscale</i> , 2011 , 3, 1845-9	7.7	16
265	Electron transfer cascade by organic/inorganic ternary composites of porphyrin, zinc oxide nanoparticles, and reduced graphene oxide on a tin oxide electrode that exhibits efficient photocurrent generation. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7684-7	16.4	120
264	Photoinduced charge carrier dynamics of Zn-porphyrin-TiO ₂ electrodes: the key role of charge recombination for solar cell performance. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 3679-90	2.8	193
263	Photophysics and photoelectrochemical properties of nanohybrids consisting of fullerene-encapsulated single-walled carbon nanotubes and poly(3-hexylthiophene). <i>Energy and Environmental Science</i> , 2011 , 4, 741-750	35.4	56
262	Effects of fullerene encapsulation on structure and photophysical properties of porphyrin-linked single-walled carbon nanotubes. <i>Chemical Communications</i> , 2011 , 47, 11781-3	5.8	24
261	Optical, Electrochemical, and Photovoltaic Effects of an Electron-Withdrawing Tetrafluorophenylene Bridge in a PushPull Porphyrin Sensitizer Used for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 14415-14424	3.8	92
260	Segregated donor-acceptor columns in liquid crystals that exhibit highly efficient ambipolar charge transport. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10736-9	16.4	116
259	Divergent Synthesis of 2,5-Diarylphospholes Based on Cross-coupling Reactions: Substituent Effects on the Optical and Redox Properties of BenzenePhospholeBenzene π Systems. <i>Chemistry Letters</i> , 2011 , 40, 919-921	1.7	19
258	Density Functional Theory Studies on Chemical Functionalization of Single-Walled Carbon Nanotubes by Bingel Reaction. <i>Bulletin of the Chemical Society of Japan</i> , 2011 , 84, 748-753	5.1	1
257	Synthesis and photovoltaic properties of thiopheneimide-fused thiophene alternating copolymers with different alkyl side chains. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12454		18
256	Effects of heterole spacers on the structural, optical, and electrochemical properties of 2,5-bis(1,5-diphenylphosphol-2-yl)heteroles. <i>Heteroatom Chemistry</i> , 2011 , 22, 457-470	1.2	11
255	Bisquinoxaline-fused porphyrins for dye-sensitized solar cells. <i>ChemSusChem</i> , 2011 , 4, 797-805	8.3	34
254	Inside Cover: Bisquinoxaline-Fused Porphyrins for Dye-Sensitized Solar Cells (ChemSusChem 6/2011). <i>ChemSusChem</i> , 2011 , 4, 670-670	8.3	
253	Carbon Nanotube Wiring of Donor-Acceptor Nanograins by Self-Assembly and Efficient Charge Transport. <i>Angewandte Chemie</i> , 2011 , 123, 4711-4715	3.6	6
252	Fusion of Phosphole and 1,1'-Biacenaphthene: Phosphorus(V)-Containing Extended π Systems with High Electron Affinity and Electron Mobility. <i>Angewandte Chemie</i> , 2011 , 123, 8166-8170	3.6	39
251	Carbon nanotube wiring of donor-acceptor nanograins by self-assembly and efficient charge transport. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4615-9	16.4	32
250	Fusion of phosphole and 1,1'-biacenaphthene: phosphorus(V)-containing extended π Systems with high electron affinity and electron mobility. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 8016-20	16.4	106
249	Tunable, strongly-donating perylene photosensitizers for dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2011 , 21, 7166		64

248	J-aggregation of a sulfonated amphiphilic porphyrin at the air-water interface as a function of pH. <i>Journal of Colloid and Interface Science</i> , 2011 , 356, 775-82	9.3	16
247	Fullerenes for Photoelectrochemical and Photovoltaic Devices. <i>World Scientific Series on Carbon Nanoscience</i> , 2011 , 593-635	0.5	
246	Local stoichiometry in amorphous supramolecular composites analyzed by solid-state C13 nuclear magnetic resonance. <i>Applied Physics Letters</i> , 2011 , 98, 113301	3.4	5
245	Artificial Photosynthesis. <i>Trends in the Sciences</i> , 2011 , 16, 26-29	0	
244	Zinc-Induced Fluorescence Enhancement of the 5,10-Porphodimethene-Type Thiophene-Containing Calixphyrins. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2010 , 185, 1098-1107	1	8
243	Novel Electron Donor Acceptor Nanocomposites 2010 , 93-127		2
242	Synthesis, structures, and aromaticity of phosphole-containing porphyrins and their metal complexes. <i>Pure and Applied Chemistry</i> , 2010 , 82, 583-593	2.1	27
241	Dispersion of carbon nanotubes by photo- and thermal-responsive polymers containing azobenzene unit in the backbone. <i>Chemical Communications</i> , 2010 , 46, 5969-71	5.8	47
240	Good solvent effects of C70 cluster formations and their electron-transporting and photoelectrochemical properties. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 14287-97	3.4	5
239	Fabrication of dye-sensitized solar cells using natural dye for food pigment: Monascus yellow. <i>Energy and Environmental Science</i> , 2010 , 3, 905	35.4	54
238	Comparison of Cluster Formation, Film Structure, Microwave Conductivity, and Photoelectrochemical Properties of Composites Consisting of Single-Walled Carbon Nanotubes with C60, C70, and C84. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 3235-3247	3.8	30
237	Effects of meso-Diarylamino Group of Porphyrins as Sensitizers in Dye-Sensitized Solar Cells on Optical, Electrochemical, and Photovoltaic Properties. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 10656-10665	3.8	138
236	Porphyrins as Potential Sensitizers for Dye-Sensitized Solar Cells. <i>Key Engineering Materials</i> , 2010 , 451, 29-40	0.4	5
235	Synthesis of alpha,alpha'-linked oligophospholes and polyphospholes by using Pd-CuI-promoted Stille-type coupling. <i>Organic Letters</i> , 2010 , 12, 2675-7	6.2	48
234	Remarkable effects of P-perfluorophenyl group on the synthesis of core-modified phosphaporphyrinoids and phosphadithiasapphyrin. <i>Organic Letters</i> , 2010 , 12, 1112-5	6.2	29
233	Conjugated Molecular Wire For Excitons. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 1492-1496	6.4	33
232	Synthesis and reactions of phosphaporphyrins: reconstruction of pi-skeleton triggered by oxygenation of a core phosphorus atom. <i>Journal of Organic Chemistry</i> , 2010 , 75, 375-89	4.2	38
231	Effects of Elongation and the Fused Position of Quinoxaline-Fused Porphyrins as Sensitizers in Dye-Sensitized Solar Cells on Optical, Electrochemical, and Photovoltaic Properties. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 11293-11304	3.8	97

230	One-Dimensional Nanostructured Semiconducting Materials for Organic Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 1020-1025	6.4	64
229	Nanostructured materials for efficient solar energy conversion 2010 ,		3
228	Size control of lipid-based drug carrier by drug loading. <i>Molecular BioSystems</i> , 2010 , 6, 789-91		16
227	Oligothiophene Bearing 1-Hydroxy-1-oxodithieno[2,3-b:3',2'-d]phosphole as a Novel Anchoring Group for Dye-sensitized Solar Cells. <i>Chemistry Letters</i> , 2010 , 39, 448-450	1.7	38
226	Selective formation and efficient photocurrent generation of [70]fullerene-single-walled carbon nanotube composites. <i>Advanced Materials</i> , 2010 , 22, 1767-70	24	43
225	Synthesis, structures, optical and electrochemical properties, and complexation of 2,5-bis(pyrrol-2-yl)phospholes. <i>Comptes Rendus Chimie</i> , 2010 , 13, 1035-1047	2.7	17
224	Porphyrin-modified electrodes for solar energy conversion. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009 , 13, 1063-1068	1.8	10
223	A Convenient Method for the Synthesis of π -Ethylnylphospholes and Modulation of Their π -Conjugated Systems. <i>Angewandte Chemie</i> , 2009 , 121, 4062-4065	3.6	16
222	Acenaphtho[1, 2-c]phosphole P-oxide: a phosphole-naphthalene π -conjugated system with high electron mobility. <i>Chemistry - A European Journal</i> , 2009 , 15, 10000-4	4.8	59
221	A convenient method for the synthesis of alpha-ethynylphospholes and modulation of their π -conjugated systems. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4002-5	16.4	45
220	Synthesis and Photophysical and Photovoltaic Properties of Porphyrin π uran and π hiophene Alternating Copolymers. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 10798-10806	3.8	106
219	Large π -aromatic molecules as potential sensitizers for highly efficient dye-sensitized solar cells. <i>Accounts of Chemical Research</i> , 2009 , 42, 1809-18	24.3	876
218	Meso-Substituent Effects on Redox Properties of the 5,10-Porphodimethene-Type P,S,N ₂ -Hybrid Calixphyrins and Their Metal Complexes. <i>Organometallics</i> , 2009 , 28, 6213-6217	3.8	22
217	New palladium(II) complex of P,S-containing hybrid calixphyrin. Theoretical study of electronic structure and reactivity for oxidative addition. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10955-63	16.4	29
216	Donor-Acceptor Nanoarchitecture on Semiconducting Electrodes for Solar Energy Conversion. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 9029-9039	3.8	96
215	Organic Thin-Film Solar Cells Using Electron-Donating Perylene Tetracarboxylic Acid Derivatives. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 15454-15466	3.8	34
214	Phosphole-containing calixpyrroles, calixphyrins, and porphyrins: synthesis and coordination chemistry. <i>Accounts of Chemical Research</i> , 2009 , 42, 1193-204	24.3	100
213	Effects of Electrode Structure on Photoelectrochemical Properties of ZnO Electrodes Modified with Porphyrin π ullerene Composite Layers with an Intervening Fullerene Monolayer. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 10819-10828	3.8	17

212	Supramolecular donor-acceptor heterojunctions by vectorial stepwise assembly of porphyrins and coordination-bonded fullerene arrays for photocurrent generation. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3198-200	16.4	161
211	Photodynamics of Charge Separation and Recombination in Solid Alternating Films of Phthalocyanine or PhthalocyanineFullerene Dyad and Perylene Dicarboximide. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 1984-1992	3.8	28
210	Design and synthesis of phosphole-based pi systems for novel organic materials. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 1258-71	3.9	246
209	Effects of Porphyrin Substituents and Adsorption Conditions on Photovoltaic Properties of Porphyrin-Sensitized TiO ₂ Cells. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18406-18413	3.8	133
208	Phosphole-triazole hybrids: a facile synthesis and complexation with Pd(II) and Pt(II) salts. <i>Organic Letters</i> , 2009 , 11, 3338-41	6.2	33
207	PHOTOINDUCED ELECTRON TRANSFER IN A CAROTENOBUCKMINSTERFULLERENE DYAD. <i>Photochemistry and Photobiology</i> , 2008 , 62, 1009-1014	3.6	81
206	Photoinduced Electron Transfer in LangmuirBlodgett Monolayers of Double-Linked PhthalocyanineFullerene Dyads. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 9896-9902	3.8	32
205	Triaryl(1-pyrenyl)bismuthonium salts: efficient photoinitiators for cationic polymerization of oxiranes and a vinyl ether. <i>Organic Letters</i> , 2008 , 10, 2167-70	6.2	19
204	Synthesis of sterically hindered phthalocyanines and their applications to dye-sensitized solar cells. <i>Dalton Transactions</i> , 2008 , 5476-83	4.3	101
203	Carbon nanotube-modified electrodes for solar energy conversion. <i>Energy and Environmental Science</i> , 2008 , 1, 120	35.4	170
202	Substituent effects of porphyrins on structures and photophysical properties of amphiphilic porphyrin aggregates. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 16517-24	3.4	60
201	Naphthyl-Fused Elongated Porphyrins for Dye-Sensitized TiO ₂ Cells. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 15576-15585	3.8	132
200	Regioselective beta-metalation of meso-phosphanylporphyrins. Structure and optical properties of porphyrin dimers linked by peripherally fused phosphametallacycles. <i>Journal of the American Chemical Society</i> , 2008 , 130, 4588-9	16.4	72
199	Synthesis of thiophene-containing hybrid calixphyrins of the 5,10-porphodimethene type. <i>Journal of Organic Chemistry</i> , 2008 , 73, 5139-42	4.2	19
198	Redox-coupled complexation of 23-phospha-21-thiaporphyrin with group 10 metals: a convenient access to stable core-modified isophlorin-metal complexes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 16446-7	16.4	53
197	Monophosphaporphyrins: oxidative pi-extension at the peripherally fused carbocycle of the phosphaporphyrin ring. <i>Organic Letters</i> , 2008 , 10, 553-6	6.2	45
196	Syntheses, structures, and coordination chemistry of phosphole-containing hybrid calixphyrins: promising macrocyclic P,N ₂ ,X-mixed donor ligands for designing reactive transition-metal complexes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 990-1002	16.4	71
195	Synthesis, Structures, and Coordinating Properties of Phosphole-Containing Hybrid Calixpyrroles. <i>Organometallics</i> , 2008 , 27, 3142-3152	3.8	23

194	Remarkable Substituent Effects on the Oxidizing Ability of Tetraaryl­bismuthonium Tetrafluoroborates in Alcohol Oxidation. <i>Bulletin of the Chemical Society of Japan</i> , 2008 , 81, 1621-1628	5.1	7
193	Fused Five-membered Porphyrin for Dye-sensitized Solar Cells. <i>Chemistry Letters</i> , 2008 , 37, 846-847	1.7	61
192	Clusterization, electrophoretic deposition, and photoelectrochemical properties of fullerene-functionalized carbon nanotube composites. <i>Chemistry - A European Journal</i> , 2008 , 14, 4875-85	4.8	53
191	Comparative study on the structural, optical, and electrochemical properties of bithiophene-fused benzo[c]phospholes. <i>Chemistry - A European Journal</i> , 2008 , 14, 8102-15	4.8	71
190	Tunable solet-band splitting of an amphiphilic porphyrin by surface pressure. <i>ChemPhysChem</i> , 2008 , 9, 1511-3	3.2	15
189	Light harvesting and energy transfer in multiporphyrin-modified CdSe nanoparticles. <i>ChemSusChem</i> , 2008 , 1, 254-61	8.3	35
188	Bithiophene-Fused Benzo[c]phospholes: Novel P,S-Containing Hybrid EConjugated Systems with Small HOMO-LUMO Energy Gaps. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 255-259	3.2	31
187	meso-3,5-Bis(trifluoromethyl)phenyl-substituted expanded porphyrins: synthesis, characterization, and optical, electrochemical, and photophysical properties. <i>Chemistry - an Asian Journal</i> , 2008 , 3, 2065-74	4.5	29
186	Quinoxaline-Fused Porphyrins for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 4396-4405	3.8	157
185	Large Reorganization Energy of Pyrrolidine-Substituted Perylenediimide in Electron Transfer. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 6133-6142	3.8	37
184	Ultrafast photoinduced electron transfer in directly linked porphyrin-ferrocene dyads. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 5136-43	2.8	77
183	Dendritic Effects on Structure and Photophysical and Photoelectrochemical Properties of Fullerene Dendrimers and Their Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 2777-2786	3.8	48
182	Hydrogen-Bonding Effects on Film Structure and Photoelectrochemical Properties of Porphyrin and Fullerene Composites on Nanostructured TiO ₂ Electrodes. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 13618-13626	3.8	50
181	Retention of Intrinsic Electronic Properties of Soluble Single-Walled Carbon Nanotubes after a Significant Degree of Sidewall Functionalization by the Bingel Reaction. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 9734-9741	3.8	61
180	Gold nanoparticle enhanced charge transfer in thin film assemblies of porphyrin-fullerene dyads. <i>Langmuir</i> , 2007 , 23, 13117-25	4	35
179	Synthesis, structures, and properties of meso-phosphorylporphyrins: self-organization through P-oxo-zinc coordination. <i>Chemistry - A European Journal</i> , 2007 , 13, 891-901	4.8	65
178	Effects of porphyrin substituents on film structure and photoelectrochemical properties of porphyrin/fullerene composite clusters electrophoretically deposited on nanostructured SnO ₂ electrodes. <i>Chemistry - A European Journal</i> , 2007 , 13, 10182-93	4.8	69
177	Mesityltriphenylbismuthonium tetrafluoroborate as an efficient bismuth(V) oxidant: remarkable steric effects on reaction rates and chemoselectivities in alcohol oxidation. <i>Tetrahedron Letters</i> , 2007 , 48, 2885-2888	2	10

176	Symmetry of the electronic and geometric structures of metallofullerene M@C74 (M = Be, Mg, Ca, Sr, and Ba) in terms of vibronic coupling. <i>Chemical Physics Letters</i> , 2007 , 442, 47-52	2.5	10
175	Photoinduced energy transfer in composites of poly[(p-phenylene-1,2-vinylene)-co-(p-phenylene-1,1-vinylidene)] and single-walled carbon nanotubes. <i>Chemical Physics Letters</i> , 2007 , 444, 263-267	2.5	30
174	Electron-donating perylene tetracarboxylic acids for dye-sensitized solar cells. <i>Organic Letters</i> , 2007 , 9, 1971-4	6.2	237
173	Synthesis and aggregation behavior of meso-sulfinylporphyrins: evaluation of S-chirality effects on the self-organization to S-oxo-tethered cofacial porphyrin dimers. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 1417-29	4.5	21
172	Creation of Fullerene-Based Artificial Photosynthetic Systems. <i>Bulletin of the Chemical Society of Japan</i> , 2007 , 80, 621-636	5.1	144
171	Novel unsymmetrically pi-elongated porphyrin for dye-sensitized TiO2 cells. <i>Chemical Communications</i> , 2007 , 2069-71	5.8	155
170	Effects of 5-Membered Heteroaromatic Spacers on Structures of Porphyrin Films and Photovoltaic Properties of Porphyrin-Sensitized TiO2 Cells. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 3528-3537	3.8	125
169	Electrophoretic Deposition of Single-Walled Carbon Nanotubes Covalently Modified with Bulky Porphyrins on Nanostructured SnO2 Electrodes for Photoelectrochemical Devices. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11484-11493	3.8	65
168	Electrophoretic deposition of donor-acceptor nanostructures on electrodes for molecular photovoltaics. <i>Journal of Materials Chemistry</i> , 2007 , 17, 31-41		70
167	Synthesis of 2-aryl-5-styrylphospholes: promising candidates for the phosphole-based NLO chromophores. <i>Journal of Organic Chemistry</i> , 2007 , 72, 6200-5	4.2	46
166	Electrospray mass spectrometry analysis of dendritic branches bearing peripheral fullerene subunits. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 386, 46-51	4.4	5
165	Synthesis of Dendritic Branches with Peripheral Fullerene Subunits. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 85-91	3.2	20
164	Ordered Supramolecular Assembly of Porphyrin-Fullerene Composites on Nanostructured SnO2 Electrodes. <i>Advanced Materials</i> , 2006 , 18, 2549-2552	24	51
163	A photoelectrochemical device with a nanostructured SnO2 electrode modified with composite clusters of porphyrin-modified silica nanoparticle and fullerene. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 11399-405	3.4	50
162	Efficient photocurrent generation by SnO2 electrode modified electrophoretically with composite clusters of porphyrin-modified silica microparticle and fullerene. <i>Chemical Communications</i> , 2006 , 406-8	5.8	21
161	Localized mode of sound in a waveguide with Helmholtz resonators. <i>Journal of Fluid Mechanics</i> , 2006 , 546, 89	3.7	12
160	Structure and photoelectrochemical properties of phthalocyanine and perylene diimide composite clusters deposited electrophoretically on nanostructured SnO2 electrodes. <i>Langmuir</i> , 2006 , 22, 5497-5034		19
159	A convenient method for the synthesis of 2,5-difunctionalized phospholes bearing ester groups. <i>Journal of Organic Chemistry</i> , 2006 , 71, 5792-5	4.2	43

158	Phosphole-Containing Hybrid Calixpyrroles: New Multifunctional Macrocyclic Ligands for Platinum(II) Ions. <i>Organometallics</i> , 2006 , 25, 3105-3107	3.8	31
157	Synthesis and photophysical properties of electron-rich perylene diimide-fullerene dyad. <i>Organic Letters</i> , 2006 , 8, 4425-8	6.2	52
156	Synthesis of a phosphorus-containing hybrid porphyrin. <i>Organic Letters</i> , 2006 , 8, 5713-6	6.2	54
155	Phosphorus-containing hybrid calixpyrins: promising mixed-donor ligands for visible and efficient palladium catalysts. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11760-1	16.4	65
154	External electric field effects on absorption and fluorescence spectra of a fullerene derivative and its mixture with zinc-tetraphenylporphyrin doped in a PMMA film. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 20354-61	3.4	24
153	Comparison of electrode structures and photovoltaic properties of porphyrin-sensitized solar cells with TiO ₂ and Nb, Ge, Zr-added TiO ₂ composite electrodes. <i>Langmuir</i> , 2006 , 22, 11405-11	4	99
152	Coherent nuclear dynamics in ultrafast electron transfer in a porphyrin-ferrocene dyad. <i>Chemical Physics Letters</i> , 2006 , 429, 91-96	2.5	12
151	Structure and photoelectrochemical properties of nanostructured SnO ₂ electrodes deposited electrophoretically with the composite clusters of porphyrin-modified gold nanoparticle with a long spacer and fullerene. <i>Tetrahedron</i> , 2006 , 62, 1955-1966	2.4	22
150	Self-organization of porphyrins and fullerenes for molecular photoelectrochemical devices. <i>Photosynthesis Research</i> , 2006 , 87, 63-71	3.7	34
149	Photoinduced electron transfer in multilayer self-assembled structures of porphyrins and porphyrin fullerene dyads on ITO. <i>Journal of Materials Chemistry</i> , 2005 , 15, 4546		31
148	Photoinduced electron transfer in self-assembled monolayers of porphyrin-fullerene dyads on ITO. <i>Langmuir</i> , 2005 , 21, 6385-91	4	55
147	Morphological and spectroscopic properties of thin films of self-assembling amphiphilic porphyrins on a hydrophilic surface as revealed by scanning near-field optical microscopy. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 19839-44	3.4	10
146	Effects of fullerene substituents on structure and photoelectrochemical properties of fullerene nanoclusters electrophoretically deposited on nanostructured SnO ₂ electrodes. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 5700-6	3.4	22
145	Photoinduced electron transfer in Langmuir-Blodgett monolayers of porphyrin-fullerene dyads. <i>Langmuir</i> , 2005 , 21, 5383-90	4	64
144	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
143	Hydrogen bonding effects on the surface structure and photoelectrochemical properties of nanostructured SnO ₂ electrodes modified with porphyrin and fullerene composites. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 18465-74	3.4	32
142	Molecular Photoelectrochemical Devices: Supramolecular Incorporation of C ₆₀ Molecules into Tailored Holes on Porphyrin-Modified Gold Nanoclusters. <i>Advanced Materials</i> , 2005 , 17, 1727-1730	24	56
141	Host-guest interactions in the supramolecular incorporation of fullerenes into tailored holes on porphyrin-modified gold nanoparticles in molecular photovoltaics. <i>Chemistry - A European Journal</i> , 2005 , 11, 7265-75	4.8	63

140	Primary charge-recombination in an artificial photosynthetic reaction center. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 10017-22	11.5	77
139	Porphyrin and fullerene-based artificial photosynthetic materials for photovoltaics. <i>Thin Solid Films</i> , 2004 , 451-452, 580-588	2.2	32
138	Structure and photophysical properties of porphyrin-modified metal nanoclusters with different chain lengths. <i>Langmuir</i> , 2004 , 20, 73-81	4	90
137	Production of an ultra-long-lived charge-separated state in a zinc chlorin-C60 dyad by one-step photoinduced electron transfer. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 853-6	16.4	180
136	Porphyrin- and Fullerene-Based Molecular Photovoltaic Devices. <i>Advanced Functional Materials</i> , 2004 , 14, 525-536	15.6	419
135	Supramolecular Photovoltaic Cells Using Porphyrin Dendrimers and Fullerene. <i>Advanced Materials</i> , 2004 , 16, 975-979	24	139
134	Effects of metal ions on photoinduced electron transfer in zinc porphyrin-naphthalenediimide linked systems. <i>Chemistry - A European Journal</i> , 2004 , 10, 474-83	4.8	53
133	Long-lived charge-separated state generated in a ferrocene-meso,meso-linked porphyrin trimer-fullerene pentad with a high quantum yield. <i>Chemistry - A European Journal</i> , 2004 , 10, 3184-96	4.8	189
132	Vectorial electron relay at ITO electrodes modified with self-assembled monolayers of ferrocene-porphyrin-fullerene triads and porphyrin-fullerene Dyads for molecular photovoltaic devices. <i>Chemistry - A European Journal</i> , 2004 , 10, 5111-22	4.8	76
131	Porphyrin and fullerene-based photovoltaic devices. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004 , 166, 57-62	4.7	31
130	Supramolecular porphyrin/fullerene interactions studied by spectral methods. <i>Chemical Physics</i> , 2004 , 305, 277-284	2.3	23
129	Hydrogen bonding effect on photocurrent generation in porphyrin-fullerene photoelectrochemical devices. <i>Chemical Communications</i> , 2004 , 2066-7	5.8	19
128	Porphyrin-fullerene linked systems as artificial photosynthetic mimics. <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 1425-33	3.9	313
127	A Molecular Tetrad Allowing Efficient Energy Storage for 1.6 s at 163 K. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 541-548	2.8	161
126	A new, efficient method for direct alpha-alkenylation of beta-dicarbonyl compounds and phenols using alkenyltriarylbi-muthonium salts. <i>Journal of Organic Chemistry</i> , 2004 , 69, 5505-8	4.2	21
125	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
124	π-Complex formation in electron-transfer reactions of porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2004 , 08, 191-200	1.8	11
123	Substituent Effects of Porphyrin Monolayers on the Structure and Photoelectrochemical Properties of Self-Assembled Monolayers of Porphyrin on Indium(III) Oxide Electrode. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 5018-5025	3.4	45

122	Remarkable substituent effects on the oxidizing ability of triarylbi-muth dichlorides in alcohol oxidation. <i>Journal of Organic Chemistry</i> , 2004 , 69, 8676-80	4.2	15
121	Supramolecular Photovoltaic Cells Based on Composite Molecular Nanoclusters: Dendritic Porphyrin and C60, Porphyrin Dimer and C60, and Porphyrin-C60 Dyad. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 12865-12872	3.4	148
120	Giant multiporphyrin arrays as artificial light-harvesting antennas. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 6130-43	3.4	330
119	Diverse Structures and Remarkable Oxidizing Ability of Triarylbi-muthane Oxides. Comparative Study on the Structure and Reactivity of a Series of Triarylbi-nictogen Oxides. <i>Organometallics</i> , 2004 , 23, 5471-5480	3.8	32
118	Supramolecular assemblies for electron transfer. <i>Journal of Porphyrins and Phthalocyanines</i> , 2004 , 08, 976-983	1.8	17
117	Porphyrin and Fullerene-Based Artificial Photosynthesis. <i>Oleoscience</i> , 2004 , 4, 19-24,4	0.1	
116	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
115	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
114	Driving force dependence of intermolecular electron-transfer reactions of fullerenes. <i>Chemistry - A European Journal</i> , 2003 , 9, 1585-93	4.8	147
113	Acceleration and deceleration of photoinduced electron transfer rates by an electric field in porphyrin-fullerene dyads. <i>Chemical Physics Letters</i> , 2003 , 368, 230-235	2.5	28
112	Nanostructured artificial photosynthesis. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2003 , 4, 51-83	16.4	363
111	Photovoltaic properties of self-assembled monolayers of porphyrins and porphyrin-fullerene dyads on ITO and gold surfaces. <i>Journal of the American Chemical Society</i> , 2003 , 125, 9129-39	16.4	234
110	Ultrafast Photodynamics of Exciplex Formation and Photoinduced Electron Transfer in Porphyrin-Fullerene Dyads Linked at Close Proximity. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 8834-8844	2.8	147
109	Long-lived charge-separated state produced by photoinduced electron transfer in a zinc imidazoporphyrin-C(60) dyad. <i>Organic Letters</i> , 2003 , 5, 2719-21	6.2	88
108	Formation of a Supramolecular Porphyrin-Spacer-Acceptor Ternary Complex and Intracomplex Electron Transfer. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 379-385	2.8	21
107	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
106	Effects of hydrogen bonding on metal ion-promoted intramolecular electron transfer and photoinduced electron transfer in a ferrocene-quinone dyad with a rigid amide spacer. <i>Journal of the American Chemical Society</i> , 2003 , 125, 1007-13	16.4	77
105	Strong Inhibition of Singlet Oxygen Sensitization in Pyridylferrocene-Fluorinated Zinc Porphyrin Supramolecular Complexes. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 5515-5522	2.8	38

104	Novel Photocatalytic Function of Porphyrin-Modified Gold Nanoclusters in Comparison with the Reference Porphyrin Compound. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 11979-11986	3.4	39
103	Light Energy Conversion Using Mixed Molecular Nanoclusters. Porphyrin and C60 Cluster Films for Efficient Photocurrent Generation. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 12105-12112	3.4	136
102	Metal ion-promoted intramolecular electron transfer in a ferrocene-naphthoquinone linked dyad. Continuous change in driving force and reorganization energy with metal ion concentration. <i>Journal of the American Chemical Society</i> , 2003 , 125, 7014-21	16.4	56
101	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
100	Nanostructured assembly of porphyrin clusters for light energy conversion. <i>Journal of Materials Chemistry</i> , 2003 , 13, 2515		66
99	Metal and size effects on structures and photophysical properties of porphyrin-modified metal nanoclusters. <i>Journal of Materials Chemistry</i> , 2003 , 13, 2890		39
98	Jahn-Teller Effect in Circulenes. <i>Advances in Quantum Chemistry</i> , 2003 , 44, 239-255	1.4	
97	C70 vs. C60 in zinc porphyrin-fullerene dyads: prolonged charge separation and ultrafast energy transfer from the second excited singlet state of porphyrin. <i>Photochemical and Photobiological Sciences</i> , 2003 , 2, 251-8	4.2	44
96	Layer-by-layer assembly of porphyrin-fullerene dyads. <i>Journal of Porphyrins and Phthalocyanines</i> , 2003 , 07, 357-364	1.8	10
95	Thermal Intramolecular Electron Transfer in a Ferrocene-Naphthoquinone Linked Dyad Promoted by Metal Ions. <i>Angewandte Chemie</i> , 2002 , 114, 642-644	3.6	9
94	Comparison of Reorganization Energies for Intra- and Intermolecular Electron Transfer. <i>Angewandte Chemie</i> , 2002 , 114, 2450-2453	3.6	26
93	Thermal Intramolecular Electron Transfer in a Ferrocene-Naphthoquinone Linked Dyad Promoted by Metal Ions. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 620-622	16.4	45
92	Comparison of reorganization energies for intra- and intermolecular electron transfer. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 2344-7	16.4	176
91	Enhancement of Photocurrent Generation by ITO Electrodes Modified Chemically with Self-Assembled Monolayers of Porphyrin-Fullerene Dyads. <i>Advanced Materials</i> , 2002 , 14, 892	24	70
90	Optical properties of fullerene and non-fullerene peapods. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, 349-354	2.6	208
89	Formation of superoxide-metal ion complexes and the electron transfer catalysis. <i>Coordination Chemistry Reviews</i> , 2002 , 226, 71-80	23.2	43
88	Porphyrin-Fullerene dyad with a long linker: formation of charge transfer conformer in Langmuir-Blodgett film. <i>Chemical Physics Letters</i> , 2002 , 366, 245-252	2.5	26
87	Exciplex intermediates in photoinduced electron transfer of porphyrin-fullerene dyads. <i>Journal of the American Chemical Society</i> , 2002 , 124, 8067-77	16.4	135

86	A negative temperature dependence of the electron self-exchange rates of zinc porphyrin pi radical cations. <i>Journal of the American Chemical Society</i> , 2002 , 124, 10974-5	16.4	62
85	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
84	Direct Observation of Intramolecular Electron Transfer from Excess Electrons in a π -Conjugated Main Chain to a Porphyrin Side Chain in Polysilanes Having a Tetraphenylporphyrin Side Chain by the Pulse Radiolysis Technique. <i>Organometallics</i> , 2002 , 21, 5144-5147	3.8	8
83	Uphill Photooxidation of NADH Analogues by Hexyl Viologen Catalyzed by Zinc Porphyrin-Linked Fullerenes. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 1903-1908	2.8	56
82	Small Reorganization Energy of Intramolecular Electron Transfer in Fullerene-Based Dyads with Short Linkage. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 10991-10998	2.8	81
81	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
80	Hydrogen-bonding dynamics in photoinduced electron transfer in a ferrocene-quinone linked dyad with a rigid amide spacer. <i>Journal of the American Chemical Society</i> , 2002 , 124, 6794-5	16.4	46
79	Stepwise charge separation and charge recombination in ferrocene-meso,meso-linked porphyrin dimer-fullerene triad. <i>Journal of the American Chemical Society</i> , 2002 , 124, 5165-74	16.4	190
78	Significant enhancement of electron transfer reduction of NAD(+) analogues by complexation with scandium ion and the detection of the radical intermediate-scandium ion complex. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9181-8	16.4	15
77	Photocurrent generation using gold electrodes modified with self-assembled monolayers of a fullerene-porphyrin dyad. <i>Journal of Materials Chemistry</i> , 2002 , 12, 2034-2040		46
76	Electron Transfer Properties of Singlet Oxygen and Promoting Effects of Scandium Ion. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 1241-1247	2.8	23
75	Dehydrogenation vs Oxygenation in Photosensitized Oxidation of 9-Substituted 10-Methyl-9,10-dihydroacridine in the Presence of Scandium Ion. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 1465-1472	2.8	4
74	?????????????????. <i>Electrochemistry</i> , 2002 , 70, 274-278	1.2	
73	Spectroscopy and Photocurrent Generation in Nanostructured Thin Films of Porphyrin-Fullerene Dyad Clusters. <i>Chemistry Letters</i> , 2001 , 30, 784-785	1.7	37
72	Quantitative Evaluation of Lewis Acidity of Organotin Compounds and the Catalytic Reactivity in Electron Transfer. <i>Chemistry Letters</i> , 2001 , 30, 978-979	1.7	16
71	Charge-transfer emission of compact porphyrin-fullerene dyad analyzed by Marcus theory of electron-transfer. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2001 , 57, 2229-44	4.4	128
70	Modulating charge separation and charge recombination dynamics in porphyrin-fullerene linked dyads and triads: Marcus-normal versus inverted region. <i>Journal of the American Chemical Society</i> , 2001 , 123, 2607-17	16.4	493
69	An Extremely Small Reorganization Energy of Electron Transfer in Porphyrin-Fullerene Dyad. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 1750-1756	2.8	251

68	Molecule-Based Artificial Photosynthesis. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2001 , 41, 31-36		10
67	Photochemical and electrochemical properties of zinc chlorin-C60 dyad as compared to corresponding free-base chlorin-C60, free-base porphyrin-C60, and zinc porphyrin-C60 dyads. <i>Journal of the American Chemical Society</i> , 2001 , 123, 10676-83	16.4	181
66	Solvent Dependence of Charge Separation and Charge Recombination Rates in PorphyrinFullerene Dyad. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 325-332	2.8	194
65	Light-harvesting and photocurrent generation by gold electrodes modified with mixed self-assembled monolayers of boron-dipyrrin and ferrocene-porphyrin-fullerene triad. <i>Journal of the American Chemical Society</i> , 2001 , 123, 100-10	16.4	385
64	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
63	Photoactive three-dimensional monolayers: porphyrin-alkanethiolate-stabilized gold clusters. <i>Journal of the American Chemical Society</i> , 2001 , 123, 335-6	16.4	142
62	Catalytic effects of dioxygen on intramolecular electron transfer in radical ion pairs of zinc porphyrin-linked fullerenes. <i>Journal of the American Chemical Society</i> , 2001 , 123, 2571-5	16.4	130
61	Extremely slow long-range electron transfer reactions across zeolite-solution interface. <i>Journal of the American Chemical Society</i> , 2001 , 123, 11331-2	16.4	24
60	Charge separation in a novel artificial photosynthetic reaction center lives 380 ms. <i>Journal of the American Chemical Society</i> , 2001 , 123, 6617-28	16.4	457
59	Scandium ion-promoted photoinduced electron-transfer oxidation of fullerenes and derivatives by p-chloranil and p-benzoquinone. <i>Journal of the American Chemical Society</i> , 2001 , 123, 12458-65	16.4	48
58	Preparation and Photoelectrochemical Properties of Gold Electrodes Modified with [60]Fullerene-Linked Oligothiophenes. <i>Chemistry Letters</i> , 2000 , 29, 570-571	1.7	43
57	Photophysical and Photochemical Behavior of Triplet Excited State of C60in Unimer Micelle. <i>Chemistry Letters</i> , 2000 , 29, 426-427	1.7	2
56	Photosynthetic electron transfer using fullerenes as novel acceptors. <i>Carbon</i> , 2000 , 38, 1599-1605	10.4	66
55	Near infra-red emission of charge-transfer complexes of porphyrinFullerene films. <i>Chemical Physics Letters</i> , 2000 , 326, 344-350	2.5	82
54	Vectorial Multistep Electron Transfer at the Gold Electrodes Modified with Self-Assembled Monolayers of FerrocenePorphyrinFullerene Triads. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 2099-2108	3.4	184
53	Effects of Lowering Symmetry on the ESR Spectra of Radical Anions of Fullerene Derivatives and the Reduction Potentials. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 10688-10694	2.8	27
52	Remarkable enhancement of photocurrent generation byITO electrodes modified with a self-assembled monolayer ofporphyrin. <i>Chemical Communications</i> , 2000 , 1921-1922	5.8	42
51	Photoinduced energy transfer in mixed self-assembled monolayers of pyrene and porphyrin. <i>Chemical Communications</i> , 2000 , 661-662	5.8	18

50	Chain Length Effect on the Structure and Photoelectrochemical Properties of Self-Assembled Monolayers of Porphyrins on Gold Electrodes. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 1253-1260	3.4	172
49	Large Acceleration Effect of Photoinduced Electron Transfer in Porphyrin-Quinone Dyads with a Rigid Spacer Involving a Dihalosubstituted Three-Membered Ring. <i>Journal of the American Chemical Society</i> , 2000 , 122, 2279-2288	16.4	47
48	Sequential Energy and Electron Transfer in an Artificial Reaction Center: Formation of a Long-Lived Charge-Separated State. <i>Journal of the American Chemical Society</i> , 2000 , 122, 6535-6551	16.4	314
47	Fullerenes as Novel Acceptors in Photosynthetic Electron Transfer. <i>European Journal of Organic Chemistry</i> , 1999 , 1999, 2445-2457	3.2	370
46	Synthesis and photoelectrochemical properties of a self-assembled monolayer of a ferrocene-porphyrin-fullerene triad on a gold electrode. <i>Chemical Communications</i> , 1999 , 1165-1166	5.8	66
45	Synthesis and photophysical properties of a diporphyrin-fullerene triad. <i>Chemical Communications</i> , 1999 , 625-626	5.8	42
44	Photoinduced electron transfer at a gold electrode modified with a self-assembled monolayer of fullerene. <i>Chemical Communications</i> , 1999 , 557-558	5.8	35
43	An Investigation of Photocurrent Generation by Gold Electrodes Modified with Self-Assembled Monolayers of C60. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 7233-7237	3.4	85
42	Acceleration of Photoinduced Electron Transfer in Porphyrin-Linked C70. <i>Chemistry Letters</i> , 1999 , 28, 227-228	1.7	30
41	Long-Lived Charge Separation with High Quantum Yield in a Ferrocene-Porphyrin-Fullerene Triad. <i>Chemistry Letters</i> , 1999 , 28, 721-722	1.7	72
40	Synthesis and Photoinduced Electron Transfer of Pyromellitimide-Linked Porphyrin in Constrained Hydrophobic Environment of Unimer Micelle. <i>Chemistry Letters</i> , 1999 , 28, 191-192	1.7	
39	Acceleration of Photoinduced Charge Separation in Porphyrin-C60 Dyad with an Acetylene Spacer. <i>Chemistry Letters</i> , 1999 , 28, 895-896	1.7	36
38	Organic Photoelectrochemical Cell Mimicking Photoinduced Multistep Electron Transfer in Photosynthesis: Interfacial Structure and Photoelectrochemical Properties of Self-Assembled Monolayers of Porphyrin-Linked Fullerenes on Gold Electrodes. <i>Bulletin of the Chemical Society of Japan</i> , 1999 , 72, 485-502	5.1	85
37	Self-Assembly of Zincporphyrin Dimer and Pyromellitimide Using Two Coordination Bonds and Photoinduced Intramolecular Electron Transfer. <i>Chemistry Letters</i> , 1999 , 28, 235-236	1.7	18
36	Chain Length Effect on Photocurrent from Polymethylene-Linked Porphyrins in Self-Assembled Monolayers. <i>Langmuir</i> , 1998 , 14, 5335-5338	4	91
35	Synthesis of Copolymers Containing C60, Cyclododecyl, and Sulfonate Groups: Photophysical Behavior of C60 in Highly Constrained Microenvironments. <i>Chemistry Letters</i> , 1998 , 27, 381-382	1.7	1
34	Synthesis and Photophysical Behavior of Porphyrins with Two C60 Units. <i>Chemistry Letters</i> , 1998 , 27, 605-606	1.7	27
33	Synthesis and Photophysical Properties of Porphyrin-Tetracyanoanthraquinodimethane-Porphyrin Triad: Photon-Dependent Molecular Switching. <i>Chemistry Letters</i> , 1998 , 27, 721-722	1.7	25

32	Control of electron transfer and its utilization. <i>Pure and Applied Chemistry</i> , 1997 , 69, 1951-1956	2.1	57
31	Identification of the nucleotides in the A-rich bulge of the Tetrahymena ribozyme responsible for an efficient self-splicing reaction. <i>Journal of Biochemistry</i> , 1997 , 122, 878-82	3.1	4
30	Structure and photoelectrochemical properties of porphyrin-linked fullerenes on a gold surface using a self-assembled monolayer technique 1997 ,		2
29	Resonance Raman and FTIR Spectra of Isotope-Labeled Reduced 1,4-Benzoquinone and Its Protonated Forms in Solutions. <i>Journal of Physical Chemistry A</i> , 1997 , 101, 622-631	2.8	60
28	Model systems for observing photoredox reactions of carotenoids. <i>Pure and Applied Chemistry</i> , 1997 , 69, 2111-2116	2.1	19
27	A Sequential Photoinduced Electron Relay Accelerated by Fullerene in a Porphyrin-Pyromellitimide-C60 Triad. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2626-2629		106
26	Donor-Linked Fullerenes: Photoinduced electron transfer and its potential application. <i>Advanced Materials</i> , 1997 , 9, 537-546	24	574
25	Fulleren-beschleunigte lichtinduzierte Elektronenübertragungen in einer Porphyrin-Pyromellitsäureimid-C60-Triade. <i>Angewandte Chemie</i> , 1997 , 109, 2740-2742	3.6	11
24	Supramolecular Complexation of Porphyrin and Quinone with Two Coordination Bonds and Intramolecular Electron Transfer. <i>Journal of Porphyrins and Phthalocyanines</i> , 1997 , 01, 55-66	1.8	21
23	Linkage and Solvent Dependence of Photoinduced Electron Transfer in Zincporphyrin-C60Dyads. <i>Journal of the American Chemical Society</i> , 1996 , 118, 11771-11782	16.4	341
22	Synthesis of Closely Spaced Porphyrin-Fullerene. <i>Chemistry Letters</i> , 1996 , 25, 199-200	1.7	36
21	Synthesis and Self-Assembly of Porphyrin-linked Fullerene on Gold Surface Using S-Au Linkage. <i>Chemistry Letters</i> , 1996 , 25, 907-908	1.7	64
20	Photoinduced Electron Transfer in a Carotenobuckminsterfullerene Dyad. <i>Photochemistry and Photobiology</i> , 1996 , 63, 353-353	3.6	
19	Ultraviolet resonance Raman spectra and ab initio vibrational analyses of 1,4-benzoquinone: reassignments of the ν_1 and ν_2 bands. <i>Chemical Physics Letters</i> , 1996 , 262, 643-648	2.5	19
18	Porphyrinquinone supramolecule with two coordination bonds. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 1133-1134		16
17	Synthesis and Photophysical Property of Porphyrin-Linked Fullerene. <i>Chemistry Letters</i> , 1995 , 24, 265-266.7		92
16	Selection of novel forms of a functional domain within the Tetrahymena ribozyme. <i>Nucleic Acids Research</i> , 1994 , 22, 2003-9	20.1	9
15	Preparation of Molecular Assemblies of Porphyrin-Linked Alkanethiol on Gold Surface and Their Redox Properties. <i>Chemistry Letters</i> , 1994 , 23, 1447-1450	1.7	35

14	Synthesis and Properties of Conjugated Porphyrins with a Diacetylene Spacer. <i>Bulletin of the Chemical Society of Japan</i> , 1994 , 67, 2500-2506	5.1	19
13	Porphyrin-Quinone Compounds with a Spacer of Diacetylene Unit. <i>Chemistry Letters</i> , 1993 , 22, 1215-1218.	7	4
12	Photoreactions of halogeno-1,4-naphthoquinones with electron-rich alkenes. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1990 , 257		7
11	[2 + 4] Photocyclization between quinones and allenes via photoinduced electron transfer. <i>Journal of Organic Chemistry</i> , 1989 , 54, 2692-2702	4.2	15
10	Strongly Deformed TCNQ Derivatives: Syntheses and Properties of 7,12-Bis(dicyanomethylene)-7,12-dihydrobenz[a]anthracene (BDCNBA) Derivatives. <i>Bulletin of the Chemical Society of Japan</i> , 1989 , 62, 1626-1634	5.1	17
9	Novel Photocyclization between Quinone and 1,1-Diphenylcyclopropane. <i>Chemistry Letters</i> , 1989 , 18, 2117-2118	1.7	2
8	Allylation of Quinones via Photoinduced Electron-Transfer Reactions from Allylstannanes. <i>Bulletin of the Chemical Society of Japan</i> , 1989 , 62, 816-825	5.1	12
7	A Novel [2+4] Photocyclization Reaction between Quinone and Allene. <i>Chemistry Letters</i> , 1988 , 17, 725-726		0
6	Photoallylation of Quinones with Allylstannane. <i>Chemistry Letters</i> , 1986 , 15, 1719-1722	1.7	12
5	Photochemical Reaction of 2,3-Dichloro-1,4-naphthoquinone with Enol Silyl Ethers. <i>Bulletin of the Chemical Society of Japan</i> , 1986 , 59, 1777-1780	5.1	9
4	Biomimetic Electron-Transfer Chemistry of Porphyrins and Metalloporphyrins		927-975 30
3	Applications of Supramolecular Ensembles with Fullerenes and CNTs: Solar Cells and Transistors		349-374 3
2	Truxenone Triimide: Two-Dimensional Molecular Arrangements of Triangular Molecules for Air Stable n-Type Semiconductors. <i>Advanced Electronic Materials</i> , 2101390	6.4	0
1	Emergence of Copper(I/II) Complexes as Third-Generation Redox Shuttles for Dye-Sensitized Solar Cells. <i>ACS Energy Letters</i> , 1926-1938	20.1	3