

# Hiroshi Imahori

## List of Publications by Citations

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#	Paper	IF	Citations
427	Large pi-aromatic molecules as potential sensitizers for highly efficient dye-sensitized solar cells. <i>Accounts of Chemical Research</i> , <b>2009</b> , 42, 1809-18	24.3	876
426	Donor-Linked Fullerenes: Photoinduced electron transfer and its potential application. <i>Advanced Materials</i> , <b>1997</b> , 9, 537-546	24	574
425	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> , <b>2001</b> , 123, 2607-17	16.4	493
424	Porphyrins as excellent dyes for dye-sensitized solar cells: recent developments and insights. <i>Dalton Transactions</i> , <b>2015</b> , 44, 448-63	4.3	472
423	Charge separation in a novel artificial photosynthetic reaction center lives 380 ms. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 6617-28	16.4	457
422	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
421	Porphyrin- and Fullerene-Based Molecular Photovoltaic Devices. <i>Advanced Functional Materials</i> , <b>2004</b> , 14, 525-536	15.6	419
420	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> , <b>2001</b> , 123, 100-10	16.4	385
419	Fullerenes as Novel Acceptors in Photosynthetic Electron Transfer. <i>European Journal of Organic Chemistry</i> , <b>1999</b> , 1999, 2445-2457	3.2	370
418	Nanostructured artificial photosynthesis. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2003</b> , 4, 51-83	16.4	363
417	Linkage and Solvent Dependence of Photoinduced Electron Transfer in Zincporphyrin-C60Dyads. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 11771-11782	16.4	341
416	Giant multiporphyrin arrays as artificial light-harvesting antennas. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 6130-43	3.4	330
415	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> , <b>2000</b> , 122, 6535-6551	16.4	314
414	Porphyrin-fullerene linked systems as artificial photosynthetic mimics. <i>Organic and Biomolecular Chemistry</i> , <b>2004</b> , 2, 1425-33	3.9	313
413	An Extremely Small Reorganization Energy of Electron Transfer in PorphyrinFullerene Dyad. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 1750-1756	2.8	251
412	Design and synthesis of phosphole-based pi systems for novel organic materials. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 1258-71	3.9	246
411	Electron-donating perylene tetracarboxylic acids for dye-sensitized solar cells. <i>Organic Letters</i> , <b>2007</b> , 9, 1971-4	6.2	237

410	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> , <b>2003</b> , 125, 9129-39	16.4	234
409	Optical properties of fullerene and non-fullerene peapods. <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 74, 349-354	2.6	208
408	Solvent Dependence of Charge Separation and Charge Recombination Rates in Porphyrin Fullerene Dyad. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 325-332	2.8	194
407	Photoinduced charge carrier dynamics of Zn-porphyrin-TiO <sub>2</sub> electrodes: the key role of charge recombination for solar cell performance. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 3679-90	2.8	193
406	Stepwise charge separation and charge recombination in ferrocene-meso,meso-linked porphyrin dimer-fullerene triad. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 5165-74	16.4	190
405	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> , <b>2004</b> , 10, 3184-96	4.8	189
404	Vectorial Multistep Electron Transfer at the Gold Electrodes Modified with Self-Assembled Monolayers of Ferrocene Porphyrin Fullerene Triads. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 2099-2108	3.4	184
403	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> , <b>2001</b> , 123, 10676-83	16.4	181
402	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> , <b>2004</b> , 43, 853-6	16.4	180
401	Comparison of reorganization energies for intra- and intermolecular electron transfer. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 2344-7	16.4	176
400	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> , <b>2000</b> , 104, 1253-1260	3.4	172
399	Carbon nanotube-modified electrodes for solar energy conversion. <i>Energy and Environmental Science</i> , <b>2008</b> , 1, 120	35.4	170
398	Self-assembling porphyrins and phthalocyanines for photoinduced charge separation and charge transport. <i>Chemical Communications</i> , <b>2012</b> , 48, 4032-45	5.8	161
397	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> , <b>2009</b> , 131, 3198-200	16.4	161
396	A Molecular Tetrad Allowing Efficient Energy Storage for 1.6 s at 163 K. <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 541-548	2.8	161
395	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
394	Quinoxaline-Fused Porphyrins for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 4396-4405	3.8	157
393	Novel unsymmetrically pi-elongated porphyrin for dye-sensitized TiO <sub>2</sub> cells. <i>Chemical Communications</i> , <b>2007</b> , 2069-71	5.8	155

- 392 Large photocurrent generation of gold electrodes modified with [60]fullerene-linked oligothiophenes bearing a tripodal rigid anchor. *Journal of the American Chemical Society*, **2002**, 124, 532-3 16.4 150
- 391 Photodynamic and photothermal effects of semiconducting and metallic-enriched single-walled carbon nanotubes. *Journal of the American Chemical Society*, **2012**, 134, 17862-5 16.4 148
- 390 Supramolecular Photovoltaic Cells Based on Composite Molecular Nanoclusters: Dendritic Porphyrin and C60, Porphyrin Dimer and C60, and Porphyrin-C60 Dyad. *Journal of Physical Chemistry B*, **2004**, 108, 12865-12872 3.4 148
- 389 Driving force dependence of intermolecular electron-transfer reactions of fullerenes. *Chemistry - A European Journal*, **2003**, 9, 1585-93 4.8 147
- 388 Ultrafast Photodynamics of Exciplex Formation and Photoinduced Electron Transfer in Porphyrin-Fullerene Dyads Linked at Close Proximity. *Journal of Physical Chemistry A*, **2003**, 107, 8834-8844 2.8 147
- 387 Creation of Fullerene-Based Artificial Photosynthetic Systems. *Bulletin of the Chemical Society of Japan*, **2007**, 80, 621-636 5.1 144
- 386 Photoactive three-dimensional monolayers: porphyrin-alkanethiolate-stabilized gold clusters. *Journal of the American Chemical Society*, **2001**, 123, 335-6 16.4 142
- 385 Supramolecular Photovoltaic Cells Using Porphyrin Dendrimers and Fullerene. *Advanced Materials*, **2004**, 16, 975-979 24 139
- 384 Effects of meso-Diarylamino Group of Porphyrins as Sensitizers in Dye-Sensitized Solar Cells on Optical, Electrochemical, and Photovoltaic Properties. *Journal of Physical Chemistry C*, **2010**, 114, 10656-10665 3.8 138
- 383 Light Energy Conversion Using Mixed Molecular Nanoclusters. Porphyrin and C60 Cluster Films for Efficient Photocurrent Generation. *Journal of Physical Chemistry B*, **2003**, 107, 12105-12112 3.4 136
- 382 Exciplex intermediates in photoinduced electron transfer of porphyrin-fullerene dyads. *Journal of the American Chemical Society*, **2002**, 124, 8067-77 16.4 135
- 381 Effects of Porphyrin Substituents and Adsorption Conditions on Photovoltaic Properties of Porphyrin-Sensitized TiO<sub>2</sub> Cells. *Journal of Physical Chemistry C*, **2009**, 113, 18406-18413 3.8 133
- 380 Naphthyl-Fused Prolonged Porphyrins for Dye-Sensitized TiO<sub>2</sub> Cells. *Journal of Physical Chemistry C*, **2008**, 112, 15576-15585 3.8 132
- 379 Catalytic effects of dioxygen on intramolecular electron transfer in radical ion pairs of zinc porphyrin-linked fullerenes. *Journal of the American Chemical Society*, **2001**, 123, 2571-5 16.4 130
- 378 Charge-transfer emission of compact porphyrin-fullerene dyad analyzed by Marcus theory of electron-transfer. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2001**, 57, 2229-2244 4.4 128
- 377 Role of Adsorption Structures of Zn-Porphyrin on TiO<sub>2</sub> in Dye-Sensitized Solar Cells Studied by Sum Frequency Generation Vibrational Spectroscopy and Ultrafast Spectroscopy. *Journal of Physical Chemistry C*, **2013**, 117, 6066-6080 3.8 126
- 376 Renaissance of Fused Porphyrins: Substituted Methylene-Bridged Thiophene-Fused Strategy for High-Performance Dye-Sensitized Solar Cells. *Journal of the American Chemical Society*, **2019**, 141, 9910-9919 16.4 125
- 375 Effects of 5-Membered Heteroaromatic Spacers on Structures of Porphyrin Films and Photovoltaic Properties of Porphyrin-Sensitized TiO<sub>2</sub> Cells. *Journal of Physical Chemistry C*, **2007**, 111, 3528-3537 3.8 125

374	DNA nanotechnology-based composite-type gold nanoparticle-immunostimulatory DNA hydrogel for tumor photothermal immunotherapy. <i>Biomaterials</i> , <b>2017</b> , 146, 136-145	15.6	123
373	Highly asymmetrical porphyrins with enhanced push-pull character for dye-sensitized solar cells. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 17075-81	4.8	122
372	Creation of pure nanodrugs and their anticancer properties. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 10315-8	16.4	121
371	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> , <b>2011</b> , 133, 7684-7	16.4	120
370	Segregated donor-acceptor columns in liquid crystals that exhibit highly efficient ambipolar charge transport. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 10736-9	16.4	116
369	Fusion of phosphole and 1,1'-biacenaphthene: phosphorus(V)-containing extended $\pi$ systems with high electron affinity and electron mobility. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 8016-20	16.4	106
368	Synthesis and Photophysical and Photovoltaic Properties of Porphyrin $\pi$ uran and $\pi$ hiophene Alternating Copolymers. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 10798-10806	3.8	106
367	A Sequential Photoinduced Electron Relay Accelerated by Fullerene in a Porphyrin-Pyromellitimide-C60 Triad. <i>Angewandte Chemie International Edition in English</i> , <b>1997</b> , 36, 2626-2629		106
366	Synthesis of sterically hindered phthalocyanines and their applications to dye-sensitized solar cells. <i>Dalton Transactions</i> , <b>2008</b> , 5476-83	4.3	101
365	Phosphole-containing calixpyrroles, calixphyrins, and porphyrins: synthesis and coordination chemistry. <i>Accounts of Chemical Research</i> , <b>2009</b> , 42, 1193-204	24.3	100
364	Comparison of electrode structures and photovoltaic properties of porphyrin-sensitized solar cells with TiO <sub>2</sub> and Nb, Ge, Zr-added TiO <sub>2</sub> composite electrodes. <i>Langmuir</i> , <b>2006</b> , 22, 11405-11	4	99
363	Effects of $\pi$ 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> , <b>2010</b> , 114, 11293-11304	3.8	97
362	Donor $\pi$ acceptor Nanoarchitecture on Semiconducting Electrodes for Solar Energy Conversion. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 9029-9039	3.8	96
361	Photofunctional Hybrid Nanocarbon Materials. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 3195-3209	3.8	94
360	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> , <b>2011</b> , 115, 14415-14424	3.8	92
359	Synthesis and Photophysical Property of Porphyrin-Linked Fullerene. <i>Chemistry Letters</i> , <b>1995</b> , 24, 265-266	7	92
358	Tropolone as a High-Performance Robust Anchoring Group for Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 9052-6	16.4	91
357	Chain Length Effect on Photocurrent from Polymethylene-Linked Porphyrins in Self-Assembled Monolayers. <i>Langmuir</i> , <b>1998</b> , 14, 5335-5338	4	91

356	Structure and photophysical properties of porphyrin-modified metal nanoclusters with different chain lengths. <i>Langmuir</i> , <b>2004</b> , 20, 73-81	4	90
355	Long-lived charge-separated state produced by photoinduced electron transfer in a zinc imidazoporphyrin-C(60) dyad. <i>Organic Letters</i> , <b>2003</b> , 5, 2719-21	6.2	88
354	An Investigation of Photocurrent Generation by Gold Electrodes Modified with Self-Assembled Monolayers of C60. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 7233-7237	3.4	85
353	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> , <b>1999</b> , 72, 485-502	5.1	85
352	Visible light-driven water oxidation using a covalently-linked molecular catalyst-sensitizer dyad assembled on a TiO electrode. <i>Chemical Science</i> , <b>2016</b> , 7, 1430-1439	9.4	84
351	Photothermal ablation of tumor cells using a single-walled carbon nanotube-peptide composite. <i>Journal of Controlled Release</i> , <b>2014</b> , 173, 59-66	11.7	82
350	Near infra-red emission of charge-transfer complexes of porphyrinfullerene films. <i>Chemical Physics Letters</i> , <b>2000</b> , 326, 344-350	2.5	82
349	PHOTOINDUCED ELECTRON TRANSFER IN A CAROTENOBUCKMINSTERFULLERENE DYAD. <i>Photochemistry and Photobiology</i> , <b>2008</b> , 62, 1009-1014	3.6	81
348	Small Reorganization Energy of Intramolecular Electron Transfer in Fullerene-Based Dyads with Short Linkage. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 10991-10998	2.8	81
347	Remarkable Dependence of the Final Charge Separation Efficiency on the Donor-Acceptor Interaction in Photoinduced Electron Transfer. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 629-334	16.4	79
346	Ultrafast photoinduced electron transfer in directly linked porphyrin-ferrocene dyads. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 5136-43	2.8	77
345	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> , <b>2003</b> , 125, 1007-13	16.4	77
344	Primary charge-recombination in an artificial photosynthetic reaction center. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 10017-22	11.5	77
343	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> , <b>2004</b> , 10, 5111-22	4.8	76
342	Isomer Effects of Fullerene Derivatives on Organic Photovoltaics and Perovskite Solar Cells. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 2046-2055	24.3	72
341	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> , <b>2008</b> , 130, 4588-9	16.4	72
340	Long-Lived Charge Separation with High Quantum Yield in a Ferrocene-Porphyrin-Fullerene Triad. <i>Chemistry Letters</i> , <b>1999</b> , 28, 721-722	1.7	72
339	Syntheses, structures, and coordination chemistry of phosphole-containing hybrid calixphyrins: promising macrocyclic P,N <sub>2</sub> X-mixed donor ligands for designing reactive transition-metal complexes. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 990-1002	16.4	71

338	Comparative study on the structural, optical, and electrochemical properties of bithiophene-fused benzo[c]phospholes. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 8102-15	4.8	71
337	Electrophoretic deposition of donor-acceptor nanostructures on electrodes for molecular photovoltaics. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 31-41		70
336	Enhancement of Photocurrent Generation by ITO Electrodes Modified Chemically with Self-Assembled Monolayers of Porphyrin-Fullerene Dyads. <i>Advanced Materials</i> , <b>2002</b> , 14, 892	24	70
335	Effects of porphyrin substituents on film structure and photoelectrochemical properties of porphyrin/fullerene composite clusters electrophoretically deposited on nanostructured SnO <sub>2</sub> electrodes. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 10182-93	4.8	69
334	Photoconductivity in Metal-Organic Framework (MOF) Thin Films. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 9590-9595	16.4	68
333	Thermosensitive Ion Channel Activation in Single Neuronal Cells by Using Surface-Engineered Plasmonic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 11725-9	16.4	67
332	Nanostructured assembly of porphyrin clusters for light energy conversion. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 2515		66
331	Photosynthetic electron transfer using fullerenes as novel acceptors. <i>Carbon</i> , <b>2000</b> , 38, 1599-1605	10.4	66
330	Synthesis and photoelectrochemical properties of a self-assembled monolayer of a ferrocene-porphyrin-fullerene triad on a gold electrode. <i>Chemical Communications</i> , <b>1999</b> , 1165-1166	5.8	66
329	Effects of dihydronaphthyl-based [60]fullerene bisadduct regioisomers on polymer solar cell performance. <i>Chemical Communications</i> , <b>2012</b> , 48, 8550-2	5.8	65
328	Synthesis, structures, and properties of meso-phosphorylporphyrins: self-organization through P-oxo-zinc coordination. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 891-901	4.8	65
327	Electrophoretic Deposition of Single-Walled Carbon Nanotubes Covalently Modified with Bulky Porphyrins on Nanostructured SnO <sub>2</sub> Electrodes for Photoelectrochemical Devices. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 11484-11493	3.8	65
326	Phosphorus-containing hybrid calixphyrins: promising mixed-donor ligands for visible and efficient palladium catalysts. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 11760-1	16.4	65
325	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> , <b>2016</b> , 4, 12739-12747	13	64
324	One-Dimensional Nanostructured Semiconducting Materials for Organic Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 1020-1025	6.4	64
323	Tunable, strongly-donating perylene photosensitizers for dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 7166		64
322	Photoinduced electron transfer in Langmuir-Blodgett monolayers of porphyrin-fullerene dyads. <i>Langmuir</i> , <b>2005</b> , 21, 5383-90	4	64
321	Synthesis and Self-Assembly of Porphyrin-linked Fullerene on Gold Surface Using S-Au Linkage. <i>Chemistry Letters</i> , <b>1996</b> , 25, 907-908	1.7	64

- 320 Nature-Inspired Tree-Like TiO<sub>2</sub> 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 Host-guest interactions in the supramolecular incorporation of fullerenes into tailored holes on porphyrin-modified gold nanoparticles in molecular photovoltaics. *Chemistry - A European Journal*, **2005**, 11, 7265-75 4.8 63
- 318 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
- 317 A negative temperature dependence of the electron self-exchange rates of zinc porphyrin pi radical cations. *Journal of the American Chemical Society*, **2002**, 124, 10974-5 16.4 62
- 316 Fused Five-membered Porphyrin for Dye-sensitized Solar Cells. *Chemistry Letters*, **2008**, 37, 846-847 1.7 61
- 315 Retention of Intrinsic Electronic Properties of Soluble Single-Walled Carbon Nanotubes after a Significant Degree of Sidewall Functionalization by the Bingel Reaction. *Journal of Physical Chemistry C*, **2007**, 111, 9734-9741 3.8 61
- 314 Triarylamine-substituted imidazole- and quinoxaline-fused push-pull porphyrins for dye-sensitized solar cells. *ChemSusChem*, **2013**, 6, 508-17 8.3 60
- 313 Resonance Raman and FTIR Spectra of Isotope-Labeled Reduced 1,4-Benzoquinone and Its Protonated Forms in Solutions. *Journal of Physical Chemistry A*, **1997**, 101, 622-631 2.8 60
- 312 Substituent effects of porphyrins on structures and photophysical properties of amphiphilic porphyrin aggregates. *Journal of Physical Chemistry B*, **2008**, 112, 16517-24 3.4 60
- 311 An efficient electron transport material of tin oxide for planar structure perovskite solar cells. *Journal of Power Sources*, **2016**, 307, 891-897 8.9 59
- 310 Acenaphtho[1, 2-c]phosphole P-oxide: a phosphole-naphthalene pi-conjugated system with high electron mobility. *Chemistry - A European Journal*, **2009**, 15, 10000-4 4.8 59
- 309 Nickel(II) and copper(II) complexes of 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
- 308 Control of electron transfer and its utilization. *Pure and Applied Chemistry*, **1997**, 69, 1951-1956 2.1 57
- 307 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
- 306 Photophysics and photoelectrochemical properties of nanohybrids consisting of fullerene-encapsulated single-walled carbon nanotubes and poly(3-hexylthiophene). *Energy and Environmental Science*, **2011**, 4, 741-750 35.4 56
- 305 Metal ion-promoted intramolecular electron transfer in a ferrocene-naphthoquinone linked dyad. Continuous change in driving force and reorganization energy with metal ion concentration. *Journal of the American Chemical Society*, **2003**, 125, 7014-21 16.4 56
- 304 Molecular Photoelectrochemical Devices: Supramolecular Incorporation of C<sub>60</sub> Molecules into Tailored Holes on Porphyrin-Modified Gold Nanoclusters. *Advanced Materials*, **2005**, 17, 1727-1730 24 56
- 303 Uphill Photooxidation of NADH Analogues by Hexyl Viologen Catalyzed by Zinc Porphyrin-Linked Fullerenes. *Journal of Physical Chemistry A*, **2002**, 106, 1903-1908 2.8 56



302	Photoinduced electron transfer in self-assembled monolayers of porphyrin-fullerene dyads on ITO. <i>Langmuir</i> , <b>2005</b> , 21, 6385-91	4	55
301	Fabrication of dye-sensitized solar cells using natural dye for food pigment: Monascus yellow. <i>Energy and Environmental Science</i> , <b>2010</b> , 3, 905	35.4	54
300	Synthesis of a phosphorus-containing hybrid porphyrin. <i>Organic Letters</i> , <b>2006</b> , 8, 5713-6	6.2	54
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34	Modulation of Frontier Molecular Orbitals on Dithieno[3,4-b:3',4'-d]phosphole Derivatives by Donor-Acceptor Interaction. <i>Chemistry Letters</i> , <b>2020</b> , 49, 272-275	1.7	2
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31	Structure and photoelectrochemical properties of porphyrin-linked fullerenes on a gold surface using a self-assembled monolayer technique <b>1997</b> ,		2
30	Photophysical and Photochemical Behavior of Triplet Excited State of C60 in Unimer Micelle. <i>Chemistry Letters</i> , <b>2000</b> , 29, 426-427	1.7	2
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