

Dirk M Guldi

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525
papers

27,811
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85
h-index

145
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564
ext. papers

30,205
ext. citations

11.3
avg, IF

7.33
L-index

#	Paper	IF	Citations
525	Excited-state properties of C(60) fullerene derivatives. <i>Accounts of Chemical Research</i> , 2000 , 33, 695-703	24.3	953
524	Fullerene-porphyrin architectures; photosynthetic antenna and reaction center models. <i>Chemical Society Reviews</i> , 2002 , 31, 22-36	58.5	870
523	Covalent and noncovalent phthalocyanine-carbon nanostructure systems: synthesis, photoinduced electron transfer, and application to molecular photovoltaics. <i>Chemical Reviews</i> , 2010 , 110, 6768-816	68.1	685
522	Fullerenes: three dimensional electron acceptor materials. <i>Chemical Communications</i> , 2000 , 321-327	5.8	513
521	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
520	Materials for organic solar cells: the C60/pi-conjugated oligomer approach. <i>Chemical Society Reviews</i> , 2005 , 34, 31-47	58.5	487
519	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
518	Carbon nanotubes--electronic/electrochemical properties and application for nanoelectronics and photonics. <i>Chemical Society Reviews</i> , 2009 , 38, 165-84	58.5	456
517	Carbon nanotubes in electron donor-acceptor nanocomposites. <i>Accounts of Chemical Research</i> , 2005 , 38, 871-8	24.3	429
516	Fullerene for organic electronics. <i>Chemical Society Reviews</i> , 2009 , 38, 1587-97	58.5	389
515	Multifunctional molecular carbon materials--from fullerenes to carbon nanotubes. <i>Chemical Society Reviews</i> , 2006 , 35, 471-87	58.5	367
514	Electronic communication in tetrathiafulvalene (TTF)/C60 systems: toward molecular solar energy conversion materials?. <i>Accounts of Chemical Research</i> , 2007 , 40, 1015-24	24.3	326
513	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
512	Interactions in single wall carbon nanotubes/pyrene/porphyrin nanohybrids. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11222-31	16.4	300
511	Singlet fission in pentacene dimers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5325-30	11.5	292
510	Intramolecular Electron Transfer in Fullerene/Ferrocene Based Donor-Bridge-Acceptor Dyads. <i>Journal of the American Chemical Society</i> , 1997 , 119, 974-980	16.4	290
509	Chemical functionalization and characterization of graphene-based materials. <i>Chemical Society Reviews</i> , 2017 , 46, 4464-4500	58.5	285

508	Carbon nanodots: toward a comprehensive understanding of their photoluminescence. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17308-16	16.4	282
507	Facile decoration of functionalized single-wall carbon nanotubes with phthalocyanines via "click chemistry". <i>Journal of the American Chemical Society</i> , 2008 , 130, 11503-9	16.4	269
506	Dendrimer-functionalized single-wall carbon nanotubes: synthesis, characterization, and photoinduced electron transfer. <i>Journal of the American Chemical Society</i> , 2006 , 128, 12544-52	16.4	241
505	Integrating single-wall carbon nanotubes into donor-acceptor nanohybrids. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 5526-30	16.4	233
504	Single-wall carbon nanotubes as integrative building blocks for solar-energy conversion. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2015-8	16.4	219
503	CNT-CdTe versatile donor-acceptor nanohybrids. <i>Journal of the American Chemical Society</i> , 2006 , 128, 2315-23	16.4	212
502	Manipulating single-wall carbon nanotubes by chemical doping and charge transfer with perylene dyes. <i>Nature Chemistry</i> , 2009 , 1, 243-9	17.6	201
501	Subphthalocyanines: tuneable molecular scaffolds for intramolecular electron and energy transfer processes. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6301-13	16.4	201
500	Novel Photoactive Single-Walled Carbon NanotubePorphyrin Polymer Wraps: Efficient and Long-Lived Intracomplex Charge Separation. <i>Advanced Materials</i> , 2005 , 17, 871-875	24	196
499	Hydrogen-bonding motifs in fullerene chemistry. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5374-82	16.4	189
498	Comparison of reorganization energies for intra- and intermolecular electron transfer. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 2344-7	16.4	176
497	Functional single-wall carbon nanotube nanohybrids--associating SWNTs with water-soluble enzyme model systems. <i>Journal of the American Chemical Society</i> , 2005 , 127, 9830-8	16.4	172
496	Ordering fullerene materials at nanometer dimensions. <i>Accounts of Chemical Research</i> , 2005 , 38, 38-43	24.3	169
495	Photophysical Properties of Mono- and Multiply-Functionalized Fullerene Derivatives. <i>Journal of Physical Chemistry A</i> , 1997 , 101, 1472-1481	2.8	165
494	Design, synthesis, and photophysical studies of a porphyrin-fullerene dyad with parachute topology; charge recombination in the marcus inverted region. <i>Journal of the American Chemical Society</i> , 2004 , 126, 7257-70	16.4	164
493	Efficient functionalization of carbon nanotubes with porphyrin dendrons via click chemistry. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15394-402	16.4	161
492	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
491	Electron transfer through rigid organic molecular wires enhanced by electronic and electron-vibration coupling. <i>Nature Chemistry</i> , 2014 , 6, 899-905	17.6	160

490	ITO-Free and Fully Solution-Processed Semitransparent Organic Solar Cells with High Fill Factors. <i>Advanced Energy Materials</i> , 2013 , 3, 1062-1067	21.8	152
489	Synthesis, characterization, and photoinduced electron transfer in functionalized single wall carbon nanohorns. <i>Journal of the American Chemical Society</i> , 2007 , 129, 3938-45	16.4	151
488	A voyage into the synthesis and photophysics of homo- and heterobinuclear ensembles of phthalocyanines and porphyrins. <i>Chemical Society Reviews</i> , 2013 , 42, 8049-105	58.5	148
487	Driving force dependence of intermolecular electron-transfer reactions of fullerenes. <i>Chemistry - A European Journal</i> , 2003 , 9, 1585-93	4.8	147
486	Unified model for singlet fission within a non-conjugated covalent pentacene dimer. <i>Nature Communications</i> , 2017 , 8, 15171	17.4	143
485	Parallel (face-to-face) versus perpendicular (edge-to-face) alignment of electron donors and acceptors in fullerene porphyrin dyads: the importance of orientation in electron transfer. <i>Journal of the American Chemical Society</i> , 2001 , 123, 9166-7	16.4	142
484	The Effect of PCBM Dimerization on the Performance of Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2014 , 4, 1300693	21.8	140
483	Nanoscale organization of a phthalocyanine-fullerene system: remarkable stabilization of charges in photoactive 1-D nanotubules. <i>Journal of the American Chemical Society</i> , 2005 , 127, 5811-3	16.4	137
482	A multicomponent molecular approach to artificial photosynthesis - the role of fullerenes and endohedral metallofullerenes. <i>Chemical Society Reviews</i> , 2016 , 45, 612-30	58.5	134
481	Convergent synthesis and photophysics of [60]fullerene/porphyrin-based rotaxanes. <i>Journal of the American Chemical Society</i> , 2004 , 126, 3388-9	16.4	131
480	Sc3N@C80-ferrocene electron-donor/acceptor conjugates as promising materials for photovoltaic applications. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4173-6	16.4	129
479	Carbon nanostructures for solar energy conversion schemes. <i>Chemical Communications</i> , 2011 , 47, 606-105.8	16.4	126
478	Phthalocyanine-pyrene conjugates: a powerful approach toward carbon nanotube solar cells. <i>Journal of the American Chemical Society</i> , 2010 , 132, 16202-11	16.4	125
477	Electronically interacting single wall carbon nanotube-porphyrin nanohybrids. <i>Journal of Materials Chemistry</i> , 2006 , 16, 62-65		124
476	Efficient charge separation in porphyrin-fullerene-ligand complexes. <i>Chemistry - A European Journal</i> , 2001 , 7, 816-27	4.8	121
475	Towards tunable graphene/phthalocyanine-PPV hybrid systems. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 3561-5	16.4	116
474	Spectroscopic characterization of photolytically generated radical ion pairs in single-wall carbon nanotubes bearing surface-immobilized tetrathiafulvalenes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 66-73	16.4	115
473	Epitaxial Growth of PbSe Quantum Dots on MoS2 Nanosheets and their Near-Infrared Photoresponse. <i>Advanced Functional Materials</i> , 2014 , 24, 5798-5806	15.6	114

472	Biomimetic assemblies of carbon nanostructures for photochemical energy conversion. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 11432-41	3.4	112
471	Electronic communication through pi-conjugated wires in covalently linked porphyrin/C60 ensembles. <i>Chemistry - A European Journal</i> , 2005 , 11, 1267-80	4.8	112
470	Redox and Excitation Studies with C60-Substituted Malonic Acid Diethyl Esters. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 9380-9385		111
469	[2]Catenanes decorated with porphyrin and [60]fullerene groups: design, convergent synthesis, and photoinduced processes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3847-61	16.4	110
468	Nanometer scale carbon structures for charge-transfer systems and photovoltaic applications. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 1400-20	3.6	110
467	Exceptionally strong electronic communication through hydrogen bonds in porphyrin-C60 pairs. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 4637-41	16.4	109
466	Fullerene architectures made to order; biomimetic motifs [design and features]. <i>Journal of Materials Chemistry</i> , 2002 , 12, 1978-1992		108
465	Photoinduced charge-transfer states in subphthalocyanine-ferrocene dyads. <i>Journal of the American Chemical Society</i> , 2006 , 128, 10680-1	16.4	107
464	25th anniversary article: 25 years of fullerene research in electron transfer chemistry. <i>Advanced Materials</i> , 2014 , 26, 1482-93	24	105
463	Redox processes and alkylation reactions of fullerene C60 as studied by pulse radiolysis. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 11258-11264		105
462	Discrete supramolecular donor-acceptor complexes. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 815-9	16.4	102
461	A panchromatic supramolecular fullerene-based donor-acceptor assembly derived from a peripherally substituted bodipy-zinc phthalocyanine dyad. <i>Chemistry - A European Journal</i> , 2010 , 16, 1929-40	4.8	102
460	Implementation of a Hamilton-receptor-based hydrogen-bonding motif toward a new electron donor-acceptor prototype: electron versus energy transfer. <i>Journal of the American Chemical Society</i> , 2007 , 129, 16057-71	16.4	102
459	Porphyrinfullerene photosynthetic model systems with rotaxane and [catenane architectures. <i>Comptes Rendus Chimie</i> , 2006 , 9, 892-908	2.7	102
458	Modulating charge-transfer interactions in topologically different porphyrin-C60 dyads. <i>Chemistry - A European Journal</i> , 2003 , 9, 4968-79	4.8	102
457	Energy and electron transfer in polyacetylene-linked zinc-porphyrin-[60]fullerene molecular wires. <i>Chemistry - A European Journal</i> , 2005 , 11, 3375-88	4.8	102
456	Probing molecular wires: synthesis, structural, and electronic study of donor-acceptor assemblies exhibiting long-range electron transfer. <i>Chemistry - A European Journal</i> , 2005 , 11, 4819-34	4.8	97
455	Promising fast energy transfer system via an easy synthesis: Bodipy-porphyrin dyads connected via a cyanuric chloride bridge, their synthesis, and electrochemical and photophysical investigations. <i>Inorganic Chemistry</i> , 2011 , 50, 8926-36	5.1	95

- 454 Molecular engineering of C60-based conjugated oligomer ensembles: modulating the competition between photoinduced energy and electron transfer processes. *Journal of Organic Chemistry*, **2002**, 67, 1141-52 4.2 94
- 453 The energy-transfer-enabled biocompatible disulfide-ene reaction. *Nature Chemistry*, **2018**, 10, 981-988 17.6 93
- 452 Low dimensional nanocarbons [Chemistry and energy/electron transfer reactions. *Chemical Science*, **2013**, 4, 4335 9.4 93
- 451 Synthesis, characterization, and photoinduced electron transfer processes of orthogonal ruthenium phthalocyanine-fullerene assemblies. *Journal of the American Chemical Society*, **2009**, 131, 10484-96 16.4 93
- 450 Metal nitride cluster fullerene M3N@C80 (M=Y, Sc) based dyads: synthesis, and electrochemical, theoretical and photophysical studies. *Chemistry - A European Journal*, **2009**, 15, 864-77 4.8 92
- 449 Energy and electron transfer in beta-alkynyl-linked porphyrin-[60]fullerene dyads. *Journal of Physical Chemistry B*, **2006**, 110, 14155-66 3.4 92
- 448 Solution-based intramolecular singlet fission in cross-conjugated pentacene dimers. *Nanoscale*, **2016**, 8, 10113-23 7.7 92
- 447 Pairing fullerenes and porphyrins: supramolecular wires that exhibit charge transfer activity. *Journal of the American Chemical Society*, **2010**, 132, 10786-95 16.4 90
- 446 Donor-acceptor nanoensembles of soluble carbon nanotubes. *Chemical Communications*, **2004**, 2034-5 5.8 88
- 445 Pentacene Dimers as a Critical Tool for the Investigation of Intramolecular Singlet Fission. *Chemistry - A European Journal*, **2018**, 24, 8245-8257 4.8 85
- 444 Electron-donating behavior of few-layer graphene in covalent ensembles with electron-accepting phthalocyanines. *Journal of the American Chemical Society*, **2014**, 136, 4593-8 16.4 85
- 443 Linking photo- and redoxactive phthalocyanines covalently to graphene. *Angewandte Chemie - International Edition*, **2012**, 51, 6421-5 16.4 85
- 442 Endohedral metallofullerenes-filled fullerene derivatives towards multifunctional reaction center mimics. *Chemistry - A European Journal*, **2012**, 18, 5136-48 4.8 85
- 441 Control over electron transfer in tetrathiafulvalene-modified single-walled carbon nanotubes. *Angewandte Chemie - International Edition*, **2006**, 45, 4478-82 16.4 85
- 440 Efficient charge separation in C60-based dyads: triazolino. *Journal of Organic Chemistry*, **2000**, 65, 1978-83 8.2 84
- 439 Charge-transfer in a [Stacked fullerene porphyrin dyad: evidence for back electron transfer in the Marcus-inverted] region. *Chemical Communications*, **2000**, 373-374 5.8 84
- 438 Organic functionalization and optical properties of carbon onions. *Journal of the American Chemical Society*, **2003**, 125, 14268-9 16.4 82
- 437 Self-assembly, host-guest chemistry, and photophysical properties of subphthalocyanine-based metallocapsules. *Journal of the American Chemical Society*, **2013**, 135, 10503-11 16.4 81

436	Modulating electronic interactions between closely spaced complementary pi surfaces with different outcomes: regio- and diastereomerically pure subphthalocyanine-C60 tris adducts. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8032-6	16.4	81
435	Recent advances in multifunctional nanocarbons used in dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2014 , 7, 1281	35.4	79
434	Immobilizing water-soluble dendritic electron donors and electron acceptors-phthalocyanines and perylene diimides-onto single wall carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6392-401	16.4	79
433	Molecular wires--impact of E-conjugation and implementation of molecular bottlenecks. <i>Chemical Society Reviews</i> , 2015 , 44, 988-98	58.5	78
432	Tuning electron transfer through translational motion in molecular shuttles. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 3521-5	16.4	78
431	Hierarchical organization of perylene bisimides and polyoxometalates for photo-assisted water oxidation. <i>Nature Chemistry</i> , 2019 , 11, 146-153	17.6	77
430	Concave-Convex H-Template Approach Enables the Synthesis of [10]Cycloparaphenylene-Fullerene [2]Rotaxanes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13413-13420	16.4	77
429	Shedding light on the effective fluorophore structure of high fluorescence quantum yield carbon nanodots. <i>RSC Advances</i> , 2017 , 7, 24771-24780	3.7	76
428	Tuning electron transfer through p-phenyleneethynylene molecular wires. <i>Chemical Communications</i> , 2006 , 3202-4	5.8	75
427	Evidence for Charge-Transfer Mediation in the Primary Events of Singlet Fission in a Weakly Coupled Pentacene Dimer. <i>Chem</i> , 2018 , 4, 1092-1111	16.2	74
426	Evidence of pronounced electronic coupling in a directly bonded fullerene--ferrocene dyad. <i>ChemPhysChem</i> , 2002 , 3, 195-205	3.2	74
425	Fullerenes - how 25 years of charge transfer chemistry have shaped our understanding of (interfacial) interactions. <i>Chemical Society Reviews</i> , 2018 , 47, 702-714	58.5	74
424	Activating multistep charge-transfer processes in fullerene-subphthalocyanine-ferrocene molecular hybrids as a function of H-orbital overlap. <i>Journal of the American Chemical Society</i> , 2010 , 132, 16488-500	16.4	72
423	Unexpected change in charge transfer behavior in a cobalt(II) porphyrin-fullerene conjugate that stabilizes radical ion pair states. <i>Journal of the American Chemical Society</i> , 2004 , 126, 10370-81	16.4	72
422	Synthesis and photoinduced electron-transfer properties of phthalocyanine-[60]fullerene conjugates. <i>Chemistry - A European Journal</i> , 2008 , 14, 3765-75	4.8	71
421	Efficient Energy-Conversion Materials for the Future: Understanding and Tailoring Charge-Transfer Processes in Carbon Nanostructures. <i>Chem</i> , 2016 , 1, 531-556	16.2	71
420	Charge Carrier Dynamics in a Ternary Bulk Heterojunction System Consisting of P3HT, Fullerene, and a Low Bandgap Polymer. <i>Advanced Energy Materials</i> , 2013 , 3, 949-958	21.8	70
419	Versatile coordination chemistry towards multifunctional carbon nanotube nanohybrids. <i>Chemistry - A European Journal</i> , 2006 , 12, 2152-61	4.8	70

4 ¹⁸	Tetrathiafulvalene-based nanotweezers-noncovalent binding of carbon nanotubes in aqueous media with charge transfer implications. <i>Journal of the American Chemical Society</i> , 2012 , 134, 9183-92	16.4	69
4 ¹⁷	p-Phenyleneethynylene molecular wires: influence of structure on photoinduced electron-transfer properties. <i>Chemistry - A European Journal</i> , 2008 , 14, 6379-90	4.8	69
4 ¹⁶	Multiwalled carbon nanotubes in donor-acceptor nano hybrids-towards long-lived electron transfer products. <i>Chemical Communications</i> , 2005 , 2038-40	5.8	69
4 ¹⁵	Aligning Single-Walled Carbon Nanotubes By Means Of Langmuir-Blodgett Film Deposition: Optical, Morphological, and Photo-electrochemical Studies. <i>Advanced Functional Materials</i> , 2010 , 20, 2481-2488	15.6	68
4 ¹⁴	Oxa[7]superhelicene: A π -Extended Helical Chromophore Based on Hexa-peri-hexabenzocoronenes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5938-5942	16.4	67
4 ¹³	Two similar near-infrared (IR) absorbing benzannulated aza-BODIPY dyes as near-IR sensitizers for ternary solar cells. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 5609-16	9.5	67
4 ¹²	Synthesis and photophysical investigation of new porphyrin derivatives with beta-pyrrole ethynyl linkage and corresponding dyad with [60] fullerene. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 11424-34	2.8	67
4 ¹¹	Carbon Nanodots: Supramolecular Electron Donor-Acceptor Hybrids Featuring Perylene diimides. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8292-7	16.4	66
4 ¹⁰	[2,2']paracyclophane-based π -conjugated molecular wires reveal molecular-junction behavior. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2370-3	16.4	66
4 ⁰⁹	Effect of PCBM on the Photodegradation Kinetics of Polymers for Organic Photovoltaics. <i>Chemistry of Materials</i> , 2012 , 24, 4397-4405	9.6	65
4 ⁰⁸	A new exTTF-crown ether platform to associate fullerenes: cooperative n- and π -effects. <i>Journal of the American Chemical Society</i> , 2010 , 132, 17387-9	16.4	65
4 ⁰⁷	Trapping fullerenes with jellyfish-like subphthalocyanines. <i>Chemical Science</i> , 2013 , 4, 1338	9.4	64
4 ⁰⁶	Synthesis and charge-transfer chemistry of La ₂ @I(h)-C ₈₀ /Sc ₃ N@I(h)-C ₈₀ -zinc porphyrin conjugates: impact of endohedral cluster. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7608-18	16.4	64
4 ⁰⁵	Formation and Characterization of the π -Radical Cation and Dication of π -Extended Tetrathiafulvalene Materials. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 7139-7144	3.4	64
4 ⁰⁴	A molecular Ce ₂ @I(h)-C ₈₀ switch--unprecedented oxidative pathway in photoinduced charge transfer reactivity. <i>Journal of the American Chemical Society</i> , 2010 , 132, 9078-86	16.4	63
4 ⁰³	Screening electronic communication through ortho-, meta- and para-substituted linkers separating subphthalocyanines and C ₆₀ . <i>Chemistry - A European Journal</i> , 2008 , 14, 7670-9	4.8	63
4 ⁰²	Versatile organic (fullerene)-inorganic (CdTe nanoparticle) nanoensembles. <i>Journal of the American Chemical Society</i> , 2004 , 126, 14340-1	16.4	63
4 ⁰¹	Morphology analysis of near IR sensitized polymer/fullerene organic solar cells by implementing low bandgap heteroanalogue C-/Si-PCPDTBT. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 19461-19472	13	62

- 400 Toward combining graphene and QDs: assembling CdTe QDs to exfoliated graphite and nanographene in water. *ACS Nano*, **2012**, 6, 1915-24 16.7 61
- 399 A paradigmatic change: linking fullerenes to electron acceptors. *Journal of the American Chemical Society*, **2012**, 134, 12190-7 16.4 61
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- 397 Blending through-space and through-bond π -coupling in [2,2']-paracyclophane-oligophenylenevinylene molecular wires. *Journal of the American Chemical Society*, **2013**, 135, 10372-81 16.4 60
- 396 Efficient synthetic access to cationic dendrons and their application for ZnO nanoparticles surface functionalization: new building blocks for dye-sensitized solar cells. *Journal of the American Chemical Society*, **2010**, 132, 17910-20 16.4 60
- 395 A Supramolecular [10]CPP Junction Enables Efficient Electron Transfer in Modular Porphyrin-[10]CPP/Fullerene Complexes. *Angewandte Chemie - International Edition*, **2018**, 57, 11549-11553 16.4 59
- 394 Porphyrin-beta-oligo-ethynylphenylene-[60]fullerene triads: synthesis and electrochemical and photophysical characterization of the new porphyrin-oligo-PPE-[60]fullerene systems. *Journal of Physical Chemistry A*, **2009**, 113, 1779-93 2.8 59
- 393 Improving photocurrent generation: supramolecularly and covalently functionalized single-wall carbon nanotubes-polymer/porphyrin donor-acceptor nanohybrids. *Chemistry - A European Journal*, **2008**, 14, 8837-46 4.8 59
- 392 Supramolecular assembly of a quasi-linear heterofullerene/porphyrin dyad. *Journal of Materials Chemistry*, **2002**, 12, 2088-2094 59
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- 389 Graphene Oxide: A One- versus Two-Component Material. *Journal of the American Chemical Society*, **2016**, 138, 11445-8 16.4 57
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- 386 Determination of the attenuation factor in fluorene-based molecular wires. *Chemical Communications*, **2007**, 5164-6 5.8 56
- 385 Novel nanographene/porphyrin hybrids [preparation, characterization, and application in solar energy conversion schemes. *Chemical Science*, **2013**, 4, 3085 9.4 55
- 384 Sharing orbitals: ultrafast excited state deactivations with different outcomes in bucky ferrocenes and ruthenocenes. *Journal of the American Chemical Society*, **2006**, 128, 9420-7 16.4 54
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- 382 Carbon Nanodots for Charge-Transfer Processes. *Accounts of Chemical Research*, **2019**, 52, 955-963 24.3 53
- 381 Synthesis and photophysical properties of a Sc₃N@C₈₀ -corrole electron donor-acceptor conjugate. *Chemistry - A European Journal*, **2015**, 21, 746-52 4.8 53
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