David L Officer

List of Publications by Year
in descending order

202 papers	9,767 citations	38742 50 h-index	40979 93 g-index
213 all docs	213 docs citations	213 times ranked	10955 citing authors

#	Article	IF	Citations
1	Molecular design of an electropolymerized copolymer with carboxylic and sulfonic acid functionalities. Synthetic Metals, 2022, 285, 117029.	3.9	8
2	A Phosphonated Poly(ethylenedioxythiophene) Derivative with Low Oxidation Potential for Energy-Efficient Bioelectronic Devices. Chemistry of Materials, 2022, 34, 140-151.	6.7	7
3	Carbazole-substituted dialkoxybenzodithiophene dyes for efficient light harvesting and the effect of alkoxy tail length. Dyes and Pigments, 2021, 186, 109002.	3.7	9
4	Photocontrolled directional transport using water-in-oil droplets. New Journal of Chemistry, 2021, 45, 1172-1175.	2.8	5
5	Amphiphilic Zinc Porphyrin Singleâ€Walled Carbon Nanotube Hybrids: Efficient Formation and Excited State Charge Transfer Studies. Small, 2021, 17, 2005648.	10.0	10
6	Impact of Sterilization on a Conjugated Polymer-Based Bioelectronic Patch. ACS Applied Polymer Materials, 2021, 3, 2541-2552.	4.4	2
7	Interaction of graphene, MnO , and Ca2+ for enhanced biomimetic, â€˜bubble-freeâ€™ oxygen evolution reaction at mild pH. International Journal of Hydrogen Energy, 2021, 46, 28397-28405.	7.1	1
8	Biofunctional conducting polymers: synthetic advances, challenges, and perspectives towards their use in implantable bioelectronic devices. Advances in Physics: X, 2021, 6, .	4.1	3
9	Electrochemical and optical aspects of cobalt meso-carbazole substituted porphyrin complexes. Electrochimica Acta, 2020, 330, 135140.	5.2	16
10	Porous PNIPAm hydrogels: Overcoming diffusion-governed hydrogel actuation. Sensors and Actuators A: Physical, 2020, 301, 111784.	4.1	16
11	Optimizing Electron Densities of Niâ€Nâ€C Complexes by Hybrid Coordination for Efficient Electrocatalytic CO₂ Reduction. ChemSusChem, 2020, 13, 929-937.	6.8	76
12	Polyterthiophenes Crossâ€Linked with Terpyridyl Metal Complexes for Molecular Architecture of Optically and Electrochemically Tunable Materials. ChemElectroChem, 2020, 7, 4453-4459.	3.4	4
13	Advanced Wearable Thermocells for Body Heat Harvesting. Advanced Energy Materials, 2020, 10, 2002539.	19.5	97
14	Emulating photosynthetic processes with light harvesting synthetic protein (maquette) assemblies on titanium dioxide. Materials Advances, 2020, 1, 1877-1885.	5.4	2
15	Investigation of Ferrocene Linkers in Î²-Substituted Porphyrins. Journal of Physical Chemistry A, 2020, 124, 5513-5522.	2.5	6
16	Highly ordered mesoporous carbon/iron porphyrin nanoreactor for the electrochemical reduction of CO₂. Journal of Materials Chemistry A, 2020, 8, 14966-14974.	10.3	19
17	Dual Droplet Functionality: Phototaxis and Photopolymerization. ACS Applied Materials & Interfaces, 2019, 11, 31484-31489.	8.0	6
18	Bio-Inspired Stretchable and Contractible Tough Fiber by the Hybridization of GO/MWNT/Polyurethane. ACS Applied Materials & Interfaces, 2019, 11, 31162-31168.	8.0	20

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19	When â€œDonorâ€“Acceptorâ€•Dyes Delocalize: A Spectroscopic and Computational Study of Dâ€“A Dyes Using â€œMichlerâ€™s Baseâ€• Journal of Physical Chemistry A, 2019, 123, 5957-5968.	2.5	7
20	Self-Healing Electrode with High Electrical Conductivity and Mechanical Strength for Artificial Electronic Skin. ACS Applied Materials & Interfaces, 2019, 11, 46026-46033.	8.0	37
21	Self-healing graphene oxide-based composite for electromagnetic interference shielding. Carbon, 2019, 155, 499-505.	10.3	60
22	Energy efficient electrochemical reduction of CO₂ to CO using a three-dimensional porphyrin/graphene hydrogel. Energy and Environmental Science, 2019, 12, 747-755.	30.8	125
23	Steric Modification of a Cobalt Phthalocyanine/Graphene Catalyst To Give Enhanced and Stable Electrochemical CO₂ Reduction to CO. ACS Energy Letters, 2019, 4, 666-672.	17.4	183
24	Room temperature CO2 reduction to solid carbon species on liquid metals featuring atomically thin ceria interfaces. Nature Communications, 2019, 10, 865.	12.8	179
25	Porphyrin and Phthalocyanine Graphene Assemblies As Electrocatalysts for CO2 Reduction. ECS Meeting Abstracts, 2019, , .	0.0	0
26	Computational and Spectroscopic Analysis of Î²-Indandione Modified Zinc Porphyrins. Journal of Physical Chemistry A, 2018, 122, 4448-4456.	2.5	6
27	Thermal actuation of hydrogels from PNIPAm, alginate, and carbon nanofibres. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 46-52.	2.1	15
28	Solidâ€State Poly(ionic liquid) Gels for Simultaneous CO₂ Adsorption and Electrochemical Reduction. Energy Technology, 2018, 6, 702-709.	3.8	10
29	Silicon as a ubiquitous contaminant in graphene derivatives with significant impact on device performance. Nature Communications, 2018, 9, 5070.	12.8	42
30	Efficient and Stable Solid-State Dye-Sensitized Solar Cells by the Combination of Phosphonium Organic Ionic Plastic Crystals with Silica. ACS Applied Materials & Interfaces, 2018, 10, 32271-32280.	8.0	33
31	Use of alkylated, amphiphilic zinc porphyrins to disperse individualized SWCNTs. Journal of Porphyrins and Phthalocyanines, 2018, 22, 573-580.	0.8	1
32	Moving Droplets in 3D Using Light. Advanced Materials, 2018, 30, e1801821.	21.0	49
33	Modulation of Donor-Acceptor Distance in a Series of Carbazole Push-Pull Dyes; A Spectroscopic and Computational Study. Molecules, 2018, 23, 421.	3.8	10
34	A Porphyrin/Graphene Framework: A Highly Efficient and Robust Electrocatalyst for Carbon Dioxide Reduction. Advanced Energy Materials, 2018, 8, 1801280.	19.5	88
35	Aldehyde isomers of porphyrin: A spectroscopic and computational study. Journal of Molecular Structure, 2018, 1173, 665-670.	3.6	7
36	Application of terpyridyl ligands to tune the optical and electrochemical properties of a conducting polymer. RSC Advances, 2018, 8, 29505-29512.	3.6	4

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37	Functional Electro-materials Based on Ferricyanide Redox-active Ionic Liquids. Electrochimica Acta, 2017, 245, 934-940.	5.2	10
38	Fabrication of 3D structures from graphene-based biocomposites. Journal of Materials Chemistry B, 2017, 5, 3462-3482.	5.8	33
39	Choosing the right nanoparticle size â€“ designing novel ZnO electrode architectures for efficient dye-sensitized solar cells. Journal of Materials Chemistry A, 2017, 5, 7516-7522.	10.3	8
40	3D printable conducting hydrogels containing chemically converted graphene. Nanoscale, 2017, 9, 2038-2050.	5.6	47
41	Synthesis and Lightâ€Harvesting Potential of Cyanovinyl Î²â€Substituted Porphyrins and Dyads. European Journal of Organic Chemistry, 2017, 2017, 5750-5762.	2.4	3
42	Design and engineering of water-soluble light-harvesting protein maquettes. Chemical Science, 2017, 8, 316-324.	7.4	38
43	Electrotactic ionic liquid droplets. Sensors and Actuators B: Chemical, 2017, 239, 1069-1075.	7.8	14
44	High Performance Fe Porphyrin/Ionic Liquid Coâ€catalyst for Electrochemical CO₂ Reduction. Chemistry - A European Journal, 2016, 22, 14158-14161.	3.3	55
45	Processable 2D materials beyond graphene: MoS₂liquid crystals and fibres. Nanoscale, 2016, 8, 16862-16867.	5.6	40
46	A novel modified terpyridine derivative as a model molecule to study kinetic-based optical spectroscopic ion determination methods. Synthetic Metals, 2016, 219, 101-108.	3.9	7
47	A high energy density solar rechargeable redox battery. Journal of Materials Chemistry A, 2016, 4, 3446-3452.	10.3	35
48	Synthesis and Characterization of Covalently Linked Graphene/Chitosan Composites. Jom, 2016, 68, 384-390.	1.9	11
49	Flexible Tuning of Unsaturated Î²â€Substituents on Zn Porphyrins: A Synthetic, Spectroscopic and Computational Study. Chemistry - A European Journal, 2015, 21, 15622-15632.	3.3	9
50	Electrochemically Induced Synthesis of Poly(2,6-carbazole). Macromolecular Rapid Communications, 2015, 36, 1749-1755.	3.9	17
51	Chemically converted graphene: scalable chemistries to enable processing and fabrication. NPG Asia Materials, 2015, 7, e186-e186.	7.9	72
52	A simple one step process for enhancement of titanium foil dye sensitised solar cell anodes. Journal of Materials Chemistry A, 2015, 3, 3266-3270.	10.3	6
53	A versatile binder-free TiO2 paste for dye-sensitized solar cells. RSC Advances, 2015, 5, 29513-29523.	3.6	6
54	A bio-friendly, green route to processable, biocompatible graphene/polymer composites. RSC Advances, 2015, 5, 45284-45290.	3.6	44

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55	Probing Donorâ€“Acceptor Interactions in meso-Substituted Zn(II) Porphyrins Using Resonance Raman Spectroscopy and Computational Chemistry. Journal of Physical Chemistry C, 2015, 119, 22379-22391.	3.1	16
56	Processable conducting graphene/chitosan hydrogels for tissue engineering. Journal of Materials Chemistry B, 2015, 3, 481-490.	5.8	177
57	Anhydrous organic dispersions of highly reduced chemically converted graphene. Carbon, 2014, 76, 368-377.	10.3	30
58	Photoâ€Chemopropulsion â€“ Lightâ€Stimulated Movement of Microdroplets. Advanced Materials, 2014, 26, 7339-7345.	21.0	64
59	Electrochemical and photoelectronic studies on C60-pyrrolidine-functionalised poly(terthiophene). Electrochimica Acta, 2014, 141, 51-60.	5.2	13
60	Covalently linked biocompatible graphene/polycaprolactone composites for tissue engineering. Carbon, 2013, 52, 296-304.	10.3	222
61	Carbon Nanohorns as Integrative Materials for Efficient Dyeâ€Sensitized Solar Cells. Advanced Materials, 2013, 25, 6513-6518.	21.0	46
62	A Nonconjugated Bridge in Dimer-Sensitized Solar Cells Retards Charge Recombination without Decreasing Charge Injection Efficiency. ACS Applied Materials & Interfaces, 2013, 5, 10824-10829.	8.0	17
63	Optical switching of protein interactions on photosensitiveâ€“electroactive polymers measured by atomic force microscopy. Journal of Materials Chemistry B, 2013, 1, 2162.	5.8	9
64	In vitro growth and differentiation of primary myoblasts on thiophene based conducting polymers. Biomaterials Science, 2013, 1, 983.	5.4	14
65	Synthesis, Characterization, and Photophysics of Oxadiazole- and Diphenylaniline-Substituted Re(I) and Cu(I) Complexes. Inorganic Chemistry, 2013, 52, 1304-1317.	4.0	34
66	Light Harvesting and Light Activatable Protein Maquettes Designed fromÂScratch. Biophysical Journal, 2013, 104, 531a.	0.5	1
67	The electronic characterization of conjugated aryl-substituted 2,5-bis(2-thien-2-ylethenyl) thiophene-based oligomers. Journal of Molecular Structure, 2013, 1047, 80-86.	3.6	3
68	Novel nanographene/porphyrin hybrids â€“ preparation, characterization, and application in solar energy conversion schemes. Chemical Science, 2013, 4, 3085.	7.4	57
69	Cation Exchange at Semiconducting Oxide Surfaces: Origin of Light-Induced Performance Increases in Porphyrin Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2013, 117, 11885-11898.	3.1	20
70	A light-assisted, polymeric water oxidation catalyst that selectively oxidizes seawater with a low onset potential. Chemical Science, 2013, 4, 2797.	7.4	22
71	A merocyanine-based conductive polymer. Journal of Materials Chemistry C, 2013, 1, 3913.	5.5	15
72	A study of TiO₂ binder-free paste prepared for low temperature dye-sensitized solar cells. Journal of Materials Research, 2013, 28, 488-496.	2.6	14

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73	A study of TiO₂ binder-free paste prepared for low temperature dye sensitized solar cells â€“ ERRATUM. Journal of Materials Research, 2013, 28, 657-657.	2.6	0
74	Porphyrins for dye-sensitised solar cells: new insights into efficiency-determining electron transfer steps. Chemical Communications, 2012, 48, 4145.	4.1	215
75	Direct exfoliation of graphite with a porphyrin â€“ creating functionalizable nanographene hybrids. Chemical Communications, 2012, 48, 8745.	4.1	56
76	Electrodeposition of pyrrole and 3-(4-tert-butylphenyl)thiophene copolymer for supercapacitor applications. Synthetic Metals, 2012, 162, 2216-2221.	3.9	36
77	The effect of reduced graphene oxide addition on the superconductivity of MgB2. Journal of Materials Chemistry, 2012, 22, 13941.	6.7	43
78	Towards Hydrogen Energy: Progress on Catalysts for Water Splitting. Australian Journal of Chemistry, 2012, 65, 577.	0.9	22
79	Carbon nanotube/graphene nanocomposite as efficient counter electrodes in dye-sensitized solar cells. Nanotechnology, 2012, 23, 085201.	2.6	135
80	A Single Component Conducting Polymer Hydrogel as a Scaffold for Tissue Engineering. Advanced Functional Materials, 2012, 22, 2692-2699.	14.9	254
81	Electrically Induced Disassembly of Electroactive Multilayer Films Fabricated from Water Soluble Polythiophenes. Advanced Functional Materials, 2012, 22, 5020-5027.	14.9	18
82	Physicochemical study of spiropyranâ€“terthiophene derivatives: photochemistry and thermodynamics. Physical Chemistry Chemical Physics, 2012, 14, 9112.	2.8	14
83	A Porphyrinâ€Doped Polymer Catalyzes Selective, Lightâ€Assisted Water Oxidation in Seawater. Angewandte Chemie - International Edition, 2012, 51, 1907-1910.	13.8	39
84	Porphyrin dye-sensitised solar cells utilising a solid-state electrolyte. Chemical Communications, 2011, 47, 9327.	4.1	20
85	Spectroscopic and computational study of Î²-ethynylphenylene substituted zinc and free-base porphyrins. Physical Chemistry Chemical Physics, 2011, 13, 1597-1605.	2.8	38
86	Coexistence of Femtosecond- and Nonelectron-Injecting Dyes in Dye-Sensitized Solar Cells: Inhomogeniety Limits the Efficiency. Journal of Physical Chemistry C, 2011, 115, 22084-22088.	3.1	53
87	Significant Performance Improvement of Porphyrin-Sensitized TiO₂ Solar Cells under White Light Illumination. Journal of Physical Chemistry C, 2011, 115, 317-326.	3.1	42
88	Why Do Some Alkoxybromothiophenes Spontaneously Polymerize?. Australian Journal of Chemistry, 2011, 64, 335.	0.9	18
89	A Multiswitchable Poly(terthiophene) Bearing a Spiropyran Functionality: Understanding Photo- and Electrochemical Control. Journal of the American Chemical Society, 2011, 133, 5453-5462.	13.7	96
90	Determining the Orientation and Molecular Packing of Organic Dyes on a TiO₂ Surface Using X-ray Reflectometry. Langmuir, 2011, 27, 12944-12950.	3.5	57

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91	An erodible polythiophene-based composite for biomedical applications. Journal of Materials Chemistry, 2011, 21, 5555.	6.7	83
92	Remarkable synergistic effects in a mixed porphyrin dye-sensitized TiO2 film. Applied Physics Letters, 2011, 98, .	3.3	33
93	Electrochemical and UVâ€“Vis/ESR spectroelectrochemical properties of thienylenevinylenes substituted by a 4-cyanostyryl group. Electrochimica Acta, 2011, 56, 4445-4450.	5.2	1
94	Creating conductive structures for cell growth: Growth and alignment of myogenic cell types on polythiophenes. Journal of Biomedical Materials Research - Part A, 2010, 95A, 256-268.	4.0	62
95	Injection Limitations in a Series of Porphyrin Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2010, 114, 3276-3279.	3.1	94
96	Ionic liquid electrolyte porphyrin dye sensitised solar cells. Chemical Communications, 2010, 46, 3146.	4.1	92
97	Indanedione-Substituted Poly(terthiophene)s: Processable Conducting Polymers with Intramolecular Charge Transfer Interactions. Macromolecules, 2010, 43, 3817-3827.	4.8	30
98	Functionalised polyterthiophenes as anode materials in polymer/polymer batteries. Synthetic Metals, 2010, 160, 76-82.	3.9	51
99	Linker Conjugation Effects in Rhenium(I) Bifunctional Holeâ€Transport/Emitter Molecules. Chemistry - A European Journal, 2009, 15, 3682-3690.	3.3	39
100	Electronic Studies on Oligothienylenevinylenes: Understanding the Nature of Their Ground and Excited Electronic States. ChemPhysChem, 2009, 10, 1901-1910.	2.1	6
101	Hinged bis-porphyrin scaffolds I. The synthesis of a new porphyrin diene and its role in constructing hinged porphyrin dyads and cavity systems. Tetrahedron Letters, 2009, 50, 667-670.	1.4	14
102	Tuning the optical properties of ZnTPP using carbonyl ring fusion. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 931-935.	3.9	23
103	Znâ‹¯Zn Porphyrin Dimer-Sensitized Solar Cells: Toward 3-D Light Harvesting. Journal of the American Chemical Society, 2009, 131, 15621-15623.	13.7	177
104	A spectroscopic and DFT study of thiophene-substituted metalloporphyrins as dye-sensitized solar cell dyes. Physical Chemistry Chemical Physics, 2009, 11, 5598.	2.8	71
105	Improved performance of porphyrin-based dye sensitised solar cells by phosphinic acid surface treatment. Energy and Environmental Science, 2009, 2, 1069.	30.8	49
106	Energy transfer processes in electronically coupled porphyrin hetero-dyads connected at the Î² position. Physical Chemistry Chemical Physics, 2009, 11, 2166.	2.8	15
107	High Molar Extinction Coefficient Ruthenium Sensitizers for Thin Film Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2009, 113, 1998-2003.	3.1	61
108	Raman frequency dispersion studies of substituted polythiophene films. International Journal of Nanotechnology, 2009, 6, 344.	0.2	4

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109	Investigations of electrochemical and spectroelectrochemical properties (UV-Vis, EPR) of thiophene trimer derivatives substituted with phenylvinyl groups. Polimery, 2009, 54, 209-215.	0.7	1
110	An alternative synthesis of Î²-pyrrolic acetylene-substituted porphyrins. Tetrahedron Letters, 2008, 49, 5632-5635.	1.4	15
111	Extending the porphyrin core: synthesis and photophysical characterization of porphyrins with Ï€-conjugated Î²-substituents. New Journal of Chemistry, 2008, 32, 166-178.	2.8	28
112	The origin of open circuit voltage of porphyrin-sensitised TiO2 solar cells. Chemical Communications, 2008, , 4741.	4.1	97
113	Functionalising carbon nanotubes. International Journal of Nanotechnology, 2008, 5, 331.	0.2	9
114	Electrodeposition and Characterisation of Polypyrroles Containing Sulfonated Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2007, 7, 3487-3494.	0.9	8
115	Understanding and Improving Solid-State Polymer/C60-Fullerene Bulk-Heterojunction Solar Cells Using Ternary Porphyrin Blends. Journal of Physical Chemistry C, 2007, 111, 15415-15426.	3.1	72
116	Zincâ^'Porphyrin Phosphonate Coordination:Â Structural Control through a Zinc Phosphorylâ^'Oxygen Interaction. Inorganic Chemistry, 2007, 46, 4781-4783.	4.0	9
117	A readily-prepared, convergent, oxygen reduction electrocatalyst. Chemical Communications, 2007, , 3353.	4.1	38
118	A Spectroscopic and Computational Study of the Neutral and Radical Cation Species of Conjugated Aryl-Substituted 2,5-Bis(2-thien-2-ylethenyl)thiophene-Based Oligomers. Journal of Physical Chemistry A, 2007, 111, 7171-7180.	2.5	31
119	Modulation of Electronic Properties in Neutral and Oxidized Oligothiophenes Substituted with Conjugated Polyaromatic Hydrocarbons. Journal of Physical Chemistry A, 2007, 111, 2385-2397.	2.5	7
120	A modular procedure for the synthesis of functionalised Î²-substituted terthiophene monomers for conducting polymer applications. Tetrahedron, 2007, 63, 11141-11152.	1.9	12
121	Facile synthesis of acetylene-substituted terthiophenes. Tetrahedron Letters, 2007, 48, 6245-6248.	1.4	3
122	Electrochemical actuation properties of a novel solution-processable polythiophene. Electrochimica Acta, 2007, 53, 1830-1836.	5.2	4
123	Flip-type disorder in 3-substituted 2,2â€²:5â€²,2â€²â€²-terthiophenes. Acta Crystallographica Section C: Crystal Structure Communications, 2007, 63, o400-o404.	0.4	3
124	(Z)-2-Phenyl-3-(2,2â€²:5â€²,2â€²â€²-terthiophen-3â€²-yl)acrylonitrile. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o3054-o3055.	0.2	0
125	Highly Efficient Porphyrin Sensitizers for Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2007, 111, 11760-11762.	3.1	691
126	Computational Study of Supramolecular Bis-porphyrin â€œMolecular Tweezersâ€• Theoretical Chemistry Accounts, 2007, 117, 239-245.	1.4	5

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127	Novel fullerene-functionalised poly(terthiophenes). Journal of Electroanalytical Chemistry, 2007, 599, 79-84.	3.8	16
128	Tuning from Ï€,Ï€* to Charge-Transfer Excited States in Styryl-Substituted Terthiophenes:â€‰ An Ultrafast and Steady-State Emission Study. Journal of Physical Chemistry A, 2006, 110, 7696-7702.	2.5	47
129	A flip-disorder in the structure of 3-[2-(anthracen-9-yl)ethenyl]thiophene. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o5745-o5747.	0.2	7
130	2,5-Bis(2-cyano-2-thienylvinyl)thiophene. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o5931-o5932.	0.2	6
131	Functionalized polythiophene-coated textile: A new anode material for a flexible battery. Journal of Power Sources, 2006, 156, 610-614.	7.8	64
132	Synthesis and characterization of novel styryl-substituted oligothienylenevinylenes. Tetrahedron, 2006, 62, 2190-2199.	1.9	17
133	A DFT study of the optical properties of substituted Zn(II)TPP complexes. Computational and Theoretical Chemistry, 2006, 759, 17-24.	1.5	71
134	Synthesis and Characterization of a Multicomponent Rhenium(I) Complex for Application as an OLED Dopant. Angewandte Chemie - International Edition, 2006, 45, 2582-2584.	13.8	136
135	Cover Picture: Synthesis and Characterization of a Multicomponent Rhenium(I) Complex for Application as an OLED Dopant (Angew. Chem. Int. Ed. 16/2006). Angewandte Chemie - International Edition, 2006, 45, 2481-2481.	13.8	1
136	Raman Spectroscopy of Short-Lived Terthiophene Radical Cations Generated by Photochemical and Chemical Oxidation. ChemPhysChem, 2006, 7, 1276-1285.	2.1	8
137	Resonance Raman Studies of Î²-Substituted Porphyrin Systems with Unusual Electronic Absorption Properties. ChemPhysChem, 2006, 7, 2358-2365.	2.1	19
138	The effect of oxidation on the structure of styryl-substituted sexithiophenes: A resonance Raman spectroscopy and density functional theory study. Journal of Chemical Physics, 2006, 124, 164501.	3.0	17
139	Efficient Light Harvesting by Using Green Zn-Porphyrin-Sensitized Nanocrystalline TiO2Films. Journal of Physical Chemistry B, 2005, 109, 15397-15409.	2.6	425
140	Photoelectrochemical Cells Based on Inherently Conducting Polymers. MRS Bulletin, 2005, 30, 46-49.	3.5	16
141	Zn-Porphyrin-Sensitized Nanocrystalline TiO2 Heterojunction Photovoltaic Cells. ChemPhysChem, 2005, 6, 1253-1258.	2.1	99
142	Spectroscopic and density functional theory study of functionalized thiophene-benzene derivatives. Journal of Raman Spectroscopy, 2005, 36, 445-452.	2.5	6
143	The influence of the monomer and the ionic liquid on the electrochemical preparation of polythiophene. Polymer, 2005, 46, 2047-2058.	3.8	128
144	Characterization of the Oxidation Products of Styryl-Substituted Terthiophenes and Sexithiophenes Using Electronic Absorption Spectroscopy and Time-Dependent DFT. Journal of Physical Chemistry A, 2005, 109, 1961-1973.	2.5	20

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145	Photoelectrochemical Solar Cells based on Polyterthiophenes Containing Porphyrins using Ionic Liquid Electrolyte. Electrochemical and Solid-State Letters, 2005, 8, A528.	2.2	19
146	Self-Assembled Porphyrin Arrays via Zincâ€"Nitrogen Coordination. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2005, 53, 143-148.	1.6	7
147	Towards processable polyether-functionalized poly(3â€™-styrylterthiophenes). Synthetic Metals, 2005, 154, 93-96.	3.9	9
148	Towards functionalised terthiophene-based polymers. Synthetic Metals, 2005, 154, 117-120.	3.9	15
149	Structural and electronic properties of substituted terthiophenes. Synthetic Metals, 2005, 154, 325-328.	3.9	10
150	Investigation of the electropolymerisation of EDOT in ionic liquids. Synthetic Metals, 2005, 153, 257-260.	3.9	69
151	Experimental and Computational Studies of Substituted Terthiophene Oligomers as Electroluminescent Materials. Synthetic Metals, 2005, 153, 225-228.	3.9	6
152	Towards functionalized poly(terthiophenes): regioselective synthesis of oligoether-substituted bis(styryl)sexithiophenes. Organic and Biomolecular Chemistry, 2005, 3, 2008.	2.8	18
153	The design and synthesis of porphyrin/oligiothiophene hybrid monomers. Organic and Biomolecular Chemistry, 2005, 3, 2075.	2.8	28
154	Electrochemical synthesis of polypyrrole in ionic liquids. Polymer, 2004, 45, 1447-1453.	3.8	191
155	Porphyrins as light harvesters in the dye-sensitised TiO2 solar cell. Coordination Chemistry Reviews, 2004, 248, 1363-1379.	18.8	737
156	Photoelectrochemical cells based on a novel porphyrin containing light harvesting conducting copolymer. Electrochimica Acta, 2004, 49, 329-337.	5.2	32
157	Metallation effects on the thermal interconversion of atropisomers of di(orthomethylarene)-substituted porphyrins. Dalton Transactions, 2004, , 319.	3.3	9
158	Application of Metalloporphyrins in Nanocrystalline Dye-Sensitized Solar Cells for Conversion of Sunlight into Electricity. Langmuir, 2004, 20, 6514-6517.	3.5	288
159	Toward Functionalized Conducting Polymers:Â Synthesis and Characterization of Novel Î²-(Styryl)terthiophenes. Journal of Organic Chemistry, 2003, 68, 8974-8983.	3.2	67
160	Theoretical and Spectroscopic Study of a Series of Styryl-Substituted Terthiophenes. Journal of Physical Chemistry A, 2003, 107, 11505-11516.	2.5	56
161	Functionalised poly(terthiophenes). Synthetic Metals, 2003, 135-136, 97-98.	3.9	13
162	Synthesis and polymerisation of fully conjugated polyether-substituted terthiophenes. Synthetic Metals, 2003, 135-136, 103-104.	3.9	5

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163	Vibrational Spectra and Calculations on Substituted Terthiophenes. Synthetic Metals, 2003, 137, 1367-1368.	3.9	4
164	Photovoltaic devices based on poly(bis-terthiophenes) and substituted poly(bisterthiophene). Synthetic Metals, 2003, 137, 1373-1374.	3.9	12
165	Glassy Carbon Based Sensors. Synthetic Metals, 2003, 137, 1429-1430.	3.9	6
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