

David L Officer

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/222707/david-l-officer-publications-by-year.pdf>

Version: 2024-04-19

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.

201
papers

8,404
citations

46
h-index

86
g-index

213
ext. papers

9,017
ext. citations

6.4
avg, IF

5.77
L-index

#	Paper	IF	Citations
201	Molecular design of an electropolymerized copolymer with carboxylic and sulfonic acid functionalities. <i>Synthetic Metals</i> , 2022 , 285, 117029	3.6	2
200	A Phosphonated Poly(ethylenedioxythiophene) Derivative with Low Oxidation Potential for Energy-Efficient Bioelectronic Devices. <i>Chemistry of Materials</i> , 2022 , 34, 140-151	9.6	2
199	Impact of Sterilization on a Conjugated Polymer-Based Bioelectronic Patch. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 2541-2552	4.3	1
198	Carbazole-substituted dialkoxybenzodithiophene dyes for efficient light harvesting and the effect of alkoxy tail length. <i>Dyes and Pigments</i> , 2021 , 186, 109002	4.6	4
197	Photocontrolled directional transport using water-in-oil droplets. <i>New Journal of Chemistry</i> , 2021 , 45, 1172-1175	3.6	3
196	Amphiphilic Zinc Porphyrin Single-Walled Carbon Nanotube Hybrids: Efficient Formation and Excited State Charge Transfer Studies. <i>Small</i> , 2021 , 17, e2005648	11	5
195	Interaction of graphene, MnO ₂ , and Ca ²⁺ for enhanced biomimetic, bubble-free oxygen evolution reaction at mild pH. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 28397-28405	6.7	0
194	Biofunctional conducting polymers: synthetic advances, challenges, and perspectives towards their use in implantable bioelectronic devices. <i>Advances in Physics: X</i> , 2021 , 6, 1899850	5.1	1
193	Investigation of Ferrocene Linkers in π -Substituted Porphyrins. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 5513-5522	2.8	5
192	Highly ordered mesoporous carbon/iron porphyrin nanoreactor for the electrochemical reduction of CO ₂ . <i>Journal of Materials Chemistry A</i> , 2020 , 8, 14966-14974	13	9
191	Electrochemical and optical aspects of cobalt meso-carbazole substituted porphyrin complexes. <i>Electrochimica Acta</i> , 2020 , 330, 135140	6.7	9
190	Porous PNIPAm hydrogels: Overcoming diffusion-governed hydrogel actuation. <i>Sensors and Actuators A: Physical</i> , 2020 , 301, 111784	3.9	11
189	Optimizing Electron Densities of Ni-N-C Complexes by Hybrid Coordination for Efficient Electrocatalytic CO Reduction. <i>ChemSusChem</i> , 2020 , 13, 929-937	8.3	35
188	Polyterthiophenes Cross-Linked with Terpyridyl Metal Complexes for Molecular Architecture of Optically and Electrochemically Tunable Materials. <i>ChemElectroChem</i> , 2020 , 7, 4453-4459	4.3	3
187	Advanced Wearable Thermocells for Body Heat Harvesting. <i>Advanced Energy Materials</i> , 2020 , 10, 2002539	11.8	41
186	Emulating photosynthetic processes with light harvesting synthetic protein (maquette) assemblies on titanium dioxide. <i>Materials Advances</i> , 2020 , 1, 1877-1885	3.3	0
185	Self-healing graphene oxide-based composite for electromagnetic interference shielding. <i>Carbon</i> , 2019 , 155, 499-505	10.4	31

184	Energy efficient electrochemical reduction of CO ₂ to CO using a three-dimensional porphyrin/graphene hydrogel. <i>Energy and Environmental Science</i> , 2019 , 12, 747-755	35.4	76
183	Steric Modification of a Cobalt Phthalocyanine/Graphene Catalyst To Give Enhanced and Stable Electrochemical CO ₂ Reduction to CO. <i>ACS Energy Letters</i> , 2019 , 4, 666-672	20.1	104
182	Room temperature CO reduction to solid carbon species on liquid metals featuring atomically thin ceria interfaces. <i>Nature Communications</i> , 2019 , 10, 865	17.4	100
181	Dual Droplet Functionality: Phototaxis and Photopolymerization. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 31484-31489	9.5	2
180	Bio-Inspired Stretchable and Contractible Tough Fiber by the Hybridization of GO/MWNT/Polyurethane. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 31162-31168	9.5	10
179	When "Donor-Acceptor" Dyes Delocalize: A Spectroscopic and Computational Study of D-A Dyes Using "Michler's Base". <i>Journal of Physical Chemistry A</i> , 2019 , 123, 5957-5968	2.8	4
178	Self-Healing Electrode with High Electrical Conductivity and Mechanical Strength for Artificial Electronic Skin. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 46026-46033	9.5	19
177	Computational and Spectroscopic Analysis of Porphyrin Modified Zinc Porphyrins. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 4448-4456	2.8	4
176	Thermal actuation of hydrogels from PNIPAm, alginate, and carbon nanofibres. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018 , 56, 46-52	2.6	11
175	Moving Droplets in 3D Using Light. <i>Advanced Materials</i> , 2018 , 30, e1801821	24	23
174	Modulation of Donor-Acceptor Distance in a Series of Carbazole Push-Pull Dyes; A Spectroscopic and Computational Study. <i>Molecules</i> , 2018 , 23,	4.8	8
173	A Porphyrin/Graphene Framework: A Highly Efficient and Robust Electrocatalyst for Carbon Dioxide Reduction. <i>Advanced Energy Materials</i> , 2018 , 8, 1801280	21.8	57
172	Aldehyde isomers of porphyrin: A spectroscopic and computational study. <i>Journal of Molecular Structure</i> , 2018 , 1173, 665-670	3.4	6
171	Application of terpyridyl ligands to tune the optical and electrochemical properties of a conducting polymer.. <i>RSC Advances</i> , 2018 , 8, 29505-29512	3.7	3
170	Solid-State Poly(ionic liquid) Gels for Simultaneous CO ₂ Adsorption and Electrochemical Reduction. <i>Energy Technology</i> , 2018 , 6, 702-709	3.5	8
169	Silicon as a ubiquitous contaminant in graphene derivatives with significant impact on device performance. <i>Nature Communications</i> , 2018 , 9, 5070	17.4	28
168	Efficient and Stable Solid-State Dye-Sensitized Solar Cells by the Combination of Phosphonium Organic Ionic Plastic Crystals with Silica. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 32271-32280	9.5	24
167	Use of alkylated, amphiphilic zinc porphyrins to disperse individualized SWCNTs. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018 , 22, 573-580	1.8	1

166	Functional Electro-materials Based on Ferricyanide Redox-active Ionic Liquids. <i>Electrochimica Acta</i> , 2017 , 245, 934-940	6.7	5
165	Fabrication of 3D structures from graphene-based biocomposites. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3462-3482	7.3	25
164	Choosing the right nanoparticle size and Designing novel ZnO electrode architectures for efficient dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7516-7522	13	8
163	3D printable conducting hydrogels containing chemically converted graphene. <i>Nanoscale</i> , 2017 , 9, 2038-2050	7.7	39
162	Synthesis and Light-Harvesting Potential of Cyanovinyl and Substituted Porphyrins and Dyads. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 5750-5762	3.2	3
161	Design and engineering of water-soluble light-harvesting protein maquettes. <i>Chemical Science</i> , 2017 , 8, 316-324	9.4	27
160	Electrotactic ionic liquid droplets. <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 1069-1075	8.5	13
159	High Performance Fe Porphyrin/Ionic Liquid Co-catalyst for Electrochemical CO ₂ Reduction. <i>Chemistry - A European Journal</i> , 2016 , 22, 14158-61	4.8	42
158	Processable 2D materials beyond graphene: MoS liquid crystals and fibres. <i>Nanoscale</i> , 2016 , 8, 16862-16867	8.67	32
157	A novel modified terpyridine derivative as a model molecule to study kinetic-based optical spectroscopic ion determination methods. <i>Synthetic Metals</i> , 2016 , 219, 101-108	3.6	5
156	A high energy density solar rechargeable redox battery. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3446-3452	3.52	32
155	Synthesis and Characterization of Covalently Linked Graphene/Chitosan Composites. <i>Jom</i> , 2016 , 68, 384-390	3.90	9
154	A versatile binder-free TiO ₂ paste for dye-sensitized solar cells. <i>RSC Advances</i> , 2015 , 5, 29513-29523	3.7	6
153	A bio-friendly, green route to processable, biocompatible graphene/polymer composites. <i>RSC Advances</i> , 2015 , 5, 45284-45290	3.7	37
152	Probing Donor-Acceptor Interactions in meso-Substituted Zn(II) Porphyrins Using Resonance Raman Spectroscopy and Computational Chemistry. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 22379-22391	3.8	14
151	Processable conducting graphene/chitosan hydrogels for tissue engineering. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 481-490	7.3	146
150	Flexible Tuning of Unsaturated and Substituents on Zn Porphyrins: A Synthetic, Spectroscopic and Computational Study. <i>Chemistry - A European Journal</i> , 2015 , 21, 15622-32	4.8	8
149	Electrochemically Induced Synthesis of Poly(2,6-carbazole). <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1749-55	4.8	16

148	Chemically converted graphene: scalable chemistries to enable processing and fabrication. <i>NPG Asia Materials</i> , 2015 , 7, e186-e186	10.3	57
147	A simple one step process for enhancement of titanium foil dye sensitised solar cell anodes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3266-3270	13	4
146	Photo-chemopropulsion--light-stimulated movement of microdroplets. <i>Advanced Materials</i> , 2014 , 26, 7339-45	24	50
145	Electrochemical and photoelectronic studies on C60-pyrrolidine-functionalised poly(terthiophene). <i>Electrochimica Acta</i> , 2014 , 141, 51-60	6.7	11
144	Anhydrous organic dispersions of highly reduced chemically converted graphene. <i>Carbon</i> , 2014 , 76, 368-374	23	
143	Covalently linked biocompatible graphene/polycaprolactone composites for tissue engineering. <i>Carbon</i> , 2013 , 52, 296-304	10.4	193
142	Carbon nanohorns as integrative materials for efficient dye-sensitized solar cells. <i>Advanced Materials</i> , 2013 , 25, 6513-8	24	39
141	A nonconjugated bridge in dimer-sensitized solar cells retards charge recombination without decreasing charge injection efficiency. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 10824-9	9.5	12
140	Optical switching of protein interactions on photosensitive-electroactive polymers measured by atomic force microscopy. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2162-2168	7.3	9
139	In vitro growth and differentiation of primary myoblasts on thiophene based conducting polymers. <i>Biomaterials Science</i> , 2013 , 1, 983-995	7.4	13
138	Synthesis, characterization, and photophysics of oxadiazole- and diphenylaniline-substituted Re(I) and Cu(I) complexes. <i>Inorganic Chemistry</i> , 2013 , 52, 1304-17	5.1	33
137	Extrusion Printed Graphene/Polycaprolactone/Composites for Tissue Engineering. <i>Materials Science Forum</i> , 2013 , 773-774, 496-502	0.4	16
136	The electronic characterization of conjugated aryl-substituted 2,5-bis(2-thien-2-ylethenyl) thiophene-based oligomers. <i>Journal of Molecular Structure</i> , 2013 , 1047, 80-86	3.4	3
135	Novel nanographene/porphyrin hybrids [preparation, characterization, and application in solar energy conversion schemes. <i>Chemical Science</i> , 2013 , 4, 3085	9.4	55
134	Cation Exchange at Semiconducting Oxide Surfaces: Origin of Light-Induced Performance Increases in Porphyrin Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 11885-11898	3.8	18
133	A light-assisted, polymeric water oxidation catalyst that selectively oxidizes seawater with a low onset potential. <i>Chemical Science</i> , 2013 , 4, 2797	9.4	21
132	A merocyanine-based conductive polymer. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 3913	7.1	12
131	A study of TiO2 binder-free paste prepared for low temperature dye-sensitized solar cells. <i>Journal of Materials Research</i> , 2013 , 28, 488-496	2.5	12

130	A study of TiO ₂ binder-free paste prepared for low temperature dye sensitized solar cells. <i>Journal of Materials Research</i> , 2013 , 28, 657-657	2.5	
129	A porphyrin-doped polymer catalyzes selective, light-assisted water oxidation in seawater. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1907-10	16.4	33
128	Porphyrins for dye-sensitized solar cells: new insights into efficiency-determining electron transfer steps. <i>Chemical Communications</i> , 2012 , 48, 4145-62	5.8	197
127	Direct exfoliation of graphite with a porphyrin--creating functionalizable nanographene hybrids. <i>Chemical Communications</i> , 2012 , 48, 8745-7	5.8	51
126	Electrodeposition of pyrrole and 3-(4-tert-butylphenyl)thiophene copolymer for supercapacitor applications. <i>Synthetic Metals</i> , 2012 , 162, 2216-2221	3.6	31
125	The effect of reduced graphene oxide addition on the superconductivity of MgB ₂ . <i>Journal of Materials Chemistry</i> , 2012 , 22, 13941		37
124	Towards Hydrogen Energy: Progress on Catalysts for Water Splitting. <i>Australian Journal of Chemistry</i> , 2012 , 65, 577	1.2	19
123	Carbon nanotube/graphene nanocomposite as efficient counter electrodes in dye-sensitized solar cells. <i>Nanotechnology</i> , 2012 , 23, 085201	3.4	125
122	A Single Component Conducting Polymer Hydrogel as a Scaffold for Tissue Engineering. <i>Advanced Functional Materials</i> , 2012 , 22, 2692-2699	15.6	231
121	Electrically Induced Disassembly of Electroactive Multilayer Films Fabricated from Water Soluble Polythiophenes. <i>Advanced Functional Materials</i> , 2012 , 22, 5020-5027	15.6	17
120	A Porphyrin-Doped Polymer Catalyzes Selective, Light-Assisted Water Oxidation in Seawater. <i>Angewandte Chemie</i> , 2012 , 124, 1943-1946	3.6	11
119	Physicochemical study of spiropyran-terthiophene derivatives: photochemistry and thermodynamics. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 9112-20	3.6	11
118	Why Do Some Alkoxybromothiophenes Spontaneously Polymerize?. <i>Australian Journal of Chemistry</i> , 2011 , 64, 335	1.2	13
117	A multiswitchable poly(terthiophene) bearing a spiropyran functionality: understanding photo- and electrochemical control. <i>Journal of the American Chemical Society</i> , 2011 , 133, 5453-62	16.4	86
116	Determining the orientation and molecular packing of organic dyes on a TiO ₂ surface using X-ray reflectometry. <i>Langmuir</i> , 2011 , 27, 12944-50	4	54
115	An erodible polythiophene-based composite for biomedical applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 5555		75
114	Remarkable synergistic effects in a mixed porphyrin dye-sensitized TiO ₂ film. <i>Applied Physics Letters</i> , 2011 , 98, 163502	3.4	29
113	Porphyrin dye-sensitized solar cells utilising a solid-state electrolyte. <i>Chemical Communications</i> , 2011 , 47, 9327-9	5.8	18

112	Spectroscopic and computational study of β -ethynylphenylene substituted zinc and free-base porphyrins. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 1597-605	3.6	38
111	Coexistence of Femtosecond- and Nonelectron-Injecting Dyes in Dye-Sensitized Solar Cells: Inhomogeneity Limits the Efficiency. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 22084-22088	3.8	49
110	Significant Performance Improvement of Porphyrin-Sensitized TiO ₂ Solar Cells under White Light Illumination. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 317-326	3.8	39
109	Electrochemical and UV-Vis/ESR spectroelectrochemical properties of thienylenevinylene substituted by a 4-cyanostyryl group. <i>Electrochimica Acta</i> , 2011 , 56, 4445-4450	6.7	1
108	Injection Limitations in a Series of Porphyrin Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 3276-3279	3.8	82
107	Ionic liquid electrolyte porphyrin dye sensitised solar cells. <i>Chemical Communications</i> , 2010 , 46, 3146-8	5.8	88
106	Indanedione-Substituted Poly(terthiophene)s: Processable Conducting Polymers with Intramolecular Charge Transfer Interactions. <i>Macromolecules</i> , 2010 , 43, 3817-3827	5.5	26
105	Functionalised polyterthiophenes as anode materials in polymer/polymer batteries. <i>Synthetic Metals</i> , 2010 , 160, 76-82	3.6	48
104	Creating conductive structures for cell growth: growth and alignment of myogenic cell types on polythiophenes. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 95, 256-68	5.4	52
103	Linker conjugation effects in rhenium(I) bifunctional hole-transport/emitter molecules. <i>Chemistry - A European Journal</i> , 2009 , 15, 3682-90	4.8	38
102	Electronic studies on oligothiénylenevinylene: understanding the nature of their ground and excited electronic states. <i>ChemPhysChem</i> , 2009 , 10, 1901-10	3.2	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. <i>Tetrahedron Letters</i> , 2009 , 50, 667-670	2	13
100	Tuning the optical properties of ZnTPP using carbonyl ring fusion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009 , 74, 931-5	4.4	21
99	Zn-Zn porphyrin dimer-sensitized solar cells: toward 3-D light harvesting. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15621-3	16.4	165
98	A spectroscopic and DFT study of thiophene-substituted metalloporphyrins as dye-sensitized solar cell dyes. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 5598-607	3.6	67
97	Improved performance of porphyrin-based dye sensitised solar cells by phosphinic acid surface treatment. <i>Energy and Environmental Science</i> , 2009 , 2, 1069	35.4	45
96	Energy transfer processes in electronically coupled porphyrin hetero-dyads connected at the beta position. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 2166-76	3.6	14
95	High Molar Extinction Coefficient Ruthenium Sensitizers for Thin Film Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 1998-2003	3.8	57

94	Raman frequency dispersion studies of substituted polythiophene films. <i>International Journal of Nanotechnology</i> , 2009 , 6, 344	1.5	4
93	The origin of open circuit voltage of porphyrin-sensitised TiO(2) solar cells. <i>Chemical Communications</i> , 2008 , 4741-3	5.8	95
92	Functionalising carbon nanotubes. <i>International Journal of Nanotechnology</i> , 2008 , 5, 331	1.5	7
91	An alternative synthesis of β -pyrrolic acetylene-substituted porphyrins. <i>Tetrahedron Letters</i> , 2008 , 49, 5632-5635	2	15
90	Extending the porphyrin core: synthesis and photophysical characterization of porphyrins with β -conjugated β -substituents. <i>New Journal of Chemistry</i> , 2008 , 32, 166-178	3.6	23
89	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. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 7171-80	2.8	29
88	Modulation of electronic properties in neutral and oxidized oligothiophenes substituted with conjugated polyaromatic hydrocarbons. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 2385-97	2.8	7
87	A modular procedure for the synthesis of functionalised β -substituted terthiophene monomers for conducting polymer applications. <i>Tetrahedron</i> , 2007 , 63, 11141-11152	2.4	12
86	Facile synthesis of acetylene-substituted terthiophenes. <i>Tetrahedron Letters</i> , 2007 , 48, 6245-6248	2	2
85	Electrochemical actuation properties of a novel solution-processable polythiophene. <i>Electrochimica Acta</i> , 2007 , 53, 1830-1836	6.7	2
84	Flip-type disorder in 3-substituted 2,2':5',2''-terthiophenes. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2007 , 63, o400-4		3
83	(Z)-2-Phenyl-3-(2,2':5',2''-terthiophen-3'-yl)acrylonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, o3054-o3055		
82	Highly Efficient Porphyrin Sensitizers for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11760-11762	3.8	651
81	Computational Study of Supramolecular Bis-porphyrin π -Molecular Tweezers. <i>Theoretical Chemistry Accounts</i> , 2007 , 117, 239-245	1.9	5
80	Novel fullerene-functionalised poly(terthiophenes). <i>Journal of Electroanalytical Chemistry</i> , 2007 , 599, 79-84	4.1	13
79	Electrodeposition and characterisation of polypyrroles containing sulfonated carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 3487-94	1.3	7
78	Understanding and Improving Solid-State Polymer/C60-Fullerene Bulk-Heterojunction Solar Cells Using Ternary Porphyrin Blends. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 15415-15426	3.8	68
77	Zinc-porphyrin phosphonate coordination: structural control through a zinc phosphoryl-oxygen interaction. <i>Inorganic Chemistry</i> , 2007 , 46, 4781-3	5.1	9

76	A readily-prepared, convergent, oxygen reduction electrocatalyst. <i>Chemical Communications</i> , 2007 , 3353-58	36
75	Synthesis and characterization of a multicomponent rhenium(I) complex for application as an OLED dopant. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2582-4	16.4 133
74	Cover Picture: Synthesis and Characterization of a Multicomponent Rhenium(I) Complex for Application as an OLED Dopant (Angew. Chem. Int. Ed. 16/2006). <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2481-2481	16.4 1
73	Raman spectroscopy of short-lived terthiophene radical cations generated by photochemical and chemical oxidation. <i>ChemPhysChem</i> , 2006 , 7, 1276-85	3.2 8
72	Resonance Raman studies of beta-substituted porphyrin systems with unusual electronic absorption properties. <i>ChemPhysChem</i> , 2006 , 7, 2358-65	3.2 18
71	Synthesis and Characterization of a Multicomponent Rhenium(I) Complex for Application as an OLED Dopant. <i>Angewandte Chemie</i> , 2006 , 118, 2644-2646	3.6 19
70	The effect of oxidation on the structure of styryl-substituted sexithiophenes: a resonance Raman spectroscopy and density functional theory study. <i>Journal of Chemical Physics</i> , 2006 , 124, 164501	3.9 15
69	Tuning from pi,pi to charge-transfer excited states in styryl-substituted terthiophenes: an ultrafast and steady-state emission study. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 7696-702	2.8 41
68	A flip-disorder in the structure of 3-[2-(anthracen-9-yl)ethenyl]thiophene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006 , 62, o5745-o5747	7
67	2,5-Bis(2-cyano-2-thienylvinyl)thiophene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006 , 62, o5931-o5932	6
66	Functionalized polythiophene-coated textile: A new anode material for a flexible battery. <i>Journal of Power Sources</i> , 2006 , 156, 610-614	8.9 59
65	Synthesis and characterization of novel styryl-substituted oligothiophenevinylenes. <i>Tetrahedron</i> , 2006 , 62, 2190-2199	2.4 17
64	A DFT study of the optical properties of substituted Zn(II)TPP complexes. <i>Computational and Theoretical Chemistry</i> , 2006 , 759, 17-24	67
63	Self-Assembled Porphyrin Arrays via Zinc-Nitrogen Coordination. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2005 , 53, 143-148	7
62	Towards processable polyether-functionalized poly(3-styrylterthiophenes). <i>Synthetic Metals</i> , 2005 , 154, 93-96	3.6 9
61	Towards functionalised terthiophene-based polymers. <i>Synthetic Metals</i> , 2005 , 154, 117-120	3.6 14
60	Structural and electronic properties of substituted terthiophenes. <i>Synthetic Metals</i> , 2005 , 154, 325-328	3.6 10
59	Investigation of the electropolymerisation of EDOT in ionic liquids. <i>Synthetic Metals</i> , 2005 , 153, 257-260	3.6 65

58	Experimental and Computational Studies of Substituted Terthiophene Oligomers as Electroluminescent Materials. <i>Synthetic Metals</i> , 2005 , 153, 225-228	3.6	6
57	Towards functionalized poly(terthiophenes): regioselective synthesis of oligoether-substituted bis(styryl)sexithiophenes. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 2008-15	3.9	17
56	The design and synthesis of porphyrin/oligothiophene hybrid monomers. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 2075-84	3.9	25
55	Efficient light harvesting by using green Zn-porphyrin-sensitized nanocrystalline TiO ₂ films. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 15397-409	3.4	405
54	Photoelectrochemical Cells Based on Inherently Conducting Polymers. <i>MRS Bulletin</i> , 2005 , 30, 46-49	3.2	14
53	Zn-porphyrin-sensitized nanocrystalline TiO ₂ heterojunction photovoltaic cells. <i>ChemPhysChem</i> , 2005 , 6, 1253-8	3.2	92
52	Spectroscopic and density functional theory study of functionalized thiopheneBenzene derivatives. <i>Journal of Raman Spectroscopy</i> , 2005 , 36, 445-452	2.3	6
51	The influence of the monomer and the ionic liquid on the electrochemical preparation of polythiophene. <i>Polymer</i> , 2005 , 46, 2047-2058	3.9	120
50	Characterization of the oxidation products of styryl-substituted terthiophenes and sexithiophenes using electronic absorption spectroscopy and time-dependent DFT. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 1961-73	2.8	20
49	Photoelectrochemical Solar Cells based on Polyterthiophenes Containing Porphyrins using Ionic Liquid Electrolyte. <i>Electrochemical and Solid-State Letters</i> , 2005 , 8, A528		16
48	Electrochemical synthesis of polypyrrole in ionic liquids. <i>Polymer</i> , 2004 , 45, 1447-1453	3.9	178
47	Porphyrins as light harvesters in the dye-sensitized TiO ₂ solar cell. <i>Coordination Chemistry Reviews</i> , 2004 , 248, 1363-1379	23.2	699
46	Photoelectrochemical cells based on a novel porphyrin containing light harvesting conducting copolymer. <i>Electrochimica Acta</i> , 2004 , 49, 329-337	6.7	31
45	Metallation effects on the thermal interconversion of atropisomers of di(orthomethylarene)-substituted porphyrins. <i>Dalton Transactions</i> , 2004 , 319-26	4.3	9
44	Application of metalloporphyrins in nanocrystalline dye-sensitized solar cells for conversion of sunlight into electricity. <i>Langmuir</i> , 2004 , 20, 6514-7	4	272
43	Toward functionalized conducting polymers: synthesis and characterization of novel beta-(styryl)terthiophenes. <i>Journal of Organic Chemistry</i> , 2003 , 68, 8974-83	4.2	63
42	Theoretical and Spectroscopic Study of a Series of Styryl-Substituted Terthiophenes. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 11505-11516	2.8	56
41	Functionalised poly(terthiophenes). <i>Synthetic Metals</i> , 2003 , 135-136, 97-98	3.6	13

40	Synthesis and polymerisation of fully conjugated polyether-substituted terthiophenes. <i>Synthetic Metals</i> , 2003 , 135-136, 103-104	3.6	5
39	Vibrational Spectra and Calculations on Substituted Terthiophenes. <i>Synthetic Metals</i> , 2003 , 137, 1367-1368		4
38	Photovoltaic devices based on poly(bis-terthiophenes) and substituted poly(bisterthiophene). <i>Synthetic Metals</i> , 2003 , 137, 1373-1374	3.6	11
37	Glassy Carbon Based Sensors. <i>Synthetic Metals</i> , 2003 , 137, 1429-1430	3.6	6
36	Preparation, characterisation and biosensor application of conducting polymers based on ferrocene substituted thiophene and terthiophene. <i>Electrochimica Acta</i> , 2002 , 47, 2715-2724	6.7	72
35	Energy transfer and structure determination of porphyrin dimers linked via a phenylenebisvinylene bridge: A time-resolved triplet electron paramagnetic resonance study. <i>Journal of Porphyrins and Phthalocyanines</i> , 2002 , 06, 578-592	1.8	1
34	Efficient synthesis of free-base 2-formyl-5,10,15,20-tetraarylporphyrins, their reduction and conversion to [(porphyrin-2-yl)methyl]phosphonium salts. <i>Journal of Porphyrins and Phthalocyanines</i> , 2002 , 06, 708-719	1.8	55
33	The synthesis of specifically metallated heterobimetallic dimeric porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2002 , 06, 720-736	1.8	5
32	Effect of electron withdrawing or donating substituents on the photovoltaic performance of polythiophenes. <i>Synthetic Metals</i> , 2002 , 128, 35-42	3.6	38
31	Terthiophene aldehyde and phosphonate: key building blocks for the synthesis of functionalised conducting polymers. <i>Tetrahedron Letters</i> , 2001 , 42, 8733-8735	2	29
30	The facile synthesis of functionalised pyridine complexes using a ruthenium building block. <i>Inorganica Chimica Acta</i> , 2001 , 313, 71-76	2.7	3
29	CHARACTERISATION OF CONDUCTING POLYMERS USING ION BEAM ANALYSIS. <i>Modern Physics Letters B</i> , 2001 , 15, 1411-1418	1.6	2
28	A pH-responsive hydroquinone-functionalised glassy carbon electrode. <i>Chemical Communications</i> , 2001 , 2628-2629	5.8	16
27	Photovoltaic devices based on polythiophenes and substituted polythiophenes. <i>Synthetic Metals</i> , 2001 , 123, 53-60	3.6	50
26	Photoelectrochemical cells based on polymers and copolymers from terthiophene and nitrostyrylterthiophene. <i>Synthetic Metals</i> , 2001 , 123, 225-237	3.6	39
25	Synthetic routes to multiporphyrin arrays. <i>Chemical Reviews</i> , 2001 , 101, 2751-96	68.1	385
24	Spectroscopic properties of porphyrin dimers incorporating phenylenevinylene linkers. <i>Journal of Porphyrins and Phthalocyanines</i> , 2000 , 04, 627-634	1.8	6
23	Bipyridineporphyrin conjugates with a conjugated connection. <i>Chemical Communications</i> , 2000 , 747-748	5.8	15

22	A convenient synthesis of trimeric porphyrins with systematically variable geometry. <i>Tetrahedron</i> , 1999 , 55, 2401-2418	2.4	12
21	The Supramolecular Assembly of Porphyrin Arrays. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1999 , 35, 185-190		5
20	Bis(ferrocenyl)porphyrins. Compounds with strong long-range metal-metal coupling. <i>Chemical Communications</i> , 1999 , 637-638	5.8	34
19	Synthesis, reactivity and spectroscopy of ferrocene-functionalised porphyrins, with a conjugated connection between the ferrocene and the porphyrin core. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 3349-3354		36
18	Controlling the Structure of Supramolecular Porphyrin Arrays. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 114-117	16.4	70
17	Functionalizing Porphyrins via Wittig Reactions: A Building Block Approach. <i>Synlett</i> , 1998 , 1998, 1297-1307		43
16	Synthesis, Characterization, Structure, Electrochemistry, and Spectroscopy of Porphyrins That Have a Conjugated Connection to Donor/Acceptor Groups. <i>Inorganic Chemistry</i> , 1997 , 36, 6270-6278	5.1	27
15	The synthesis of dimeric porphyrins linked by a ferrocene. <i>Tetrahedron Letters</i> , 1997 , 38, 1249-1252	2	43
14	Building large porphyrin arrays: pentamers and nonamers. <i>Chemical Communications</i> , 1996 , 1657	5.8	44
13	Ein Aldehydderivat von Tetraphenylporphyrin: ein neuer Baustein für Porphyrin-Oligomere. <i>Angewandte Chemie</i> , 1995 , 107, 986-988	3.6	6
12	Aldehyde-Appended Tetraphenylporphyrin: A New Building Block for Porphyrin Arrays. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 900-902		64
11	The synthesis of orbornadienes conjugatively linked to tetraphenylporphyrin and anthracene: towards a norbornadiene-derived molecular electronic device. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 1445		18
10	The synthesis of butadiene-bridged porphyrin dimers and styryl porphyrins using a porphyrin-derived Wittig reagent. <i>Tetrahedron Letters</i> , 1993 , 34, 8531-8534	2	48
9	Structure of methyl (E)-4-(3,4-dimethoxyphenyl)-3-phenyl-1-pyrazoline-3-carboxylate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1991 , 47, 2397-2400		0
8	A facile synthesis of spiroketals. <i>Tetrahedron Letters</i> , 1988 , 29, 3609-3612	2	14
7	Transfer technology II. Preparation of transfer reagents for the site specific delivery of disubstituted cyclobutadienes and their use in the synthesis of hetero bridged propellanes.. <i>Tetrahedron Letters</i> , 1987 , 28, 6507-6510	2	3
6	Studies in the cycloproparene series. The synthesis, trapping, and spectral characterization of 1H-cyclopropa[1]phenanthrene. <i>Journal of the American Chemical Society</i> , 1985 , 107, 7175-7176	16.4	13
5	The oxidative conversion of (E)-[Arylmethylene]benzeneacetates into substituted phenanthrenes: the propitious use of boron trifluoride with vanadium trifluoride oxide. <i>Australian Journal of Chemistry</i> , 1984 , 37, 2119	1.2	35

4	Studies in the cycloproparene series: Approaches to octahydrocyclopropa-[l]phenanthrenes. <i>Australian Journal of Chemistry</i> , 1983 , 36, 1291	1.2	6
3	Studies in the cycloproparene series: Halogenation and dehydrohalogenation of some 1a,9b-dihydrocyclopropa[l]phenanthrenes. <i>Australian Journal of Chemistry</i> , 1983 , 36, 1167	1.2	13
2	Dehydrohalogenation of endo- 1-chloro-1a, 9b-dihydrocyclopropa 11 phenanthrene. <i>Tetrahedron Letters</i> , 1981 , 22, 3687-3688	2	6
1	An attempted synthesis of the 5,6-Dihydrocyclobuta[l]phenanthrene system by a Thorpe cyclization. <i>Australian Journal of Chemistry</i> , 1978 , 31, 225	1.2	2