

David L Officer

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201
papers

8,404
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46
h-index

86
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213
ext. papers

9,017
ext. citations

6.4
avg, IF

5.77
L-index

#	Paper	IF	Citations
201	Porphyrins as light harvesters in the dye-sensitized TiO ₂ solar cell. <i>Coordination Chemistry Reviews</i> , 2004 , 248, 1363-1379	23.2	699
200	Highly Efficient Porphyrin Sensitizers for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11760-11762	3.8	651
199	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
198	Synthetic routes to multiporphyrin arrays. <i>Chemical Reviews</i> , 2001 , 101, 2751-96	68.1	385
197	Application of metalloporphyrins in nanocrystalline dye-sensitized solar cells for conversion of sunlight into electricity. <i>Langmuir</i> , 2004 , 20, 6514-7	4	272
196	A Single Component Conducting Polymer Hydrogel as a Scaffold for Tissue Engineering. <i>Advanced Functional Materials</i> , 2012 , 22, 2692-2699	15.6	231
195	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
194	Covalently linked biocompatible graphene/polycaprolactone composites for tissue engineering. <i>Carbon</i> , 2013 , 52, 296-304	10.4	193
193	Electrochemical synthesis of polypyrrole in ionic liquids. <i>Polymer</i> , 2004 , 45, 1447-1453	3.9	178
192	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
191	Processable conducting graphene/chitosan hydrogels for tissue engineering. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 481-490	7.3	146
190	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
189	Carbon nanotube/graphene nanocomposite as efficient counter electrodes in dye-sensitized solar cells. <i>Nanotechnology</i> , 2012 , 23, 085201	3.4	125
188	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
187	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
186	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
185	The origin of open circuit voltage of porphyrin-sensitized TiO ₂ solar cells. <i>Chemical Communications</i> , 2008 , 4741-3	5.8	95

184	Zn-porphyrin-sensitized nanocrystalline TiO ₂ heterojunction photovoltaic cells. <i>ChemPhysChem</i> , 2005 , 6, 1253-8	3.2	92
183	Ionic liquid electrolyte porphyrin dye sensitised solar cells. <i>Chemical Communications</i> , 2010 , 46, 3146-8	5.8	88
182	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
181	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
180	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
179	An erodible polythiophene-based composite for biomedical applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 5555		75
178	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
177	Controlling the Structure of Supramolecular Porphyrin Arrays. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 114-117	16.4	70
176	Understanding and Improving Solid-State Polymer/C ₆₀ -Fullerene Bulk-Heterojunction Solar Cells Using Ternary Porphyrin Blends. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 15415-15426	3.8	68
175	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
174	A DFT study of the optical properties of substituted Zn(II)TPP complexes. <i>Computational and Theoretical Chemistry</i> , 2006 , 759, 17-24		67
173	Investigation of the electropolymerisation of EDOT in ionic liquids. <i>Synthetic Metals</i> , 2005 , 153, 257-260	3.6	65
172	Aldehyde-Appended Tetraphenylporphyrin: A New Building Block for Porphyrin Arrays. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 900-902		64
171	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
170	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
169	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
168	Chemically converted graphene: scalable chemistries to enable processing and fabrication. <i>NPG Asia Materials</i> , 2015 , 7, e186-e186	10.3	57
167	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

166	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
165	Novel nanographene/porphyrin hybrids [preparation, characterization, and application in solar energy conversion schemes. <i>Chemical Science</i> , 2013 , 4, 3085	9.4	55
164	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
163	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
162	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
161	Direct exfoliation of graphite with a porphyrin--creating functionalizable nanographene hybrids. <i>Chemical Communications</i> , 2012 , 48, 8745-7	5.8	51
160	Photo-chemopropulsion--light-stimulated movement of microdroplets. <i>Advanced Materials</i> , 2014 , 26, 7339-45	24	50
159	Photovoltaic devices based on polythiophenes and substituted polythiophenes. <i>Synthetic Metals</i> , 2001 , 123, 53-60	3.6	50
158	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
157	Functionalised polyterthiophenes as anode materials in polymer/polymer batteries. <i>Synthetic Metals</i> , 2010 , 160, 76-82	3.6	48
156	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
155	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
154	Building large porphyrin arrays: pentamers and nonamers. <i>Chemical Communications</i> , 1996 , 1657	5.8	44
153	The synthesis of dimeric porphyrins linked by a ferrocene. <i>Tetrahedron Letters</i> , 1997 , 38, 1249-1252	2	43
152	Functionalizing Porphyrins via Wittig Reactions: A Building Block Approach. <i>Synlett</i> , 1998 , 1998, 1297-1302	2	43
151	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
150	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
149	Advanced Wearable Thermocells for Body Heat Harvesting. <i>Advanced Energy Materials</i> , 2020 , 10, 2002539	1.8	41

148	3D printable conducting hydrogels containing chemically converted graphene. <i>Nanoscale</i> , 2017 , 9, 2038-2050	2.7	39
147	Carbon nanohorns as integrative materials for efficient dye-sensitized solar cells. <i>Advanced Materials</i> , 2013 , 25, 6513-8	24	39
146	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
145	Photoelectrochemical cells based on polymers and copolymers from terthiophene and nitrostyrylterthiophene. <i>Synthetic Metals</i> , 2001 , 123, 225-237	3.6	39
144	Spectroscopic and computational study of ethynylphenylene substituted zinc and free-base porphyrins. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 1597-605	3.6	38
143	Linker conjugation effects in rhenium(I) bifunctional hole-transport/emitter molecules. <i>Chemistry - A European Journal</i> , 2009 , 15, 3682-90	4.8	38
142	Effect of electron withdrawing or donating substituents on the photovoltaic performance of polythiophenes. <i>Synthetic Metals</i> , 2002 , 128, 35-42	3.6	38
141	A bio-friendly, green route to processable, biocompatible graphene/polymer composites. <i>RSC Advances</i> , 2015 , 5, 45284-45290	3.7	37
140	The effect of reduced graphene oxide addition on the superconductivity of MgB ₂ . <i>Journal of Materials Chemistry</i> , 2012 , 22, 13941		37
139	A readily-prepared, convergent, oxygen reduction electrocatalyst. <i>Chemical Communications</i> , 2007 , 3353-53	5.8	36
138	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
137	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
136	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
135	Bis(ferrocenyl)porphyrins. Compounds with strong long-range metal-metal coupling. <i>Chemical Communications</i> , 1999 , 637-638	5.8	34
134	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
133	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
132	Processable 2D materials beyond graphene: MoS liquid crystals and fibres. <i>Nanoscale</i> , 2016 , 8, 16862-16867	6.7	32
131	A high energy density solar rechargeable redox battery. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3446-3452	5.2	32

130	Self-healing graphene oxide-based composite for electromagnetic interference shielding. <i>Carbon</i> , 2019 , 155, 499-505	10.4	31
129	Electrodeposition of pyrrole and 3-(4-tert-butylphenyl)thiophene copolymer for supercapacitor applications. <i>Synthetic Metals</i> , 2012 , 162, 2216-2221	3.6	31
128	Photoelectrochemical cells based on a novel porphyrin containing light harvesting conducting copolymer. <i>Electrochimica Acta</i> , 2004 , 49, 329-337	6.7	31
127	Remarkable synergistic effects in a mixed porphyrin dye-sensitized TiO ₂ film. <i>Applied Physics Letters</i> , 2011 , 98, 163502	3.4	29
126	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
125	Terthiophene aldehyde and phosphonate: key building blocks for the synthesis of functionalised conducting polymers. <i>Tetrahedron Letters</i> , 2001 , 42, 8733-8735	2	29
124	Silicon as a ubiquitous contaminant in graphene derivatives with significant impact on device performance. <i>Nature Communications</i> , 2018 , 9, 5070	17.4	28
123	Design and engineering of water-soluble light-harvesting protein maquettes. <i>Chemical Science</i> , 2017 , 8, 316-324	9.4	27
122	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
121	Indanedione-Substituted Poly(terthiophene)s: Processable Conducting Polymers with Intramolecular Charge Transfer Interactions. <i>Macromolecules</i> , 2010 , 43, 3817-3827	5.5	26
120	Fabrication of 3D structures from graphene-based biocomposites. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3462-3482	7.3	25
119	The design and synthesis of porphyrin/oligothiophene hybrid monomers. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 2075-84	3.9	25
118	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
117	Moving Droplets in 3D Using Light. <i>Advanced Materials</i> , 2018 , 30, e1801821	2.4	23
116	Anhydrous organic dispersions of highly reduced chemically converted graphene. <i>Carbon</i> , 2014 , 76, 368-374	3.7	23
115	Extending the porphyrin core: synthesis and photophysical characterization of porphyrins with conjugated substituents. <i>New Journal of Chemistry</i> , 2008 , 32, 166-178	3.6	23
114	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
113	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

112	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
111	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
110	Towards Hydrogen Energy: Progress on Catalysts for Water Splitting. <i>Australian Journal of Chemistry</i> , 2012 , 65, 577	1.2	19
109	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
108	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
107	Porphyrin dye-sensitized solar cells utilising a solid-state electrolyte. <i>Chemical Communications</i> , 2011 , 47, 9327-9	5.8	18
106	Resonance Raman studies of beta-substituted porphyrin systems with unusual electronic absorption properties. <i>ChemPhysChem</i> , 2006 , 7, 2358-65	3.2	18
105	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
104	Electrically Induced Disassembly of Electroactive Multilayer Films Fabricated from Water Soluble Polythiophenes. <i>Advanced Functional Materials</i> , 2012 , 22, 5020-5027	15.6	17
103	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
102	Synthesis and characterization of novel styryl-substituted oligothiophenevinylenes. <i>Tetrahedron</i> , 2006 , 62, 2190-2199	2.4	17
101	Extrusion Printed Graphene/Polycaprolactone/Composites for Tissue Engineering. <i>Materials Science Forum</i> , 2013 , 773-774, 496-502	0.4	16
100	Electrochemically Induced Synthesis of Poly(2,6-carbazole). <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1749-55	4.8	16
99	Photoelectrochemical Solar Cells based on Polyterthiophenes Containing Porphyrins using Ionic Liquid Electrolyte. <i>Electrochemical and Solid-State Letters</i> , 2005 , 8, A528		16
98	A pH-responsive hydroquinone-functionalised glassy carbon electrode. <i>Chemical Communications</i> , 2001 , 2628-2629	5.8	16
97	An alternative synthesis of pyrrolic acetylene-substituted porphyrins. <i>Tetrahedron Letters</i> , 2008 , 49, 5632-5635	2	15
96	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
95	Bipyridineporphyrin conjugates with a conjugated connection. <i>Chemical Communications</i> , 2000 , 747-748	5.8	15

94	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
93	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
92	Towards functionalised terthiophene-based polymers. <i>Synthetic Metals</i> , 2005 , 154, 117-120	3.6	14
91	Photoelectrochemical Cells Based on Inherently Conducting Polymers. <i>MRS Bulletin</i> , 2005 , 30, 46-49	3.2	14
90	A facile synthesis of spiroketals. <i>Tetrahedron Letters</i> , 1988 , 29, 3609-3612	2	14
89	In vitro growth and differentiation of primary myoblasts on thiophene based conducting polymers. <i>Biomaterials Science</i> , 2013 , 1, 983-995	7.4	13
88	Electrotactic ionic liquid droplets. <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 1069-1075	8.5	13
87	Why Do Some Alkoxybromothiophenes Spontaneously Polymerize?. <i>Australian Journal of Chemistry</i> , 2011 , 64, 335	1.2	13
86	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
85	Novel fullerene-functionalised poly(terthiophenes). <i>Journal of Electroanalytical Chemistry</i> , 2007 , 599, 79-84	4.1	13
84	Functionalised poly(terthiophenes). <i>Synthetic Metals</i> , 2003 , 135-136, 97-98	3.6	13
83	Studies in the cycloproparene series: Halogenation and dehydrohalogenation of some 1a,9b-dihydrocyclopropa[<i>l</i>]phenanthrenes. <i>Australian Journal of Chemistry</i> , 1983 , 36, 1167	1.2	13
82	Studies in the cycloproparene series. The synthesis, trapping, and spectral characterization of 1H-cyclopropa[<i>l</i>]phenanthrene. <i>Journal of the American Chemical Society</i> , 1985 , 107, 7175-7176	16.4	13
81	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
80	A merocyanine-based conductive polymer. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 3913	7.1	12
79	A study of TiO ₂ binder-free paste prepared for low temperature dye-sensitized solar cells. <i>Journal of Materials Research</i> , 2013 , 28, 488-496	2.5	12
78	A modular procedure for the synthesis of functionalised μ -substituted terthiophene monomers for conducting polymer applications. <i>Tetrahedron</i> , 2007 , 63, 11141-11152	2.4	12
77	A convenient synthesis of trimeric porphyrins with systematically variable geometry. <i>Tetrahedron</i> , 1999 , 55, 2401-2418	2.4	12

76	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
75	Electrochemical and photoelectronic studies on C60-pyrrolidine-functionalised poly(terthiophene). <i>Electrochimica Acta</i> , 2014 , 141, 51-60	6.7	11
74	A Porphyrin-Doped Polymer Catalyzes Selective, Light-Assisted Water Oxidation in Seawater. <i>Angewandte Chemie</i> , 2012 , 124, 1943-1946	3.6	11
73	Physicochemical study of spiropyran-terthiophene derivatives: photochemistry and thermodynamics. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 9112-20	3.6	11
72	Photovoltaic devices based on poly(bis-terthiophenes) and substituted poly(bisterthiophene). <i>Synthetic Metals</i> , 2003 , 137, 1373-1374	3.6	11
71	Porous PNIPAm hydrogels: Overcoming diffusion-governed hydrogel actuation. <i>Sensors and Actuators A: Physical</i> , 2020 , 301, 111784	3.9	11
70	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
69	Structural and electronic properties of substituted terthiophenes. <i>Synthetic Metals</i> , 2005 , 154, 325-328	3.6	10
68	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
67	Synthesis and Characterization of Covalently Linked Graphene/Chitosan Composites. <i>Jom</i> , 2016 , 68, 384-390	3.9	9
66	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
65	Zinc-porphyrin phosphonate coordination: structural control through a zinc phosphoryl-oxygen interaction. <i>Inorganic Chemistry</i> , 2007 , 46, 4781-3	5.1	9
64	Towards processable polyether-functionalized poly(3-ethylterthiophenes). <i>Synthetic Metals</i> , 2005 , 154, 93-96	3.6	9
63	Metallation effects on the thermal interconversion of atropisomers of di(orthomethylarene)-substituted porphyrins. <i>Dalton Transactions</i> , 2004 , 319-26	4.3	9
62	Electrochemical and optical aspects of cobalt meso-carbazole substituted porphyrin complexes. <i>Electrochimica Acta</i> , 2020 , 330, 135140	6.7	9
61	Choosing the right nanoparticle size Designing novel ZnO electrode architectures for efficient dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7516-7522	13	8
60	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
59	Flexible Tuning of Unsaturated β -Substituents on Zn Porphyrins: A Synthetic, Spectroscopic and Computational Study. <i>Chemistry - A European Journal</i> , 2015 , 21, 15622-32	4.8	8

58	Raman spectroscopy of short-lived terthiophene radical cations generated by photochemical and chemical oxidation. <i>ChemPhysChem</i> , 2006 , 7, 1276-85	3.2	8
57	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
56	Functionalising carbon nanotubes. <i>International Journal of Nanotechnology</i> , 2008 , 5, 331	1.5	7
55	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
54	Electrodeposition and characterisation of polypyrroles containing sulfonated carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 3487-94	1.3	7
53	Self-Assembled Porphyrin Arrays via Zinc-Nitrogen Coordination. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2005 , 53, 143-148		7
52	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
51	A versatile binder-free TiO ₂ paste for dye-sensitized solar cells. <i>RSC Advances</i> , 2015 , 5, 29513-29523	3.7	6
50	Aldehyde isomers of porphyrin: A spectroscopic and computational study. <i>Journal of Molecular Structure</i> , 2018 , 1173, 665-670	3.4	6
49	Electronic studies on oligothiophenevinylenes: understanding the nature of their ground and excited electronic states. <i>ChemPhysChem</i> , 2009 , 10, 1901-10	3.2	6
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