

Peter J Skabara

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1109888/peter-j-skabara-publications-by-citations.pdf>

Version: 2024-04-23

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.

209
papers

6,019
citations

43
h-index

65
g-index

247
ext. papers

6,554
ext. citations

6.6
avg, IF

5.63
L-index

#	Paper	IF	Citations
209	Star-shaped pi-conjugated oligomers and their applications in organic electronics and photonics. <i>Chemical Society Reviews</i> , 2010 , 39, 2695-728	58.5	302
208	Regioregular poly(3-hexyl)selenophene: a low band gap organic hole transporting polymer. <i>Chemical Communications</i> , 2007 , 5061-3	5.8	298
207	Synthesis and properties of monodisperse oligofluorene-functionalized truxenes: highly fluorescent star-shaped architectures. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13695-702	16.4	267
206	Salts of extended tetrathiafulvalene analogues: relationships between molecular structure, electrochemical properties and solid state organisation. <i>Chemical Society Reviews</i> , 2005 , 34, 69-98	58.5	159
205	Thiophene and Selenophene Copolymers Incorporating Fluorinated Phenylene Units in the Main Chain: Synthesis, Characterization, and Application in Organic Field-Effect Transistors. <i>Chemistry of Materials</i> , 2005 , 17, 6567-6578	9.6	145
204	Self-assembly of luminescent ternary complexes between seven-coordinate lanthanide(III) complexes and chromophore bearing carboxylates and phosphonates. <i>Dalton Transactions</i> , 2006 , 2907-12 ³	4.3	101
203	An organic down-converting material for white-light emission from hybrid LEDs. <i>Advanced Materials</i> , 2014 , 26, 7290-4	24	95
202	An Ambipolar BODIPY Derivative for a White Exciplex OLED and Cholesteric Liquid Crystal Laser toward Multifunctional Devices. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4750-4757	9.5	91
201	Low-threshold organic laser based on an oligofluorene truxene with low optical losses. <i>Applied Physics Letters</i> , 2009 , 94, 243304	3.4	89
200	The first direct experimental comparison between the hugely contrasting properties of PEDOT and the all-sulfur analogue PEDTT by analogy with well-defined EDTT:DOT copolymers. <i>Journal of Materials Chemistry</i> , 2005 , 15, 4783		82
199	Nanoimprinted organic semiconductor laser pumped by a light-emitting diode. <i>Advanced Materials</i> , 2013 , 25, 2826-30	24	81
198	Interaction between tetrathiafulvalene carboxylic acid and ytterbium DO3A: solution state self-assembly of a ternary complex which is luminescent in the near IR. <i>Chemical Communications</i> , 2002 , 1668-9	5.8	80
197	Electrochemical synthesis of ammonia based on doped-ceria-carbonate composite electrolyte and perovskite cathode. <i>Solid State Ionics</i> , 2011 , 201, 94-100	3.3	79
196	A one-step synthesis of cadmium selenide quantum dots from a novel single source precursor. <i>Chemical Communications</i> , 2003 , 1454-5	5.8	79
195	Conducting nanofibers and organogels derived from the self-assembly of tetrathiafulvalene-appended dipeptides. <i>Langmuir</i> , 2014 , 30, 12429-37	4	76
194	The damaging effects of the acidity in PEDOT:PSS on semiconductor device performance and solutions based on non-acidic alternatives. <i>Materials Horizons</i> , 2020 , 7, 1759-1772	14.4	65
193	The synthesis, X-ray structures and CVD studies of some group 11 complexes of iminobis(diisopropylphosphine selenides) and their use in the deposition of I/III/VI photovoltaic materials. <i>Journal of Materials Chemistry</i> , 2004 , 14, 233		62

192	To bend or not to bend are heteroatom interactions within conjugated molecules effective in dictating conformation and planarity?. <i>Materials Horizons</i> , 2016 , 3, 333-339	14.4	62
191	Location, Location, Location - Strategic Positioning of 2,1,3-Benzothiadiazole Units within Trigonal Quaterfluorene-Truxene Star-Shaped Structures. <i>Advanced Functional Materials</i> , 2013 , 23, 2792-2804	15.6	60
190	Further evidence for spontaneous solid-state polymerisation reactions in 2,5-dibromothiophene derivatives. <i>Journal of Materials Chemistry</i> , 2003 , 13, 2075		60
189	A single emitting layer white OLED based on exciplex interface emission. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 3851-3856	7.1	60
188	Linearly extended tetrathiafulvalene analogues with fused thiophene units as π -conjugated spacers. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1324-1332		59
187	Advantageous 3D Ordering of π -Conjugated Systems: A New Approach Towards Efficient Charge Transport in any Direction. <i>Advanced Materials</i> , 2007 , 19, 4438-4442	24	58
186	Hexyl-substituted oligothiophenes with a central tetrafluorophenylene unit: crystal engineering of planar structures for p-type organic semiconductors. <i>Chemical Communications</i> , 2005 , 1465-7	5.8	58
185	New Redox Stable Low Band Gap Conjugated Polymer Based on an EDOTBODIPYEDOT Repeat Unit. <i>Chemistry of Materials</i> , 2009 , 21, 1784-1786	9.6	56
184	Pronounced electrochemical amphotericity of a fused donor-acceptor compound: a planar merge of TTF with a TCNQ-type bithienoquinoxaline. <i>Chemistry - A European Journal</i> , 2009 , 15, 63-6	4.8	54
183	Incorporation of fused tetrathiafulvalenes (TTFs) into polythiophene architectures: varying the electroactive dominance of the TTF species in hybrid systems. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 3140-52	3.4	54
182	Flexible blue-emitting encapsulated organic semiconductor DFB laser. <i>Optics Express</i> , 2010 , 18, 25535-45.3		53
181	Conjugated microporous networks on the basis of 2,3,5,6-tetraarylated diketopyrrolo[3,4-c]pyrrole. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 825-30	4.8	52
180	Reaction of thiones with dihalogens; comparison of the solid state structures of 4,5-bis(methylsulfanyl)-1,3-dithiole-2-thione diiodine, dibromine and iodine monobromide. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 3007-3014		50
179	New functionalized tetrathiafulvalenes: X-ray crystal structures and physico-chemical properties of TTF π (O)NMe ₂ and TTF π (O)D ₂ H ₉ : a joint experimental and theoretical study. <i>Journal of Materials Chemistry</i> , 1995 , 5, 1689-1696		50
178	BODIPY-based conjugated polymers for broadband light sensing and harvesting applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14119		49
177	Electrochromic properties of a fast switching, dual colour polythiophene bearing non-planar dithienoquinoxaline units. <i>Journal of Materials Chemistry</i> , 2007 , 17, 225-231		49
176	Poly(3,4-ethylenediselena)thiophene The Selenium Equivalent of PEDOT. <i>Chemistry of Materials</i> , 2007 , 19, 301-307	9.6	48
175	Functionalised oligoenes with unusual topologies: synthesis, electrochemistry and structural studies on redox-active. <i>Chemistry - A European Journal</i> , 2000 , 6, 1955-62	4.8	48

174	Covalently attached ferrocene and tetrathiafulvalene redox systems. <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 417		47
173	LED pumped polymer laser sensor for explosives. <i>Laser and Photonics Reviews</i> , 2013 , 7, L71-L76	8.3	46
172	Broadly tunable deep blue laser based on a star-shaped oligofluorene truxene. <i>Synthetic Metals</i> , 2010 , 160, 1397-1400	3.6	46
171	Novel Fast Color-Converter for Visible Light Communication Using a Blend of Conjugated Polymers. <i>ACS Photonics</i> , 2015 , 2, 194-199	6.3	45
170	Electrochemical synthesis of ammonia from N ₂ and H ₂ O based on (Li,Na,K) ₂ CO ₃ /Te _{0.8} Gd _{0.18} Ca _{0.02} O ₂ composite electrolyte and CoFe ₂ O ₄ cathode. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 4322-4330	6.7	45
169	Electrochemistry, spectroscopy, and electrogenerated chemiluminescence of some star-shaped truxene-oligofluorene compounds. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 6612-9	3.4	45
168	The electroactivity of tetrathiafulvalene vs. polythiophene: synthesis and characterisation of a fused thieno[3,4-b]TF polymer. <i>Journal of Materials Chemistry</i> , 2004 , 14, 1964-1969		45
167	Fully spray-coated organic solar cells on woven polyester cotton fabrics for wearable energy harvesting applications. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5561-5568	13	42
166	1,4-Dithiafulvene-substituted ferrocenes and their conversion into extended tetrathiafulvalene electron donors: synthetic, electrochemical and X-ray structural studies. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1997 , 3443-3450		42
165	Structural and Electronic Effects of 1,3,4-Thiadiazole Units Incorporated into Polythiophene Chains. <i>Macromolecules</i> , 2007 , 40, 6585-6593	5.5	42
164	Well-defined and monodisperse linear and star-shaped quaterfluorene-DPP molecules: the significance of conjugation and dimensionality. <i>Advanced Materials</i> , 2011 , 23, 2093-7	24	39
163	Strong π -electron donors based on a self-rigidified 2,2'-bi(3,4-ethylenedioxy)thiophene-tetrathiafulvalene hybrid π -conjugated system. <i>Tetrahedron Letters</i> , 2003 , 44, 649-652	2	38
162	Novel Terthiophene and Bis(thienyl)furan Derivatives as Precursors to Highly Electroactive Polymers. <i>Journal of Organic Chemistry</i> , 1999 , 64, 6418-6424	4.2	38
161	Star-shaped fluorene-BODIPY oligomers: versatile donor-acceptor systems for luminescent solar concentrators. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1952-1962	7.1	37
160	Incorporation of fused tetrathiafulvalene units in a DPP-terthiophene copolymer for air stable solution processable organic field effect transistors. <i>Journal of Materials Chemistry</i> , 2012 , 22, 11310		37
159	Laser action in a surface-structured free-standing membrane based on a π -conjugated polymer-composite. <i>Organic Electronics</i> , 2011 , 12, 62-69	3.5	37
158	Optical excitations in star-shaped fluorene molecules. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 2913-92.8		36
157	The synthesis of 4,4'-(5')-diformyltetrathiafulvalene. <i>Tetrahedron Letters</i> , 1994 , 35, 9243-9246	2	36

156	Fluorescent Red-Emitting BODIPY Oligofluorene Star-Shaped Molecules as a Color Converter Material for Visible Light Communications. <i>Advanced Optical Materials</i> , 2015 , 3, 536-540	8.1	35
155	Synthesis and Electropolymerization of Hexadecyl Functionalized Bithiophene and Thieno[3,2-b]thiophene End-Capped with EDOT and EDTT Units. <i>Chemistry of Materials</i> , 2010 , 22, 3000-3008	9.6	35
154	Synthesis and electropolymerisation of 3,4-bis(alkylsulfanyl)terthiophenes and the significance of the fused dithiin ring in 2,5-dithienyl-3,4-ethylenedithiophene (DT-EDTT). <i>Journal of Materials Chemistry</i> , 2002 , 12, 500-510		35
153	Toward Controlled Donor-Acceptor Interactions in Noncomposite Polymeric Materials: Synthesis and Characterization of a Novel Polythiophene Incorporating π -Conjugated 1,3-Dithiole-2-ylidene-fluorene Units as Strong π -A Components. <i>Macromolecules</i> , 2001 , 34, 2232-2241	5.5	34
152	Electronic and molecular structures of trigonal truxene-core systems conjugated to peripheral fluorene branches. Spectroscopic and theoretical study. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 4026-4035	3.4	33
151	Impedance spectroscopy of OLEDs as a tool for estimating mobility and the concentration of charge carriers in transport layers. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1008-1014	7.1	32
150	High brightness solution-processed OLEDs employing linear, small molecule emitters. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 3774-3780	7.1	32
149	Effect of exciton self-trapping and molecular conformation on photophysical properties of oligofluorenes. <i>Journal of Chemical Physics</i> , 2009 , 131, 154906	3.9	32
148	Dynamics of fluorescence depolarisation in star-shaped oligofluorene-truxene molecules. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 9176-84	3.6	31
147	Donor-Acceptor Conjugated Polymers Based on p- and o-Benzodifuranone and Thiophene Derivatives: Electrochemical Preparation and Optical and Electronic Properties. <i>Macromolecules</i> , 2012 , 45, 743-750	5.5	31
146	The development of an electropolymerisable unit for TTF-thiophene fused monomers. <i>Chemical Communications</i> , 2000 , 1005-1006	5.8	31
145	An iminodibenzyl-quinoxaline-iminodibenzyl scaffold as a mechanochromic and dual emitter: donor and bridge effects on optical properties. <i>Chemical Communications</i> , 2018 , 54, 13857-13860	5.8	29
144	The role of structural and electronic factors in shaping the ambipolar properties of donor-Acceptor polymers of thiophene and benzothiadiazole. <i>RSC Advances</i> , 2015 , 5, 77303-77315	3.7	28
143	Hybrid GaN/organic microstructured light-emitting devices via ink-jet printing. <i>Optics Express</i> , 2009 , 17, 16436-43	3.3	28
142	Fluorene functionalised sexithiophenes—utilising intramolecular charge transfer to extend the photocurrent spectrum in organic solar cells. <i>Journal of Materials Chemistry</i> , 2007 , 17, 1055-1062		28
141	An organic semiconductor laser based on star-shaped truxene-core oligomers for refractive index sensing. <i>Sensors and Actuators B: Chemical</i> , 2013 , 185, 132-139	8.5	27
140	Nanoimprinted polymer lasers with threshold below 100 W/cm ² using mixed-order distributed feedback resonators. <i>Optics Express</i> , 2013 , 21, 14362-7	3.3	27
139	The synthesis, redox properties and X-ray crystal structures of two new tetrathiafulvalene-thiophene donors. <i>Journal of Materials Chemistry</i> , 1998 , 8, 1719-1724		27

138	A new family of conjugated metallopolymers from electropolymerised bis[(terthiophene)dithiolene] complexes. <i>Chemical Communications</i> , 2002 , 2408-9	5.8	27
137	Chirality induction using circularly polarized light into a branched oligofluorene derivative in the presence of an achiral aid molecule. <i>Chemical Communications</i> , 2016 , 52, 1919-22	5.8	26
136	Self-assembly and charge transport properties of a benzobisthiazole end-capped with dihexyl thienothiophene units. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2091-2097		26
135	Low-Threshold Nanoimprinted Lasers Using Substructured Gratings for Control of Distributed Feedback. <i>Advanced Optical Materials</i> , 2013 , 1, 563-566	8.1	25
134	Electrochemical Polymerisation of N-Arylated and N-Alkylated EDOT-Substituted Pyrrolo[3,4-c]pyrrole-1,4-dione (DPP) Derivatives: Influence of Substitution Pattern on Optical and Electronic Properties. <i>Macromolecular Rapid Communications</i> , 2009 , 30, 1834-40	4.8	25
133	Cross-linked polymers based on 2,3,5,6-tetra-substituted pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione (DPP): Synthesis, optical and electronic properties. <i>Polymer</i> , 2010 , 51, 6107-6114	3.9	25
132	Synthesis and electropolymerisation of thiophene functionalised fluorenes. <i>Synthetic Metals</i> , 1999 , 102, 1336-1337	3.6	25
131	Highly efficient electrogenerated chemiluminescence of an oligofluorene-truxene star-shaped compound incorporating 2,1,3-benzothiadiazole units. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1166-1171	7.7	24
130	Synthesis and properties of end-capped sexithiophenes incorporating the ethylene dithiophene unit. <i>Journal of Materials Chemistry</i> , 2005 , 15, 1446		24
129	Spectroelectrochemistry of poly(ethylenedithiathiophene)--the sulfur analogue of poly(ethylenedioxythiophene). <i>Journal of Physical Chemistry B</i> , 2006 , 110, 2662-7	3.4	24
128	The development of sensors for volatile nitro-containing compounds as models for explosives detection. <i>Sensors and Actuators B: Chemical</i> , 2013 , 176, 534-542	8.5	23
127	Oligothiophene cruciform with a germanium spiro center: a promising material for organic photovoltaics. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4562-7	16.4	23
126	Direct Laser Writing of Nanosized Oligofluorene Truxenes in UV-Transparent Photoresist Microstructures. <i>Advanced Materials</i> , 2009 , 21, 781-785	24	23
125	An oligofluorene truxene based distributed feedback laser for biosensing applications. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 679-86	11.8	22
124	Hexyl-Substituted Oligoselenophenes with Central Tetrafluorophenylene Units: Synthesis, Characterisation and Application in Organic Field Effect Transistors. <i>Macromolecular Rapid Communications</i> , 2008 , 29, 1839-1843	4.8	22
123	Cool to warm white light emission from hybrid inorganic/organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 11499-11507	7.1	22
122	Observation of Dual Room Temperature Fluorescence/Phosphorescence in Air, in the Crystal Form of a Thianthrene Derivative. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 24958-24966	3.8	22
121	Multifunctional asymmetric D-A-D π compounds: Mechanochromic luminescence, thermally activated delayed fluorescence and aggregation enhanced emission. <i>Chemical Engineering Journal</i> , 2020 , 401, 125962	14.7	21

120	Polythiophene and oligothiophene systems modified by TTF electroactive units for organic electronics. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 1749-66	2.5	21
119	Structural and magnetic properties of a novel ferrocenyl-diiodine charge transfer complex. <i>Inorganic Chemistry</i> , 2003 , 42, 3975-7	5.1	21
118	RGB and white-emitting organic lasers on flexible glass. <i>Optics Express</i> , 2016 , 24, 2273-80	3.3	20
117	Solution processable diketopyrrolopyrrole (DPP) cored small molecules with BODIPY end groups as novel donors for organic solar cells. <i>Beilstein Journal of Organic Chemistry</i> , 2014 , 10, 2683-95	2.5	20
116	Electron acceptors of the fluorene series. Part 8.1 Electrochemical and intramolecular charge transfer studies of thiophene functionalised fluorenes. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999 , 505-514		20
115	Laser characteristics of a family of benzene-cored star-shaped oligofluorenes. <i>Semiconductor Science and Technology</i> , 2012 , 27, 094005	1.8	19
114	The Design and Synthesis of a Novel TTF-Thiophene Monomer. <i>Synthetic Metals</i> , 1997 , 84, 345-346	3.6	19
113	Novel dithiolenes incorporating conjugated electroactive ligands. <i>Dalton Transactions</i> , 2008 , 3070-9	4.3	19
112	Synthesis of an end-capped sexithiophene bearing fused tetrathiafulvalene (TTF) units. <i>Organic Letters</i> , 2007 , 9, 1601-4	6.2	19
111	Crystal engineering towards highly ordered polymeric structures of 1,3-dithiole-2-thione-halogen adducts. <i>Dalton Transactions RSC</i> , 2000 , 3235-3236		19
110	Chalcogenation of tetrathiafulvalene (TTF): synthesis of alkylthio-TTF and alkylseleno-TTF derivatives and X-ray crystal structure of ethylenediseleno TTF (EDS-TTF). <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993 , 1403		19
109	Influence of optical material properties on strong coupling in organic semiconductor based microcavities. <i>Applied Physics Letters</i> , 2017 , 110, 153302	3.4	18
108	Ultralow-threshold up-converted lasing in oligofluorenes with tailored strong nonlinear absorption. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 12018-12025	7.1	18
107	Linear oligofluorene-BODIPY structures for fluorescence applications. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 2249	7.1	18
106	Highly-photostable and mechanically flexible all-organic semiconductor lasers. <i>Optical Materials Express</i> , 2013 , 3, 584	2.6	18
105	An Air-Stable DPP-thieno-TTF Copolymer for Single-Material Solar Cell Devices and Field Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 27999-8005	9.5	17
104	Design of Linear and Star-Shaped Macromolecular Organic Semiconductors for Photonic Applications. <i>Accounts of Chemical Research</i> , 2019 , 52, 1665-1674	24.3	16
103	Electronic, redox and charge transport properties of an unusual hybrid structure: a bis(septithiophene) bridged by a fused tetrathiafulvalene (TTF). <i>Journal of Materials Chemistry</i> , 2011 , 21, 1462-1469		16

102	Miniature humidity micro-sensor based on organic conductive polymer π -poly(3,4-ethylenedioxythiophene). <i>Micro and Nano Letters</i> , 2009 , 4, 84-87	0.9	16
101	Controlling the conformational changes in donor-acceptor [4]-dendralenes through intramolecular charge-transfer processes. <i>Chemistry - A European Journal</i> , 2009 , 15, 11581-93	4.8	16
100	A new series of π -extended tetrathiafulvalene derivatives incorporating fused furanodithiino and thienodithiino units: a joint experimental and theoretical study. <i>Journal of Materials Chemistry</i> , 2004 , 14, 2822-2830		16
99	Implementing fluorescent MOFs as down-converting layers in hybrid light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2394-2400	7.1	15
98	Donor-Acceptor 1,2,4,5-Tetrazines Prepared by the Buchwald-Hartwig Cross-Coupling Reaction and Their Photoluminescence Turn-On Property by Inverse Electron Demand Diels-Alder Reaction. <i>Journal of Organic Chemistry</i> , 2020 , 85, 3407-3416	4.2	15
97	Amplified spontaneous emission in free-standing membranes incorporating star-shaped monodisperse π -conjugated truxene oligomers. <i>Journal of Optics (United Kingdom)</i> , 2010 , 12, 035503	1.7	15
96	Redox doping behaviour of poly(3,4-ethylenedithiophene) π -The counterion effect. <i>Optical Materials</i> , 2011 , 33, 1405-1409	3.3	15
95	Multi-colour electrochromic materials based on polyaromatic esters with low driving voltage. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 9467-9473	7.1	14
94	Novel 4,8-benzobisthiazole copolymers and their field-effect transistor and photovoltaic applications. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 11927-11936	7.1	14
93	Synthesis and properties of alkynethiolate gold(I) complexes. <i>Dalton Transactions</i> , 2007 , 5329-38	4.3	14
92	A combined substituent and supramolecular approach for improving the electron donor properties of 1,3-dithiole-2-thione derivatives. <i>Journal of Materials Chemistry</i> , 2003 , 13, 2490-2498		14
91	Highly nonlinear transport across single-molecule junctions via destructive quantum interference. <i>Nature Nanotechnology</i> , 2021 , 16, 313-317	28.7	14
90	Electrochromic properties of a poly(dithienylfuran) derivative featuring a redox-active dithiino unit. <i>Polymer Chemistry</i> , 2012 , 3, 2277	4.9	13
89	Synthesis and characterisation of new diindenodithienothiophene (DITT) based materials. <i>Journal of Materials Chemistry</i> , 2010 , 20, 1112-1116		13
88	Electrochemical, Spectroelectrochemical, and Comparative Studies of Novel Organic Conjugated Monomers and Polymers Featuring the Redox-Active Unit Tetrathianaphthalene. <i>Macromolecules</i> , 2009 , 42, 2570-2580	5.5	13
87	Self-assembly of halogen adducts of ester and carboxylic acid functionalised 1,3-dithiole-2-thiones. <i>Polyhedron</i> , 2006 , 25, 989-995	2.7	13
86	Colour tuning in white hybrid inorganic/organic light-emitting diodes. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 405103	3	13
85	Noncovalent Close Contacts in Fluorinated Thiophene π -Phenylene π -Thiophene Conjugated Units: Understanding the Nature and Dominance of O \cdots H versus S \cdots F and O \cdots F Interactions with Respect to the Control of Polymer Conformation. <i>Chemistry of Materials</i> , 2019 , 31, 7070-7079	9.6	12

84	Charge transport in a two-dimensional molecular organic semiconductor. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 34-39	7.1	12
83	Probing the conformational changes upon oxidation in cross-conjugated architectures featuring vinyllogous TTF units. <i>Tetrahedron Letters</i> , 2005 , 46, 7871-7875	2	12
82	Intermolecular interactions in molecular crystals and their effect on thermally activated delayed fluorescence of helicene-based emitters. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 10557-10568	7.1	12
81	A saturated red color converter for visible light communication using a blend of star-shaped organic semiconductors. <i>Applied Physics Letters</i> , 2017 , 110, 013302	3.4	11
80	Side-Chain Influence on the Mass Density and Refractive Index of Polyfluorenes and Star-Shaped Oligofluorene Truxenes. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 22102-22107	3.8	11
79	Fused H-shaped tetrathiafulvalene oligothiophenes as charge transport materials for OFETs and OPVs. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 2674-2683	7.1	11
78	Tetrathiafulvalene chemistry. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 1528-9	2.5	11
77	Synthesis of new mono-functionalised tetrathiafulvalene derivatives by reactions of tetrathiafulvalenyllithium with aldehydes and ketones: X-ray crystal structures of TTF-CMe(OH)Fc, TTF-CMe(OMe)Fc and TTF-CH(OMe)TTF (Fc = ferrocenyl). <i>Tetrahedron</i> , 1997 , 53, 17781-17794	2.4	11
76	Diiodine complex of diferrocenyl(phenyl)phosphine sulfide: the structural and electrochemical behaviour of Fc ₂ (Ph)PS I ₂ . <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 328-332	2.3	11
75	Synthesis and solvatochromism of some dipolar aryl-phosphonium and -phosphine oxide systems. <i>Journal of Organometallic Chemistry</i> , 2000 , 601, 293-298	2.3	11
74	Polyterthiophenes Incorporating 3,4-Difluorothiophene Units: Application in Organic Field-Effect Transistors. <i>Macromolecular Chemistry and Physics</i> , 2010 , 211, 2642-2648	2.6	10
73	Supramolecular polymers of 4,5-bis(bromomethyl)-1,3-dithiole-2-thione-dihalogen adducts. <i>CrystEngComm</i> , 2004 , 6, 612	3.3	10
72	BODIPY star-shaped molecules as solid state colour converters for visible light communications. <i>Applied Physics Letters</i> , 2016 , 109, 013302	3.4	10
71	Tetrathiafulvalene-annulated dipyrrolylquinoxaline: the effect of fluoride on its optical and electrochemical behaviors. <i>Tetrahedron</i> , 2012 , 68, 1590-1594	2.4	9
70	Modification of emission wavelength in organic random lasers based on photonic glass. <i>Organic Electronics</i> , 2012 , 13, 1129-1135	3.5	9
69	Polymer colour converter with very high modulation bandwidth for visible light communications. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8916-8920	7.1	9
68	Thiazole-induced rigidification in substituted dithieno-tetrathiafulvalene: the effect of planarisation on charge transport properties. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 1148-54	2.5	9
67	Structural and DFT Studies of Dibromine and Diiodine Adducts of a Sulfur-Rich Thiocarbonyl Donor. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 2373-2380	2.3	9

- 66 Experimental and theoretical studies into the structural perturbations between neutral, oxidised and reduced forms of 1,4-dithiinoquinoxaline derivatives. *Journal of Materials Chemistry*, **2000**, 10, 2448-2457 9
- 65 Highly efficient fullerene and non-fullerene based ternary organic solar cells incorporating a new tetrathiocin-cored semiconductor. *Sustainable Energy and Fuels*, **2019**, 3, 2087-2099 5.8 8
- 64 Tetrathiafulvalene-oligofluorene star-shaped systems: new semiconductor materials for fluorescent moisture indicators. *Journal of Materials Chemistry C*, **2019**, 7, 6582-6591 7.1 8
- 63 Effect of end group functionalisation of small molecules featuring the fluorene-thiophene-benzothiadiazole motif as emitters in solution-processed red and orange organic light-emitting diodes. *Journal of Materials Chemistry C*, **2019**, 7, 3934-3944 7.1 8
- 62 Mechanically Flexible Organic Semiconductor Laser Array. *IEEE Photonics Journal*, **2012**, 4, 684-690 1.8 8
- 61 Fused Oligothiophenes 219-254 8
- 60 A novel route towards formylated 1,3-dithiole-2-thiones via an unprecedented allylic 1,4-diol rearrangement. *Chemical Communications*, **2001**, 369-370 5.8 8
- 59 Investigating the effect of heteroatom substitution in 2,1,3-benzoxadiazole and 2,1,3-benzothiadiazole compounds for organic photovoltaics. *Journal of Materials Chemistry C*, **2018**, 6, 3709-3714 7.1 7
- 58 Poly([1,4]Dithiino[2,3-c]Furan): the synthesis, electrochemistry, and optoelectronic properties of a furan-containing polymer. *Macromolecular Rapid Communications*, **2013**, 34, 1330-4 4.8 7
- 57 Synthesis and properties of novel star-shaped oligofluorene conjugated systems with BODIPY cores. *Beilstein Journal of Organic Chemistry*, **2014**, 10, 2704-14 2.5 7
- 56 Dip-pen nanolithography of nanostructured oligofluorene truxenes in a photo-curable host matrix. *Journal of Materials Chemistry*, **2011**, 21, 14209 7
- 55 Redox-active tetrathiafulvalene and dithiolene compounds derived from allylic 1,4-diol rearrangement products of disubstituted 1,3-dithiole derivatives. *Beilstein Journal of Organic Chemistry*, **2010**, 6, 1002-14 2.5 7
- 54 The role of functional nitro and cyano groups in the self-assembly of 1,3-dithiole-2-thione-halogen adducts. *Heteroatom Chemistry*, **2007**, 18, 176-184 1.2 7
- 53 The Introduction of Pyrrole-tetrathiafulvalene into Conjugated Architectures: Synthesis and Electronic Properties. *Macromolecular Rapid Communications*, **2008**, 29, 1226-1230 4.8 7
- 52 Synthesis and characterization of CdS quantum dots in polystyrene microbeads. *Journal of Materials Chemistry*, **2005**, 7
- 51 Exceptional electron donating ability of an extended tetrathiafulvalene derivative. *Tetrahedron Letters*, **2004**, 45, 2535-2539 2 7
- 50 Electrochemical molecular recognition of silver cation by electropolymerised thieno[3,4:5,6][1,4]dithiino[2,3-b]quinoxaline: a joint experimental and theoretical study. *Journal of Materials Chemistry*, **2000**, 10, 2458-2465 7
- 49 The acid-catalysed rearrangements of 4,5-bis(2-thienylhydroxymethyl)-1,3-dithiole-2-thione. *Journal of the Chemical Society Perkin Transactions II*, **1999**, 1405-1410 7

48	Yellowish-orange and red emitting quinoline-based iridium(III) complexes: Synthesis, thermal, optical and electrochemical properties and OLED application. <i>Synthetic Metals</i> , 2020 , 268, 116504	3.6	7
47	Nanoparticles of Cu ₂ ZnSnS ₄ as performance enhancing additives for organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5109-5115	7.1	7
46	A brief perspective on the evolution of plastic electronics--from highly conducting polymers to conjugated organic semiconductors. <i>Chemical Communications</i> , 2013 , 49, 9242-4	5.8	6
45	Fluorene-containing tetraphenylethylene molecules as lasing materials. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 734-746	2.5	6
44	Novel electrochemiluminescent materials for sensor applications. <i>Faraday Discussions</i> , 2014 , 174, 357-673.6		6
43	A new family of sulfur-rich ligands based on the dmit system: synthesis and metal complexation of 4,4'-covalently bridged bis(2-thioxo-1,3-dithiol-5-thiolato) units. <i>Dalton Transactions RSC</i> , 2002 , 2654-2659		6
42	Novel [4+2]Cycloadditions of Vinyltetrathiafulvalene Derivatives. <i>Journal of Organic Chemistry</i> , 1995 , 60, 4644-4646	4.2	6
41	Synthesis and Properties of New Functionalised Tetrathiafulvalene (TTF) [Electron Donors. Phosphorus, Sulfur and Silicon and the Related Elements, 1993 , 74, 279-294	1	6
40	Acceptor-donor-acceptor small molecules based on derivatives of 3,4-ethylenedioxythiophene for solution processed organic solar cells. <i>RSC Advances</i> , 2016 , 6, 98797-98803	3.7	6
39	A poly(urethane)-encapsulated benzo[2,3-d:6,7-d']diimidazole organic down-converter for green hybrid LEDs. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1006-1012	7.8	5
38	Incorporation of perfluorohexyl-functionalised thiophenes into oligofluorene-truxenes: synthesis and physical properties. <i>Beilstein Journal of Organic Chemistry</i> , 2013 , 9, 1243-51	2.5	5
37	Sexithiophenes as efficient luminescence quenchers of quantum dots. <i>Beilstein Journal of Organic Chemistry</i> , 2011 , 7, 1722-31	2.5	5
36	Synthesis of novel poly(dithienylpyridines). <i>Journal of Materials Chemistry</i> , 2002 , 12, 2292-2298		5
35	3,4-Disubstituted terthiophene systems: synthesis and electropolymerization. <i>Synthetic Metals</i> , 2001 , 119, 115-116	3.6	5
34	Single-Molecule Spectroscopy of Polyfluorene Chains Reveals [Phase Content and Phase Reversibility in Organic Solvents. <i>Matter</i> , 2019 , 1, 1399-1410	12.7	4
33	Molecular electronics: general discussion. <i>Faraday Discussions</i> , 2014 , 174, 125-51	3.6	4
32	Hybrid organic semiconductor lasers for bio-molecular sensing. <i>Faraday Discussions</i> , 2014 , 174, 369-81	3.6	4
31	Oligothiophene Cruciform with a Germanium Spiro Center: A Promising Material for Organic Photovoltaics. <i>Angewandte Chemie</i> , 2012 , 124, 4640-4645	3.6	4

30	10,11-Dihydro-diindeno[1,2-b:2',1'-d]thio-phene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 64, o167		4
29	Synthesis of novel multifunctional carbazole-based molecules and their thermal, electrochemical and optical properties. <i>Beilstein Journal of Organic Chemistry</i> , 2020 , 16, 1066-1074	2.5	4
28	Scale-up Chemical Synthesis of Thermally-activated Delayed Fluorescence Emitters Based on the Dibenzothiophene-S,S-Dioxide Core. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	3
27	Miniature Nitro and Peroxide Vapor Sensors Using Nanoporous Thin Films. <i>IEEE Sensors Journal</i> , 2016 , 16, 8767-8774	4	3
26	Light-Emitting Diodes: An Organic Down-Converting Material for White-Light Emission from Hybrid LEDs (Adv. Mater. 43/2014). <i>Advanced Materials</i> , 2014 , 26, 7415-7415	24	3
25	Microelectrode sensor utilising nitro-sensitive polymers for application in explosives detection. <i>Micro and Nano Letters</i> , 2012 , 7, 962-964	0.9	3
24	Star-shaped oligofluorene nanostructured blend materials: controlled micro-patterning and physical characteristics. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 97, 119-123	2.6	3
23	Synthesis and electro-polymerisation of a novel heteropentalene mesomeric betaine: preparation of a novel low band-gap conjugated polymer. <i>Tetrahedron Letters</i> , 2011 , 52, 526-529	2	3
22	Organic polymer composite random laser operating underwater. <i>Optics Letters</i> , 2012 , 37, 5160-2	3	3
21	An experimental and theoretical study of exciplex-forming compounds containing trifluorobiphenyl and 3,6-di-tert-butylcarbazole units and their performance in OLEDs. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 14186-14195	7.1	3
20	Organic Semiconductor Laser Platform for the Detection of DNA by AgNP Plasmonic Enhancement. <i>Langmuir</i> , 2018 , 34, 14766-14773	4	3
19	A red-orange carbazole-based iridium(III) complex: Synthesis, thermal, optical and electrochemical properties and OLED application. <i>Journal of Organometallic Chemistry</i> , 2021 , 951, 122004	2.3	3
18	Broadband near-IR absorbing Au-dithiolene complexes bearing redox-active oligothiophene ligands. <i>Dalton Transactions</i> , 2018 , 48, 107-116	4.3	2
17	Efficiency enhancement of small molecule organic solar cells using hexapropyltruxene as an interface layer. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 4909-4918	7.1	2
16	Solution-processable 2,1,3-benzothiadiazole containing compound based on the novel 1-dodecyl-6-dodecoxynaphthyridine-2-one unit for organic field-effect transistors. <i>Organic Electronics</i> , 2017 , 49, 400-405	3.5	2
15	Organic photovoltaics and energy: general discussion. <i>Faraday Discussions</i> , 2014 , 174, 341-55	3.6	2
14	Field-Effect Mobility, Morphology and Electroluminescence of a Semiconductor Based on a DPP?Quaterfluorene Quadrupolar Linear Conjugated System. <i>Israel Journal of Chemistry</i> , 2014 , 54, 828-835	3.4	2
13	The First Example of a Polythiophene Bearing Fused Tetrathiafulvalene Units. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 665, 1		2

12	Carbazole-based D- π A molecules: Determining the photophysical properties and comparing ICT effects of π -spacer and acceptor groups. <i>Journal of Molecular Structure</i> , 2021 , 1239, 130494	3.4	2
11	Polymer Electronics. Oxford Master Series in Physics 22. Von Mark Geoghegan und Georges Hadziioannou.. <i>Angewandte Chemie</i> , 2014 , 126, 3376-3376	3.6	1
10	Novel polymer materials for low-cost nitro vapor detection sensors 2015 ,		1
9	Electrochemistry and In Situ EPR Spectroelectrochemistry of Poly(3,4-ethylenedithiophene). <i>Key Engineering Materials</i> , 2013 , 559, 121-125	0.4	1
8	8 Oxygen, sulfur, selenium and tellurium. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2004 , 100, 113-129		1
7	7 Oxygen, sulfur, selenium and tellurium. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2003 , 99, 101-114		1
6	7 Oxygen, sulfur, selenium and tellurium. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2002 , 98, 93-105		1
5	Synergistic electrodeposition of bilayer films and analysis by Raman spectroscopy. <i>Beilstein Journal of Organic Chemistry</i> , 2018 , 14, 2186-2189	2.5	1
4	Amino acid functionalised perylene bisimides for aqueous solution-deposited electron transporting interlayers in organic photovoltaic devices. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 3944-3950	7.1	1
3	Organic Conductors Containing Selenium and Tellurium 2014 , 1-30		
2	Photonics: general discussion. <i>Faraday Discussions</i> , 2014 , 174, 235-53	3.6	
1	Making organic light-emitting diodes sustainable from metal-free emitters to less energy-intensive processing 2022 , 229-280		