

Peter J Skabara

List of Publications by Year in descending order

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papers

7,081
citations

53794

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docs citations

247
times ranked

7918
citing authors

#	ARTICLE	IF	CITATIONS
1	Star-shaped π -conjugated oligomers and their applications in organic electronics and photonics. <i>Chemical Society Reviews</i> , 2010, 39, 2695.	38.1	329
2	Regioregular poly(3-hexyl)selenophene: a low band gap organic hole transporting polymer. <i>Chemical Communications</i> , 2007, , 5061.	4.1	322
3	Synthesis and Properties of Monodisperse Oligofluorene-Functionalized Truxenes: A Highly Fluorescent Star-Shaped Architectures. <i>Journal of the American Chemical Society</i> , 2004, 126, 13695-13702.	13.7	282
4	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.	12.2	181
5	Salts of extended tetrathiafulvalene analogues: relationships between molecular structure, electrochemical properties and solid state organisation. <i>Chemical Society Reviews</i> , 2005, 34, 69-98.	38.1	168
6	Thiophene and Selenophene Copolymers Incorporating Fluorinated Phenylene Units in the Main Chain: A Synthesis, Characterization, and Application in Organic Field-Effect Transistors. <i>Chemistry of Materials</i> , 2005, 17, 6567-6578.	6.7	154
7	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.	8.0	116
8	An Organic Down-Conversion Material for White Light Emission from Hybrid LEDs. <i>Advanced Materials</i> , 2014, 26, 7290-7294.	21.0	111
9	Self-assembly of luminescent ternary complexes between seven-coordinate lanthanide(III) complexes and chromophore bearing carboxylates and phosphonates. <i>Dalton Transactions</i> , 2006, , 2907.	3.3	106
10	Low-threshold organic laser based on an oligofluorene truxene with low optical losses. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	95
11	The first direct experimental comparison between the hugely contrasting properties of PEDOT and the all-sulfur analogue PEDTT by analogy with well-defined EDTT-EDOT copolymers. <i>Journal of Materials Chemistry</i> , 2005, 15, 4783.	6.7	94
12	Nanoimprinted Organic Semiconductor Laser Pumped by a Light-Emitting Diode. <i>Advanced Materials</i> , 2013, 25, 2826-2830.	21.0	92
13	Electrochemical synthesis of ammonia based on doped-ceria-carbonate composite electrolyte and perovskite cathode. <i>Solid State Ionics</i> , 2011, 201, 94-100.	2.7	89
14	A one-step synthesis of cadmium selenide quantum dots from a novel single source precursor. <i>Chemical Communications</i> , 2003, , 1454.	4.1	85
15	Close Encounters of the 3D Kind – Exploiting High Dimensionality in Molecular Semiconductors. <i>Advanced Materials</i> , 2013, 25, 1948-1954.	21.0	82
16	Conducting Nanofibers and Organogels Derived from the Self-Assembly of Tetrathiafulvalene-Appended Dipeptides. <i>Langmuir</i> , 2014, 30, 12429-12437.	3.5	82
17	Interaction between tetrathiafulvalene carboxylic acid and ytterbium DO3A: solution state self-assembly of a ternary complex which is luminescent in the near IR. Electronic supplementary information (ESI) available: cyclic voltammograms of TTF-YbDO3A and YbDO3A. See http://www.rsc.org/suppdata/cc/b2/b204218e/ . <i>Chemical Communications</i> , 2002, . 1668-1669.	4.1	81
18	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.	12.2	78

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19	A single emitting layer white OLED based on exciplex interface emission. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3851-3856.	5.5	74
20	Flexible blue-emitting encapsulated organic semiconductor DFB laser. <i>Optics Express</i> , 2010, 18, 25535.	3.4	69
21	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.	14.9	67
22	Linearly extended tetrathiafulvalene analogues with fused thiophene units as π -conjugated spacers. <i>Journal of Materials Chemistry</i> , 2003, 13, 1324-1332.	6.7	65
23	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.	6.7	65
24	Further evidence for spontaneous solid-state polymerisation reactions in 2,5-dibromothiophene derivatives. Electronic supplementary information (ESI) available: X-ray data for DBMDTT, DBEDTT and DBPDTT. See http://www.rsc.org/suppdata/jm/b3/b307575n/ . <i>Journal of Materials Chemistry</i> , 2003, 13, 2075.	6.7	64
25	Hexyl-substituted oligothiophenes with a central tetrafluorophenylene unit: crystal engineering of planar structures for p-type organic semiconductors. <i>Chemical Communications</i> , 2005, , 1465.	4.1	61
26	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.	21.0	61
27	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, 63-66.	3.3	58
28	Conjugated Microporous Networks on the Basis of 2,3,5,6-Tetraarylated Diketopyrrolo[3,4-c<i>cc</i>]pyrrole. <i>Macromolecular Rapid Communications</i> , 2011, 32, 825-830.	3.9	58
29	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, 3140-3152.	2.6	57
30	New Redox Stable Low Band Gap Conjugated Polymer Based on an EDOT-BODIPY-EDOT Repeat Unit. <i>Chemistry of Materials</i> , 2009, 21, 1784-1786.	6.7	57
31	Novel Fast Color-Converter for Visible Light Communication Using a Blend of Conjugated Polymers. <i>ACS Photonics</i> , 2015, 2, 194-199.	6.6	57
32	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.	10.3	57
33	LED pumped polymer laser sensor for explosives. <i>Laser and Photonics Reviews</i> , 2013, 7, L71-L76.	8.7	56
34	Highly nonlinear transport across single-molecule junctions via destructive quantum interference. <i>Nature Nanotechnology</i> , 2021, 16, 313-317.	31.5	56
35	Electrochromic properties of a fast switching, dual colour polythiophene bearing non-planar dithienoquinoxaline units. <i>Journal of Materials Chemistry</i> , 2007, 17, 225-231.	6.7	54
36	BODIPY-based conjugated polymers for broadband light sensing and harvesting applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 14119.	6.7	54

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37	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.	1.1	53
38	New functionalized tetrathiafulvalenes: X-ray crystal structures and physico-chemical properties of TTF-C(O)NMe ₂ and TTF-C(O)-O-C ₄ H ₉ : a joint experimental and theoretical study. <i>Journal of Materials Chemistry</i> , 1995, 5, 1689-1696.	6.7	52
39	Electrochemical synthesis of ammonia from N ₂ and H ₂ O based on (Li,Na,K)2CO ₃ -Ce _{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.	7.1	52
40	Covalently attached ferrocene and tetrathiafulvalene redox systems. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 417.	2.0	51
41	Functionalised Oligoenes with Unusual Topologies: Synthesis, Electrochemistry and Structural Studies on Redox-Active [3]- and [4]-Dendralenes. <i>Chemistry - A European Journal</i> , 2000, 6, 1955-1962.	3.3	51
42	Structural and Electronic Effects of 1,3,4-Thiadiazole Units Incorporated into Polythiophene Chains. <i>Macromolecules</i> , 2007, 40, 6585-6593.	4.8	50
43	Poly(3,4-ethylenediselena)thiophene The Selenium Equivalent of PEDOT. <i>Chemistry of Materials</i> , 2007, 19, 301-307.	6.7	48
44	Broadly tunable deep blue laser based on a star-shaped oligofluorene truxene. <i>Synthetic Metals</i> , 2010, 160, 1397-1400.	3.9	48
45	Well-Defined and Monodisperse Linear and Star-Shaped Quaterfluorene-DPP Molecules: the Significance of Conjugation and Dimensionality. <i>Advanced Materials</i> , 2011, 23, 2093-2097.	21.0	48
46	The electroactivity of tetrathiafulvalene vs. polythiophene: synthesis and characterisation of a fused thieno-TTF polymer. <i>Journal of Materials Chemistry</i> , 2004, 14, 1964-1969.	6.7	46
47	Electrochemistry, Spectroscopy, and Electrogenerated Chemiluminescence of Some Star-Shaped Truxene-Oligofluorene Compounds. <i>Journal of Physical Chemistry B</i> , 2007, 111, 6612-6619.	2.6	46
48	The synthesis of 4,4-(5 ²)-diformyltetrathiafulvalene. <i>Tetrahedron Letters</i> , 1994, 35, 9243-9246.	1.4	45
49	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.	0.9	45
50	Novel Terthiophene and Bis(thienyl)furan Derivatives as Precursors to Highly Electroactive Polymers. <i>Journal of Organic Chemistry</i> , 1999, 64, 6418-6424.	3.2	44
51	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.	7.3	44
52	Star-shaped fluorene-BODIPY oligomers: versatile donor-acceptor systems for luminescent solar concentrators. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1952-1962.	5.5	44
53	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.	5.5	44
54	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.	1.4	42

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55	Synthesis and electropolymerisation of 3,4-bis(alkylsulfanyl)terthiophenes and the significance of the fused dithien ring in 2,5-dithienyl-3,4-ethylenedithiophene (DT-EDTT). <i>Journal of Materials Chemistry</i> , 2002, 12, 500-510.	6.7	41
56	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.	6.7	41
57	Incorporation of fused tetrathiafulvalene units in a DPPe-terthiophene copolymer for air stable solution processable organic field effect transistors. <i>Journal of Materials Chemistry</i> , 2012, 22, 11310.	6.7	41
58	Optical Excitations in Star-Shaped Fluorene Molecules. <i>Journal of Physical Chemistry A</i> , 2011, 115, 2913-2919.	2.5	40
59	Laser action in a surface-structured free-standing membrane based on a π -conjugated polymer-composite. <i>Organic Electronics</i> , 2011, 12, 62-69.	2.6	40
60	High brightness solution-processed OLEDs employing linear, small molecule emitters. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3774-3780.	5.5	40
61	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 D-A Components. <i>Macromolecules</i> , 2001, 34, 2232-2241.	4.8	39
62	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.	4.1	39
63	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.	2.6	36
64	Low-Threshold Nanoimprinted Lasers Using Substructured Gratings for Control of Distributed Feedback. <i>Advanced Optical Materials</i> , 2013, 1, 563-566.	7.3	36
65	Direct Laser Writing of Nanosized Oligofluorene Truxenes in UV-Transparent Photoresist Microstructures. <i>Advanced Materials</i> , 2009, 21, 781-785.	21.0	35
66	Donor-Acceptor Conjugated Polymers Based on <i>p</i> - and <i>o</i> -Benzodifuranone and Thiophene Derivatives: Electrochemical Preparation and Optical and Electronic Properties. <i>Macromolecules</i> , 2012, 45, 743-750.	4.8	35
67	The development of an electropolymerisable unit for TTF-thiophene fused monomers. <i>Chemical Communications</i> , 2000, , 1005-1006.	4.1	34
68	Spectroelectrochemistry of Poly(ethylenedithiathiothiophene)-the Sulfur Analogue of Poly(ethylenedioxythiophene). <i>Journal of Physical Chemistry B</i> , 2006, 110, 2662-2667.	2.6	33
69	Effect of exciton self-trapping and molecular conformation on photophysical properties of oligofluorenes. <i>Journal of Chemical Physics</i> , 2009, 131, 154906.	3.0	33
70	Hybrid GaN/organic microstructured light-emitting devices via ink-jet printing. <i>Optics Express</i> , 2009, 17, 16436.	3.4	33
71	Dynamics of fluorescence depolarisation in star-shaped oligofluorene-truxene molecules. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9176.	2.8	33
72	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.	7.8	33

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73	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.	3.6	33
74	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.	7.8	32
75	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, 1919-1922.	4.1	32
76	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.	3.1	31
77	Multifunctional asymmetric D-A- π compounds: Mechanochromic luminescence, thermally activated delayed fluorescence and aggregation enhanced emission. <i>Chemical Engineering Journal</i> , 2020, 401, 125962.	12.7	31
78	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.	6.7	30
79	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.	3.8	30
80	A new family of conjugated metallopolymers from electropolymerised bis[(terthiophene)dithiolene] complexes. <i>Chemical Communications</i> , 2002, , 2408-2409.	4.1	29
81	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.	6.7	29
82	Oligothiophene Cruciform with a Germanium Spiro Center: A Promising Material for Organic Photovoltaics. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4562-4567.	13.8	29
83	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.	6.7	28
84	Nanoimprinted polymer lasers with threshold below 100 W/cm ² using mixed-order distributed feedback resonators. <i>Optics Express</i> , 2013, 21, 14362.	3.4	28
85	Cool to warm white light emission from hybrid inorganic/organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11499-11507.	5.5	28
86	RGB and white-emitting organic lasers on flexible glass. <i>Optics Express</i> , 2016, 24, 2273.	3.4	28
87	Synthesis and electropolymerisation of thiophene functionalised fluorenes. <i>Synthetic Metals</i> , 1999, 102, 1336-1337.	3.9	27
88	Synthesis and properties of end-capped sexithiophenes incorporating the ethylene dithiothiophene unit. <i>Journal of Materials Chemistry</i> , 2005, 15, 1446.	6.7	27
89	Polythiophene and oligothiophene systems modified by TTF electroactive units for organic electronics. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 1749-1766.	2.2	27
90	Electrochemical Polymerisation of Arylated and 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, 1834-1840.	3.9	26

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91	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.	5.5	26
92	Design of Linear and Star-Shaped Macromolecular Organic Semiconductors for Photonic Applications. <i>Accounts of Chemical Research</i> , 2019, 52, 1665-1674.	15.6	26
93	The Design and Synthesis of a Novel TTF-Thiophene Monomer. <i>Synthetic Metals</i> , 1997, 84, 345-346.	3.9	25
94	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.	3.2	25
95	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.	0.9	24
96	Structural and Magnetic Properties of a Novel Ferrocenyl–Diiodine Charge Transfer Complex. <i>Inorganic Chemistry</i> , 2003, 42, 3975-3977.	4.0	24
97	An oligofluorene truxene based distributed feedback laser for biosensing applications. <i>Biosensors and Bioelectronics</i> , 2014, 54, 679-686.	10.1	24
98	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.	0.9	23
99	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, 2683-2695.	2.2	23
100	Novel 4,8-benzobisthiazole copolymers and their field-effect transistor and photovoltaic applications. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11927-11936.	5.5	23
101	Noncovalent Close Contacts in Fluorinated Thiophene–Phenylene–Thiophene Conjugated Units: Understanding the Nature and Dominance of O–H versus S–F and O–F Interactions with Respect to the Control of Polymer Conformation. <i>Chemistry of Materials</i> , 2019, 31, 7070-7079.	6.7	23
102	Implementing fluorescent MOFs as down-converting layers in hybrid light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2394-2400.	5.5	23
103	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.	3.9	22
104	Influence of optical material properties on strong coupling in organic semiconductor based microcavities. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	22
105	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.	6.7	21
106	Laser characteristics of a family of benzene-cored star-shaped oligofluorenes. <i>Semiconductor Science and Technology</i> , 2012, 27, 094005.	2.0	21
107	Multi-colour electrochromic materials based on polyaromatic esters with low driving voltage. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9467-9473.	5.5	21
108	Linear oligofluorene-BODIPY structures for fluorescence applications. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2249.	5.5	20

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109	Highly-photostable and mechanically flexible all-organic semiconductor lasers. <i>Optical Materials Express</i> , 2013, 3, 584.	3.0	20
110	Ultralow-threshold up-converted lasing in oligofluorenes with tailored strong nonlinear absorption. <i>Journal of Materials Chemistry C</i> , 2015, 3, 12018-12025.	5.5	20
111	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.	5.5	20
112	Crystal engineering towards highly ordered polymeric structures of 1,3-dithiole-2-thione-dihalogen adducts. <i>Dalton Transactions RSC</i> , 2000, , 3235-3236.	2.3	19
113	Synthesis of an End-Capped Sexithiophene Bearing Fused Tetrathiafulvalene (TTF) Units. <i>Organic Letters</i> , 2007, 9, 1601-1604.	4.6	19
114	Novel dithiolene complexes incorporating conjugated electroactive ligands. <i>Dalton Transactions</i> , 2008, , 3070.	3.3	19
115	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.	6.7	18
116	Miniature humidity micro-sensor based on organic conductive polymer of poly(3,4-ethylenedioxythiophene). <i>Micro and Nano Letters</i> , 2009, 4, 84-87.	1.3	18
117	Controlling the Conformational Changes in Donor-Acceptor [4]Pentalenes through Intramolecular Charge-Transfer Processes. <i>Chemistry - A European Journal</i> , 2009, 15, 11581-11593.	3.3	18
118	Redox doping behaviour of poly(3,4-ethylenedithiophene) - The counterion effect. <i>Optical Materials</i> , 2011, 33, 1405-1409.	3.6	18
119	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, 27999-28005.	8.0	18
120	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.	1.9	17
121	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.	2.2	17
122	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.	6.7	16
123	BODIPY star-shaped molecules as solid state colour converters for visible light communications. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	16
124	Synthesis and characterization of CdS quantum dots in polystyrene microbeads. <i>Journal of Materials Chemistry</i> , 2005, , .	6.7	15
125	Self-assembly of halogen adducts of ester and carboxylic acid functionalised 1,3-dithiole-2-thiones. <i>Polyhedron</i> , 2006, 25, 989-995.	2.2	15
126	Charge transport in a two-dimensional molecular organic semiconductor. <i>Journal of Materials Chemistry C</i> , 2014, 2, 34-39.	5.5	15

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127	Fused H-shaped tetrathiafulvalene-oligothiophenes as charge transport materials for OFETs and OPVs. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2674-2683.	5.5	15
128	Colour tuning in white hybrid inorganic/organic light-emitting diodes. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 405103.	2.8	15
129	A saturated red color converter for visible light communication using a blend of star-shaped organic semiconductors. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	15
130	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.	3.9	15
131	Synthesis and properties of alkynethiolate gold(i) complexes. <i>Dalton Transactions</i> , 2007, , 5329.	3.3	14
132	Synthesis and characterisation of new diindenodithienothiophene (DITT) based materials. <i>Journal of Materials Chemistry</i> , 2010, 20, 1112-1116.	6.7	14
133	Electrochromic properties of a poly(dithienylfuran) derivative featuring a redox-active dithiin unit. <i>Polymer Chemistry</i> , 2012, 3, 2277.	3.9	14
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