Martin R Bryce

List of Publications by Year
in descending order

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556 papers	27,883 citations	6613 79 h-index	10734 138 g-index
597 all docs	597 docs citations	597 times ranked	16274 citing authors

#	Article	IF	Citations
1	All-organic thermally activated delayed fluorescence materials for organic light-emitting diodes. Nature Reviews Materials, 2018, 3, .	48.7	1,097
2	Recent Advances in White Organic Lightâ€Emitting Materials and Devices (WOLEDs). Advanced Materials, 2010, 22, 572-582.	21.0	1,017
3	Triplet Harvesting with 100% Efficiency by Way of Thermally Activated Delayed Fluorescence in Charge Transfer OLED Emitters. Advanced Materials, 2013, 25, 3707-3714.	21.0	861
4	Electron-transporting materials for organic electroluminescent and electrophosphorescent devices. Journal of Materials Chemistry, 2005, 15, 94.	6.7	595
5	Intermolecular Electronic Coupling of Organic Units for Efficient Persistent Roomâ€Temperature Phosphorescence. Angewandte Chemie - International Edition, 2016, 55, 2181-2185.	13.8	548
6	Recent progress on conducting organic charge-transfer salts. Chemical Society Reviews, 1991, 20, 355.	38.1	483
7	The Role of Local Triplet Excited States and Dâ€A Relative Orientation in Thermally Activated Delayed Fluorescence: Photophysics and Devices. Advanced Science, 2016, 3, 1600080.	11.2	403
8	Single Molecular Conductance of Tolanes: Experimental and Theoretical Study on the Junction Evolution Dependent on the Anchoring Group. Journal of the American Chemical Society, 2012, 134, 2292-2304.	13.7	381
9	Functionalised tetrathiafulvalenes: new applications as versatile Ï€â€•electron systems in materials chemistry. Journal of Materials Chemistry, 2000, 10, 589-598.	6.7	348
10	Tetrathiafulvalenes as Ï€-Electron Donors for Intramolecular Charge-Transfer Materials. Advanced Materials, 1999, 11, 11-23.	21.0	327
11	Precision control of single-molecule electrical junctions. Nature Materials, 2006, 5, 995-1002.	27.5	294
12	Single-Molecule Conductance of Functionalized Oligoynes: Length Dependence and Junction Evolution. Journal of the American Chemical Society, 2013, 135, 12228-12240.	13.7	277
13	Highly Efficient TADF OLEDs: How the Emitterâ€“Host Interaction Controls Both the Excited State Species and Electrical Properties of the Devices to Achieve Near 100% Triplet Harvesting and High Efficiency. Advanced Functional Materials, 2014, 24, 6178-6186.	14.9	273
14	Current trends in tetrathiafulvalene chemistry: towards increased dimensionality. Journal of Materials Chemistry, 1995, 5, 1481.	6.7	249
15	Rational Design of TADF Polymers Using a Donorâ€“Acceptor Monomer with Enhanced TADF Efficiency Induced by the Energy Alignment of Charge Transfer and Local Triplet Excited States. Advanced Optical Materials, 2016, 4, 597-607.	7.3	235
16	Regio- and conformational isomerization critical to design of efficient thermally-activated delayed fluorescence emitters. Nature Communications, 2017, 8, 14987.	12.8	235
17	Intramolecular Charge Transfer Controls Switching Between Room Temperature Phosphorescence and Thermally Activated Delayed Fluorescence. Angewandte Chemie - International Edition, 2018, 57, 16407-16411.	13.8	230
18	Using Guestâ€“Host Interactions To Optimize the Efficiency of TADF OLEDs. Journal of Physical Chemistry Letters, 2016, 7, 3341-3346.	4.6	227

#	Article	IF	Citations
19	Planar chiral 2-ferrocenyloxazolines and 1,1â€²-bis(oxazolinyl)ferrocenesâ€”syntheses and applications in asymmetric catalysis. Tetrahedron: Asymmetry, 2003, 14, 2297-2325.	1.8	220
20	The interplay of thermally activated delayed fluorescence (TADF) and room temperature organic phosphorescence in sterically-constrained donorâ€“acceptor charge-transfer molecules. Chemical Communications, 2016, 52, 2612-2615.	4.1	217
21	Achieving remarkable mechanochromism and white-light emission with thermally activated delayed fluorescence through the molecular heredity principle. Chemical Science, 2016, 7, 2201-2206.	7.4	210
22	Oligoyne Single Molecule Wires. Journal of the American Chemical Society, 2009, 131, 15647-15654.	13.7	206
23	Organic metals. Nature, 1984, 309, 119-126.	27.8	191
24	Experimental Evidence for Quantum Interference and Vibrationally Induced Decoherence in Single-Molecule Junctions. Physical Review Letters, 2012, 109, 056801.	7.8	185
25	Electrical Conductance of Conjugated Oligomers at the Single Molecule Level. Journal of the American Chemical Society, 2008, 130, 1080-1084.	13.7	180
26	Molecules with Exceptionally Small HOMO-LUMO Gaps. Angewandte Chemie - International Edition, 2005, 44, 5370-5373.	13.8	175
27	Engineering the singletâ€“triplet energy splitting in a TADF molecule. Journal of Materials Chemistry C, 2016, 4, 3815-3824.	5.5	175
28	A quantum circuit rule for interference effects in single-molecule electrical junctions. Nature Communications, 2015, 6, 6389.	12.8	164
29	Electrical and Magnetic Properties and X-Ray Structure of a Highly Conductive 4:1 Complex of Tetracyanoquinodimethane and a Tetrathiafulvalene Derivative. Angewandte Chemie International Edition in English, 1990, 29, 1450-1452.	4.4	157
30	Intermolecular Electronic Coupling of Organic Units for Efficient Persistent Roomâ€Temperature Phosphorescence. Angewandte Chemie, 2016, 128, 2221-2225.	2.0	156
31	An Efficient Pyridine- and Oxadiazole-Containing Hole-Blocking Material for Organic Light-Emitting Diodes:â€‰ Synthesis, Crystal Structure, and Device Performance. Chemistry of Materials, 2001, 13, 1167-1173.	6.7	149
32	Dinuclear metal complexes: multifunctional properties and applications. Chemical Society Reviews, 2020, 49, 765-838.	38.1	148
33	Electrically conductive Langmuirâ€“Blodgett films of charge-transfer materials. Nature, 1995, 374, 771-776.	27.8	147
34	Pendant Homopolymer and Copolymers as Solution-Processable Thermally Activated Delayed Fluorescence Materials for Organic Light-Emitting Diodes. Macromolecules, 2016, 49, 5452-5460.	4.8	145
35	Triazatruxene: A Rigid Central Donor Unit for a Dâ€“A₃ Thermally Activated Delayed Fluorescence Material Exhibiting Subâ€Microsecond Reverse Intersystem Crossing and Unity Quantum Yield via Multiple Singletâ€“Triplet State Pairs. Advanced Science, 2018, 5, 1700989.	11.2	145
36	Protonation and Subsequent Intramolecular Hydrogen Bonding as a Method to Control Chain Structure and Tune Luminescence in Heteroatomic Conjugated Polymers. Journal of the American Chemical Society, 2002, 124, 6049-6055.	13.7	137

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37	Ionic Iridium(III) Complexes with Bulky Side Groups for Use in Light Emitting Cells: Reduction of Concentration Quenching. Advanced Functional Materials, 2009, 19, 2038-2044.	14.9	136
38	White polymeric light-emitting diode based on a fluorene polymerâˆ•Ir complex blend system. Applied Physics Letters, 2005, 86, 121101.	3.3	134
39	Intramolecular Charge Transfer Assisted by Conformational Changes in the Excited State of Fluorene-dibenzothiophene-S,S-dioxide Co-oligomers. Journal of Physical Chemistry B, 2006, 110, 19329-19339.	2.6	130
40	Dual emission in purely organic materials for optoelectronic applications. Materials Horizons, 2021, 8, 33-55.	12.2	129
41	Chemosensor devices: voltammetric molecular recognition at solid interfaces. Journal of Materials Chemistry, 1999, 9, 1957-1974.	6.7	127
42	Achieving very bright mechanoluminescence from purely organic luminophores with aggregation-induced emission by crystal design. Chemical Science, 2016, 7, 5307-5312.	7.4	125
43	Identifying Diversity in Nanoscale Electrical Break Junctions. Journal of the American Chemical Society, 2010, 132, 9157-9164.	13.7	124
44	New electroluminescent bipolar compounds for balanced charge-transport and tuneable colour in organic light emitting diodes: triphenylamineâ€“oxadiazoleâ€“fluorene triad molecules. Journal of Materials Chemistry, 2006, 16, 3823-3835.	6.7	122
45	Functionalized Pyridylboronic Acids and Their Suzuki Cross-Coupling Reactions To Yield Novel Heteroarylpyridines. Journal of Organic Chemistry, 2002, 67, 7541-7543.	3.2	121
46	Electrochemical Control of Single-Molecule Conductance by Fermi-Level Tuning and Conjugation Switching. Journal of the American Chemical Society, 2014, 136, 17922-17925.	13.7	119
47	Dibenzothiophene-S,S-dioxideâ€“fluorene co-oligomers. Stable, highly-efficient blue emitters with improved electron affinity. Chemical Communications, 2005, , 3397.	4.1	118
48	New electron-transporting materials for light emitting diodes: 1,3,4-oxadiazoleâ€“pyridine and 1,3,4-oxadiazoleâ€“pyrimidine hybrids. Journal of Materials Chemistry, 2002, 12, 173-180.	6.7	116
49	Tuning the Intramolecular Charge Transfer Emission from Deep Blue to Green in Ambipolar Systems Based on Dibenzothiophene S,S-Dioxide by Manipulation of Conjugation and Strength of the Electron Donor Units. Journal of Organic Chemistry, 2010, 75, 6771-6781.	3.2	114
50	Soluble, conducting polymers from 3-substituted thiophenes and pyrroles. Journal of the Chemical Society Chemical Communications, 1987, , 466.	2.0	113
51	A Redox-Active Tetrathiafulvalene [2]Pseudorotaxane:Â Spectroelectrochemical and Cyclic Voltammetric Studies of the Highly-Reversible Complexation/Decomplexation Process. Journal of Organic Chemistry, 1997, 62, 885-887.	3.2	113
52	Synthesis of Novel Phthalocyanineâ€”Tetrathiafulvalene Hybrids; Intramolecular Fluorescence Quenching Related to Molecular Geometry. Journal of Organic Chemistry, 2002, 67, 9130-9139.	3.2	112
53	Efficient Deep-Blue Electroluminescence from an Ambipolar Fluorescent Emitter in a Single-Active-Layer Device. Chemistry of Materials, 2011, 23, 1640-1642.	6.7	112
54	Improved Syntheses of Carboxytetrathiafulvalene, Formyltetrathiafulvalene and (Hydroxymethyl)tetrathiafulvalene1: Versatile Building Blocks for New Functionalised Tetrathiafulvalene Derivatives. Synthesis, 1994, 1994, 489-493.	2.3	111

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55	Oligo(aryleneethynylene)s with Terminal Pyridyl Groups: Synthesis and Length Dependence of the Tunneling-to-Hopping Transition of Single-Molecule Conductances. Chemistry of Materials, 2013, 25, 4340-4347.	6.7	110
56	The HOF structures of nitrotetraphenylethene derivatives provide new insights into the nature of AIE and a way to design mechanoluminescent materials. Chemical Science, 2017, 8, 1163-1168.	7.4	110
57	Tris-Cyclometalated Iridium(III) Complexes of Carbazole(fluorenyl)pyridine Ligands: Synthesis, Redox and Photophysical Properties, and Electrophosphorescent Light-Emitting Diodes. Chemistry - A European Journal, 2007, 13, 1423-1431.	3.3	109
58	Exploiting a Dualâ€Fluorescence Process in Fluoreneâ€“Dibenzothiopheneâ€S,Sâ€dioxideCoâ€Polymers to Give Efficient Single Polymer LEDs with Broadened Emission. Advanced Functional Materials, 2009, 19, 586-591.	14.9	108
59	Cyclometalated Ir(III) Complexes for High-Efficiency Solution-Processable Blue PhOLEDs. Chemistry of Materials, 2013, 25, 2352-2358.	6.7	108
60	Palladium-Catalyzed Cross-Coupling Reactions of Pyridylboronic Acids with Heteroaryl Halides Bearing a Primary Amine Group:Â Synthesis of Highly Substituted Bipyridines and Pyrazinopyridines. Journal of Organic Chemistry, 2005, 70, 388-390.	3.2	106
61	The First Studies of a Tetrathiafulvalene-Ïƒ-Acceptor Molecular Rectifier. Chemistry - A European Journal, 2005, 11, 2914-2922.	3.3	106
62	Cationic Bisâ€cyclometallated Iridium(<scp>III)</scp> Phenanthroline Complexes with Pendant Fluorenyl Substituents: Synthesis, Redox, Photophysical Properties and Lightâ€Emitting Cells. Chemistry - A European Journal, 2008, 14, 933-943.	3.3	105
63	A Covalent Tetrathiafulvaleneâ€“Tetracyanoquinodimethane Diad: Extremely Low HOMOâ€“LUMO Gap, Thermoexcited Electron Transfer, and High-Quality Langmuirâ€“Blodgett Films. Angewandte Chemie - International Edition, 2003, 42, 4636-4639.	13.8	104
64	Molecular Wires Comprising Ï€-Extended Ethynyl- and Butadiynyl-2,5-Diphenyl-1,3,4-Oxadiazole Derivatives:Â Synthesis, Redox, Structural, and Optoelectronic Properties. Journal of the American Chemical Society, 2006, 128, 3789-3799.	13.7	104
65	Highly conjugated Ï€-electron donors for organic metals: synthesis and redox chemistry of new 1,3-dithiole and 1,3-selenathiole derivatives. Journal of the Chemical Society Perkin Transactions 1, 1991, , 157-168.	0.9	103
66	Very High Efficiency Orangeâ€Red Lightâ€Emitting Devices with Low Rollâ€Off at High Luminance Based on an Ideal Hostâ€“Guest System Consisting of Two Novel Phosphorescent Iridium Complexes with Bipolar Transport. Advanced Functional Materials, 2014, 24, 7420-7426.	14.9	100
67	Solutionâ€Processable Thermally Activated Delayed Fluorescence White OLEDs Based on Dualâ€Emission Polymers with Tunable Emission Colors and Aggregationâ€Enhanced Emission Properties. Advanced Optical Materials, 2017, 5, 1700435.	7.3	99
68	Intramolecular Charge Transfer Controls Switching Between Room Temperature Phosphorescence and Thermally Activated Delayed Fluorescence. Angewandte Chemie, 2018, 130, 16645-16649.	2.0	98
69	Molecular Design Strategies for Color Tuning of Blue TADF Emitters. ACS Applied Materials & Interfaces, 2019, 11, 27125-27133.	8.0	97
70	Colour tuning from green to red by substituent effects in phosphorescent tris-cyclometalated iridium(iii) complexes of carbazole-based ligands: synthetic, photophysical, computational and high efficiency OLED studies. Journal of Materials Chemistry, 2012, 22, 6419.	6.7	96
71	Combined aggregation induced emission (AIE), photochromism and photoresponsive wettability in simple dichloro-substituted triphenylethylene derivatives. Chemical Science, 2016, 7, 5302-5306.	7.4	95
72	Novel Emitting System Based on a Multifunctional Bipolar Phosphor: An Effective Approach for Highly Efficient Warmâ€White Lightâ€Emitting Devices with High Colorâ€Rendering Index at High Luminance. Advanced Materials, 2016, 28, 5963-5968.	21.0	92

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73	Langmuirâ€“Blodgett alignment of zwitterionic optically non-linear Dâ€“Ïâ€“A materials. Journal of the Chemical Society, Faraday Transactions, 1990, 86, 1117-1121.	1.7	91
74	Cation Recognition by Self-Assembled Layers of Novel Crown-Annelated Tetrathiafulvalenes. Advanced Materials, 1998, 10, 395-398.	21.0	87
75	AIE Multinuclear Ir(III) Complexes for Biocompatible Organic Nanoparticles with Highly Enhanced Photodynamic Performance. Advanced Science, 2019, 6, 1802050.	11.2	87
76	Selective sensing of 2,4,6-trinitrophenol (TNP) in aqueous media with â€œaggregation-induced emission enhancementâ€•(AIEE)-active iridium(<scp>iii</scp>) complexes. Chemical Communications, 2018, 54, 1730-1733.	4.1	85
77	A biosensor for monitoring formaldehyde using a new lipophilic tetrathiafulvalene-tetracyanoquinodimethane salt and a polyurethane membrane. Talanta, 2002, 56, 451-458.	5.5	83
78	The contributions of molecular vibrations and higher triplet levels to the intersystem crossing mechanism in metal-free organic emitters. Journal of Materials Chemistry C, 2017, 5, 6269-6280.	5.5	83
79	Unambiguous One-Molecule Conductance Measurements under Ambient Conditions. Nano Letters, 2011, 11, 2236-2241.	9.1	81
80	Arylsilanes and siloxanes as optoelectronic materials for organic light-emitting diodes (OLEDs). Journal of Materials Chemistry C, 2015, 3, 9496-9508.	5.5	80
81	Colour tuning of blue electroluminescence using bipolar carbazoleâ€“oxadiazole molecules in single-active-layer organic light emitting devices (OLEDs). Journal of Materials Chemistry, 2012, 22, 11816.	6.7	79
82	Persistent Dimer Emission in Thermally Activated Delayed Fluorescence Materials. Journal of Physical Chemistry C, 2019, 123, 11109-11117.	3.1	79
83	Dendritic Macromolecules Incorporating Tetrathiafulvalene Units. Angewandte Chemie International Edition in English, 1994, 33, 1761-1763.	4.4	74
84	The Boronic Mannich Reaction in a Solid-Phase Approach. Tetrahedron, 2000, 56, 10023-10030.	1.9	74
85	New 2,5-diaryl-1,3,4-oxadiazoleâ€“fluorene hybrids as electron transporting materials for blended-layer organic light emitting diodes. Journal of Materials Chemistry, 2005, 15, 194-203.	6.7	74
86	Macromolecular tetrathiafulvalene chemistry. Chemical Communications, 1998, , 945-952.	4.1	73
87	Thermally Induced Defluorination during a mer to fac Transformation of a Blue-Green Phosphorescent Cyclometalated Iridium(III) Complex. Inorganic Chemistry, 2012, 51, 290-297.	4.0	73
88	Langmuir-Blodgett films of C60. Thin Solid Films, 1992, 209, 150-152.	1.8	72
89	Towards highly oriented polythiophenes incorporating mesogenic or tetrathiafulvalene substituents. Synthetic Metals, 1991, 39, 397-400.	3.9	69
90	New vinylogous tetrathiafulvalene (TTF) Ï€-electron donors. Tetrahedron Letters, 1992, 33, 1373-1376.	1.4	69

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91	Synthesis, spectroscopy and electrochemistry of phthalocyanine derivatives functionalised with four and eight peripheral tetrathiafulvalene units. Journal of the Chemical Society Perkin Transactions II, 1997, , 1671-1678.	0.9	69
92	A neutral dinuclear Ir(iii) complex for anti-counterfeiting and data encryption. Chemical Communications, 2017, 53, 3022-3025.	4.1	68
93	Photochemistry of the Ï€â€Extended 9,10â€Bis(1,3â€dithiolâ€2â€ylidene)â€9,10â€dihydroanthracene System: Generation and Characterisation of the Radical Cation, Dication, and Derived Products. Chemistry - A European Journal, 2001, 7, 973-978.	3.3	67
94	Dipolar Stabilization of Emissive Singlet Charge Transfer Excited States in Polyfluorene Copolymers. Journal of Physical Chemistry B, 2008, 112, 6557-6566.	2.6	67
95	Solvent Dependence of the Single Molecule Conductance of Oligoyne-Based Molecular Wires. Journal of Physical Chemistry C, 2016, 120, 15666-15674.	3.1	67
96	Highly Efficient, Solutionâ€Processed, Singleâ€Layer, Electrophosphorescent Diodes and the Effect of Molecular Dipole Moment. Advanced Functional Materials, 2011, 21, 2376-2382.	14.9	66
97	Radicalâ€Enhanced Charge Transport in Singleâ€Molecule Phenothiazine Electrical Junctions. Angewandte Chemie - International Edition, 2017, 56, 13061-13065.	13.8	66
98	Apparatus for two-probe conductivity measurements on compressed powders. Journal of Chemical Education, 1990, 67, 717.	2.3	65
99	Bimetallic Cyclometalated Iridium(III) Diastereomers with Nonâ€Innocent Bridging Ligands for Highâ€Efficiency Phosphorescent OLEDs. Angewandte Chemie - International Edition, 2014, 53, 11616-11619.	13.8	65
100	Synthesis and Spectroscopy of Poly(9,9-dioctylfluorene-2,7-diyl-co-2,8-dihexyldibenzothiophene-S,S-dioxide-3,7-diyl)s: Solution-Processable, Deep-Blue Emitters with a High Triplet Energy. Macromolecules, 2010, 43, 4481-4488.	4.8	64
101	Bis- and tris(tetrathiafulvalenes) (TTFs) derived from reactions of the TTF-thiolate anion. Journal of Organic Chemistry, 1992, 57, 4859-4862.	3.2	63
102	Synthesis of Pyrazinoporphyrazine Derivatives Functionalised with Tetrathiafulvalene (TTF) Units: Xâ€Ray Crystal Structures of Two Related ttf Cyclophanes and Two Bis(1,3â€Dithioleâ€2â€Thione) Intermediates. Chemistry - A European Journal, 1997, 3, 1679-1690.	3.3	63
103	Bipolar Molecules with High Triplet Energies: Synthesis, Photophysical, and Structural Properties. Journal of Organic Chemistry, 2011, 76, 8300-8310.	3.2	63
104	New AIE-active dinuclear Ir(<scp>iii</scp>) complexes with reversible piezochromic phosphorescence behaviour. Chemical Communications, 2015, 51, 13036-13039.	4.1	63
105	A review of functional linear carbon chains (oligoynes, polyynes, cumulenes) and their applications as molecular wires in molecular electronics and optoelectronics. Journal of Materials Chemistry C, 2021, 9, 10524-10546.	5.5	63
106	New pyrimidine- and fluorene-containing oligo(arylene)s: synthesis, crystal structures, optoelectronic properties and a theoretical study. Organic and Biomolecular Chemistry, 2003, 1, 3069-3077.	2.8	62
107	Bridged diiridium complexes for electrophosphorescent OLEDs: synthesis, X-ray crystal structures, photophysics, and devices. Journal of Materials Chemistry, 2006, 16, 1046.	6.7	61
108	Porphyrin, Phthalocyanine and Porphyrazine Derivatives with Multifluorenyl Substituents as Efficient Deep-Red Emitters. Chemistry - A European Journal, 2007, 13, 6710-6717.	3.3	61

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109	New ionic dinuclear Ir(iii) Schiff base complexes with aggregation-induced phosphorescent emission (AIPE). Chemical Communications, 2014, 50, 6977-6980.	4.1	61
110	Bond Rotations and Heteroatom Effects in Donorâ€“Acceptorâ€“Donor Molecules: Implications for Thermally Activated Delayed Fluorescence and Room Temperature Phosphorescence. Journal of Organic Chemistry, 2018, 83, 14431-14442.	3.2	61
111	A (Ï€-Extended Tetrathiafulvalene)â^'Fluorene Conjugate. Unusual Electrochemistry and Charge Transfer Properties:Â The First Observation of a Covalent D2+â^'Ïƒâ^'Aâ€¢-Redox State1. Journal of the American Chemical Society, 2002, 124, 14227-14238.	13.7	60
112	Quantum interference and heteroaromaticity of para- and meta-linked bridged biphenyl units in single molecular conductance measurements. Scientific Reports, 2017, 7, 1794.	3.3	59
113	The influence of molecular conformation on the photophysics of organic room temperature phosphorescent luminophores. Journal of Materials Chemistry C, 2018, 6, 9238-9247.	5.5	59
114	Generation and Trapping of Phosphorus Stabilized 4,5-Ethylenedithio-1,3-dithiol-2-ide Carbanions: Synthesis of Ethylenedithio-1,3-dithiafulvalenes. Synthesis, 1991, 1991, 26-28.	2.3	58
115	Chiral ferrocenyl-oxazolines incorporating thioether units: effective ligands for palladium-catalysed allylic substitution. Tetrahedron: Asymmetry, 1997, 8, 2337-2346.	1.8	58
116	(N-Methylthiocarbamoyl)tetrathiafulvalene derivatives and their radical cations: synthetic and X-ray structural studies. Journal of Materials Chemistry, 1998, 8, 1541-1550.	6.7	58
117	Electron Acceptors of the Fluorene Series. 10.1Novel Acceptors Containing Butylsulfanyl, Butylsulfinyl, and Butylsulfonyl Substituents:Â Synthesis, Cyclic Voltammetry, Charge-Transfer Complexation with Anthracene in Solution, and X-ray Crystal Structures of Two Tetrathiafulvalene Complexes. Journal of Organic Chemistry, 2000, 65, 3053-3063.	3.2	58
118	Synthesis and crystal engineering of new halogenated tetrathiafulvalene (TTF) derivatives and their charge transfer complexes and radical ion salts. Journal of Materials Chemistry, 2001, 11, 2181-2191.	6.7	58
119	New Crown Annelated Tetrathiafulvalenes:Â Synthesis, Electrochemistry, Self-Assembly of Thiol Derivatives, and Metal Cation Recognition. Journal of Organic Chemistry, 2000, 65, 8269-8276.	3.2	57
120	Determination of the attenuation factor in fluorene-based molecular wires. Chemical Communications, 2007, , 5164.	4.1	57
121	Donor-Ï€-Acceptor Species Derived from Functionalised 1,3-Dithiol-2-ylidene Anthracene Donor Units Exhibiting Photoinduced Electron Transfer Properties: Spectroscopic, Electrochemical, X-Ray Crystallographic and Theoretical Studies. Chemistry - A European Journal, 1998, 4, 2580-2592.	3.3	56
122	Single-molecule electrical studies on a 7 nm long molecular wire. Chemical Communications, 2006, , 4706.	4.1	56
123	Transition from Tunneling Leakage Current to Molecular Tunneling in Single-Molecule Junctions. CheM, 2019, 5, 390-401.	11.7	56
124	A highly conducting tetrathiafulvalene Langmuir-Blodgett film. Thin Solid Films, 1988, 165, L97-L100.	1.8	55
125	Synthesis and aggregation of a phthalocyanine symmetrically-functionalized with eight tetrathiafulvalene units. Advanced Materials, 1996, 8, 63-65.	21.0	55
126	Synthesis of new axially-disubstituted silicon-phthalocyanine derivatives: optical and structural characterisation. Tetrahedron, 2006, 62, 9433-9439.	1.9	54

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127	Bis(tetrathiofulvalenyl)sulphide [(TTF)2S] : synthesis and x-ray crystal structure. Tetrahedron Letters, 1992, 33, 1783-1786.	1.4	53
128	New 1,3-dithiol-2-ylidene donorâ€“Ï€â€“acceptor chromophores with intramolecular charge-transfer properties, and related donorâ€“Ï€â€“donor molecules: synthesis, electrochemistry, X-ray crystal structures, non-linear optical properties and theoretical calculations. Journal of Materials Chemistry, 1998, 8, 1173-1184.	6.7	53
129	Efficient Lightâ€Emitting Electrochemical Cells (LECs) Based on Ionic Iridium(III) Complexes with 1,3,4â€Oxadiazole Ligands. Advanced Functional Materials, 2013, 23, 4667-4677.	14.9	53
130	The influence of molecular geometry on the efficiency of thermally activated delayed fluorescence. Journal of Materials Chemistry C, 2019, 7, 6672-6684.	5.5	53
131	Rational design of iridiumâ€“porphyrin conjugates for novel synergistic photodynamic and photothermal therapy anticancer agents. Chemical Science, 2021, 12, 5918-5925.	7.4	53
132	Synthesis, x-ray crystal structure and multistage redox properties of a severely-distorted tetrathiafulvalene donor. Tetrahedron Letters, 1991, 32, 6029-6032.	1.4	52
133	New functionalized tetrathiafulvalenes: X-ray crystal structures and physico-chemical properties of TTFâ€“C(O)NMe2and TTFâ€“C(O)â€“Oâ€“C4H9: a joint experimental and theoretical study. Journal of Materials Chemistry, 1995, 5, 1689-1696.	6.7	52
134	Electron Acceptors of the Fluorene Series. 9.1Derivatives of 9-(1,2-Dithiol-3-ylidene)-, 9-(1,3-Dithiol-2-ylidene)-, and 9-(1,3-Selenathiol-2-ylidene)fluorenes:Â Synthesis, Intramolecular Charge Transfer, and Redox Properties. Journal of Organic Chemistry, 1999, 64, 6937-6950.	3.2	52
135	Photophysics of an Asymmetric Donorâ€“Acceptorâ€“Donorâ€² TADF Molecule and Reinterpretation of Aggregation-Induced TADF Emission in These Materials. Journal of Physical Chemistry C, 2017, 121, 17764-17772.	3.1	52
136	Balancing charge-transfer strength and triplet states for deep-blue thermally activated delayed fluorescence with an unconventional electron rich dibenzothiophene acceptor. Journal of Materials Chemistry C, 2019, 7, 13224-13234.	5.5	52
137	New bis(ethylenedithio)tetrathiafulvalene derivatives with low oxidation potentials. Journal of the Chemical Society Chemical Communications, 1991, , 320.	2.0	51
138	Covalently attached ferrocene and tetrathiafulvalene redox systems. Journal of the Chemical Society Chemical Communications, 1993, , 417.	2.0	51
139	Electron Acceptors of the Fluorene Series. 7.12,7-Dicyano-4,5-dinitro-9-X-fluorenes:Â Synthesis, Cyclic Voltammetry, Charge Transfer Complexation withN-Propylcarbazole in Solution, and X-ray Crystal Structures of Two Tetrathiafulvalene Complexes. Journal of Organic Chemistry, 1998, 63, 6484-6493.	3.2	51
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