Cyril Poriel

List of Publications by Year
in descending order

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113	4,251	66343	133252
papers	citations	42 h-index	59 g-index

120	120	120	2754
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dispiroacridine-indacenobisthiophene positional isomers: impact of the bridge on the physicochemical properties. Materials Chemistry Frontiers, 2022, 6, 225-236.	5.9	2
2	Are pure hydrocarbons the future of host materials for blue phosphorescent organic light-emitting diodes?. Materials Chemistry Frontiers, 2022, 6, 1246-1252.	5.9	15
3	Pure Hydrocarbons: An Efficient Molecular Design Strategy for the Next Generation of Host Materials for Phosphorescent Organic Light-Emitting Diodes. Accounts of Materials Research, 2022, 3, 379-390.	11.7	26
4	Spiro-configured dibenzosuberene compounds as deep-blue emitters for organic light-emitting diodes with a CIEy of 0.04. Materials Chemistry Frontiers, 2022, 6, 1803-1813.	5.9	14
5	Pure Hydrocarbon Materials as Highly Efficient Host for White Phosphorescent Organic Lightâ€Emitting Diodes: A New Molecular Design Approach. Angewandte Chemie - International Edition, 2022, 61, .	13.8	25
6	Quinolinophenothiazine as an electron rich fragment for high efficiency RGB single-layer phosphorescent organic light-emitting diodes. Materials Chemistry Frontiers, 2021, 5, 8066-8077.	5.9	9
7	Designing Host Materials for the Emissive Layer of Singleâ€Layer Phosphorescent Organic Lightâ€Emitting Diodes: Toward Simplified Organic Devices. Advanced Functional Materials, 2021, 31, 2010547.	14.9	51
8	[4]Cyclo-N-alkyl-2,7-carbazoles: Influence of the Alkyl Chain Length on the Structural, Electronic, and Charge Transport Properties. Journal of the American Chemical Society, 2021, 143, 8804-8820.	13.7	19
9	Spirobifluorene Dimers: Understanding How The Molecular Assemblies Drive The Electronic Properties. Advanced Functional Materials, 2021, 31, 2104980.	14.9	18
10	Aâ€“Ïâ€“A, Dâ€“Ïâ€“D and Dâ€“Ïâ€“A blue emitting fluorophores based on dispiro[fluorene-9,6â€²-indeno[1,2-b]fluorene-12â€²,9â€²â€²-fluorene]. Materials Advances, 2021, 2, 1271-1283.	5.4	8
11	Spirophenylacridineâ€2,7â€(diphenylphosphineoxide)â€fluorene: A Bipolar Host for Highâ€Efficiency Singleâ€Layer Blue Phosphorescent Organic Lightâ€Emitting Diodes. Advanced Optical Materials, 2020, 8, 1901225.	7.3	41
12	Modulation of circularly polarized luminescence through excited-state symmetry breaking and interbranched exciton coupling in helical pushâ€“pull organic systems. Chemical Science, 2020, 11, 567-576.	7.4	79
13	9,9â€²-Spirobifluorene based zinc coordination polymers: a study on linker geometry and topology. CrystEngComm, 2020, 22, 293-303.	2.6	10
14	White-light electroluminescence from a layer incorporating a single fully-organic spiro compound with phosphine oxide substituents. Journal of Materials Chemistry C, 2020, 8, 14462-14468.	5.5	15
15	Synthesis, photophysical and electropolymerization properties of thiophene-substituted 2,3-diphenylbuta-1,3-dienes. New Journal of Chemistry, 2020, 44, 12556-12567.	2.8	1
16	Persistent Organic Room-Temperature Phosphorescence in Cyclohexane-trans-1,2-Bisphthalimide Derivatives: The Dramatic Impact of Heterochiral vs Homochiral interactions. Journal of Physical Chemistry Letters, 2020, 11, 6426-6434.	4.6	20
17	Universal host materials for red, green and blue high-efficiency single-layer phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2020, 8, 16354-16367.	5.5	39
18	Emerging organic electronics. Materials Chemistry Frontiers, 2020, 4, 2497-2498.	5.9	14

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19	Highly Efficient Thermally Activated Delayed Fluorescence via an Unconjugated Donorâ€“Acceptor System Realizing EQE of Over 30%. Advanced Materials, 2020, 32, e2003885.	21.0	148
20	Evolution of pure hydrocarbon hosts: simpler structure, higher performance and universal application in RGB phosphorescent organic light-emitting diodes. Chemical Science, 2020, 11, 4887-4894.	7.4	58
21	Linking triptycene to silole: a fruitful association. Materials Chemistry Frontiers, 2020, 4, 2006-2017.	5.9	3
22	Blue Singleâ€Layer Organic Lightâ€Emitting Diodes Using Fluorescent Materials: A Molecular Design View Point. Advanced Functional Materials, 2020, 30, 1910040.	14.9	77
23	[n]â€Cycloâ€9,9â€dibutylâ€2,7â€fluorene (n=4, 5): Nanoring Size Influence in Carbonâ€Bridged Cycloâ€paraâ€phenylenes. Angewandte Chemie, 2020, 132, 11159-11165.	2.0	8
24	[n]â€Cycloâ€9,9â€dibutylâ€2,7â€fluorene (n=4, 5): Nanoring Size Influence in Carbonâ€Bridged Cycloâ€paraâ€phenylenes. Angewandte Chemie - International Edition, 2020, 59, 11066-11072.	13.8	22
25	1-Carbazolyl Spirobifluorene: Synthesis, Structural, Electrochemical, and Photophysical Properties. Journal of Physical Chemistry C, 2019, 123, 19094-19104.	3.1	40
26	Cyclization of Terphenylâ€Bisfluorenols: A Mechanistic Study of the Regioselectvity. Chemistry - A European Journal, 2019, 25, 10689-10697.	3.3	6
27	[4]Cycloâ€Nâ€ethylâ€2,7â€carbazole: Synthesis, Structural, Electronic and Charge Transport Properties. Chemistry - A European Journal, 2019, 25, 7740-7748.	3.3	32
28	C1â€Linked Spirobifluorene Dimers: Pure Hydrocarbon Hosts for Highâ€Performance Blue Phosphorescent OLEDs. Angewandte Chemie, 2019, 131, 3888-3893.	2.0	22
29	C1â€Linked Spirobifluorene Dimers: Pure Hydrocarbon Hosts for Highâ€Performance Blue Phosphorescent OLEDs. Angewandte Chemie - International Edition, 2019, 58, 3848-3853.	13.8	95
30	New generations of spirobifluorene regioisomers for organic electronics: tuning electronic properties with the substitution pattern. Chemical Communications, 2019, 55, 14238-14254.	4.1	83
31	Discrimination of positional isomers by ion mobility mass spectrometry: application to organic semiconductors. Analytical Methods, 2018, 10, 2303-2306.	2.7	2
32	A Dihydrodinaphthoheptacene. Journal of Organic Chemistry, 2018, 83, 1891-1897.	3.2	9
33	N-Cyanoimine as an electron-withdrawing functional group for organic semiconductors: example of dihydroindacenodithiophene positional isomers. Journal of Materials Chemistry C, 2018, 6, 13197-13210.	5.5	14
34	Annealing effect on the electrical proprieties of IF(CN2)2-meta based OTFTs: Thermal behavior and modeling of charge transport. Superlattices and Microstructures, 2018, 123, 286-296.	3.1	1
35	Confining Nitrogen Inversion to Yield Enantiopure Quinolino[3,2,1â€k]Phenothiazine Derivatives. Advanced Functional Materials, 2018, 28, 1803140.	14.9	29
36	[4]Cyclofluorene: Unexpected Influence of Alkyl Chain Length. ChemPlusChem, 2018, 83, 874-880.	2.8	28

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37	Dihydroindenofluorene Positional Isomers. Accounts of Chemical Research, 2018, 51, 1818-1830.	15.6	59
38	Influence of the gate bias stress on the stability of n-type organic field-effect transistors based on dicyanovinyleneâ€“dihydroindenofluorene semiconductors. Materials Chemistry Frontiers, 2018, 2, 1631-1641.	5.9	23
39	Zinc Tetraphenylporphyrin as High Performance Visible Light Photoinitiator of Cationic Photosensitive Resins for LED Projector 3D Printing Applications. Macromolecules, 2017, 50, 746-753.	4.8	99
40	Performance improvement of IF(CN2)2 meta based N-channel OTFTs and their integration into a stable CMOS inverter. Solid-State Electronics, 2017, 130, 49-56.	1.4	12
41	Electron-Rich 4-Substituted Spirobifluorenes: Toward a New Family of High Triplet Energy Host Materials for High-Efficiency Green and Sky Blue Phosphorescent OLEDs. ACS Applied Materials & Interfaces, 2017, 9, 6194-6206.	8.0	51
42	Electron-Deficient Dihydroindaceno-Dithiophene Regioisomers for n-Type Organic Field-Effect Transistors. ACS Applied Materials & Interfaces, 2017, 9, 8219-8232.	8.0	37
43	Influence of Fluorene and Spirobifluorene Regioisomerism on the Structure, Organization, and Permeation Properties of Monolayers. Journal of Physical Chemistry C, 2017, 121, 14228-14237.	3.1	12
44	Spirobifluorene Regioisomerism: A Structureâ€“Property Relationship Study. Chemistry - A European Journal, 2017, 23, 7719-7727.	3.3	85
45	Structureâ€“property relationship of 4-substituted-spirobifluorenes as hosts for phosphorescent organic light emitting diodes: an overview. Journal of Materials Chemistry C, 2017, 5, 3869-3897.	5.5	89
46	A series of chiral metalâ€“organic frameworks based on fluorene di- and tetra-carboxylates: syntheses, crystal structures and luminescence properties. CrystEngComm, 2017, 19, 2042-2056.	2.6	11
47	Modulating the Physical and Electronic Properties over Positional Isomerism: The Dispirofluoreneâ€“Dihydroindacenodithiophene (DSFâ€IDT) Family. Chemistry - A European Journal, 2017, 23, 17290-17303.	3.3	17
48	Modulation of the Physicochemical Properties of Donorâ€“Spiroâ€“Acceptor Derivatives through Donor Unit Planarisation: Phenylacridine versus Indoloacridineâ€”New Hosts for Green and Blue Phosphorescent Organic Lightâ€Emitting Diodes (PhOLEDs). Chemistry - A European Journal, 2016, 22, 10136-10149.	3.3	49
49	A glance at violet LED sensitive photoinitiators based on the spiroxanthene scaffold. Journal of Applied Polymer Science, 2016, 133, .	2.6	11
50	9Hâ€Quinolino[3,2,1â€k]phenothiazine: A New Electronâ€Rich Fragment for Organic Electronics. Chemistry - A European Journal, 2016, 22, 17930-17935.	3.3	46
51	Thioxanthene and dioxothioxanthene dihydroindeno[2,1-b]fluorenes: synthesis, properties and applications in green and sky blue phosphorescent OLEDs. Journal of Materials Chemistry C, 2016, 4, 1692-1703.	5.5	38
52	Incorporation of spirobifluorene regioisomers in electron-donating molecular systems for organic solar cells. RSC Advances, 2016, 6, 25952-25959.	3.6	17
53	Spirobifluorenyl-Porphyrins and their Derived Polymers for Homogeneous or Heterogeneous Catalysis. , 2016, , 345-393.		0
54	Donor/Acceptor Dihydroindeno[1,2â€a]fluorene and Dihydroindeno[2,1â€b]fluorene: Towards New Families of Organic Semiconductors. Chemistry - A European Journal, 2015, 21, 9426-9439.	3.3	53

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55	4-Pyridyl-9,9â€²-spirobifluorenes as Host Materials for Green and Sky-Blue Phosphorescent OLEDs. Journal of Physical Chemistry C, 2015, 119, 5790-5805.	3.1	59
56	Properties modulation of organic semi-conductors based on a donor-spiro-acceptor (D-spiro-A) molecular design: new host materials for efficient sky-blue PhOLEDs. Journal of Materials Chemistry C, 2015, 3, 9701-9714.	5.5	55
57	Modulation of the Electronic and Mesomorphic Properties of Alkynylâ€“Spirobifluorene Compounds as a Function of the Substitution Pattern. Journal of Physical Chemistry C, 2015, 119, 10564-10575.	3.1	18
58	The structureâ€“property relationship study of electron-deficient dihydroindeno[2,1-b]fluorene derivatives for n-type organic field effect transistors. Journal of Materials Chemistry C, 2015, 3, 5742-5753.	5.5	46
59	Spirobifluorene-2,7-dicarbazole-4â€²-phosphine Oxide as Host for High-Performance Single-Layer Green Phosphorescent OLED Devices. Organic Letters, 2015, 17, 4682-4685.	4.6	56
60	Spiro-configured phenyl acridine thioxanthene dioxide as a host for efficient PhOLEDs. Chemical Communications, 2015, 51, 1313-1315.	4.1	69
61	orthoâ€, metaâ€, and paraâ€Dihydroindenofluorene Derivatives as Host Materials for Phosphorescent OLEDs. Angewandte Chemie - International Edition, 2015, 54, 1176-1180.	13.8	129
62	An electron deficient dicyanovinylene-ladder-type pentaphenylene derivative for n-type organic field effect transistors. Journal of Materials Chemistry C, 2014, 2, 3292-3302.	5.5	25
63	Luminescence modulation in liquid crystalline phases containing a dispiro[fluorene-9,11â€²-indeno[1,2-b]fluorene-12â€²,9â€²â€²-fluorene] core. Journal of Materials Chemistry C, 2014, 2, 4265-4275.	5.5	20
64	9,9â€²-Spirobifluorene and 4-phenyl-9,9â€²-spirobifluorene: pure hydrocarbon small molecules as hosts for efficient green and blue PhOLEDs. Journal of Materials Chemistry C, 2014, 2, 4156-4166.	5.5	75
65	2-Substituted vs 4-substituted-9,9â€²-spirobifluorene host materials for green and blue phosphorescent OLEDs: a structureâ€“property relationship study. Tetrahedron, 2014, 70, 6337-6351.	1.9	43
66	2,5-Thiophene substituted spirobisiloles â€“ synthesis, characterization, electrochemical properties and performance in bulk heterojunction solar cells. New Journal of Chemistry, 2013, 37, 464-473.	2.8	10
67	Experimental and theoretical insights into the sequential oxidations of 3Ï€-2spiro molecules derived from oligophenylenes: A comparative study of 1,2-b-DiSpiroFluorene-IndenoFluorene versus 1,2-b-DiSpiroFluorene(tert-butyl)4-IndenoFluorene. Electrochimica Acta, 2013, 110, 735-740.	5.2	9
68	Modulation of the Electronic Properties of 3Ï€-2spiro Compounds Derived from Bridged Oligophenylenes: A Structureâ€“Property Relationship. Journal of Organic Chemistry, 2013, 78, 886-898.	3.2	43
69	Phenylboronic Acid Modified Anodes Promote Faster Biofilm Adhesion and Increase Microbial Fuel Cell Performances. Electroanalysis, 2013, 25, 601-605.	2.9	38
70	Dependence of the Properties of Dihydroindenofluorene Derivatives on Positional Isomerism: Influence of the Ring Bridging. Angewandte Chemie - International Edition, 2013, 52, 14147-14151.	13.8	90
71	Intramolecular excimer emission as a blue light source in fluorescent organic light emitting diodes: a promising molecular design. Journal of Materials Chemistry, 2012, 22, 7149.	6.7	103
72	On the nature of the electrode surface modification by cathodic reduction of tetraarylporphyrin diazonium salts in aqueous media. Electrochemistry Communications, 2012, 20, 167-170.	4.7	18

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73	A robust pure hydrocarbon derivative based on the (2,1-b)-indenofluorenyl core with high triplet energy level. Chemical Communications, 2011, 47, 11703.	4.1	48
74	Synthesis and Properties of a Blue Bipolar Indenofluorene Emitter Based on a D-Ï€-A Design. Organic Letters, 2011, 13, 4418-4421.	4.6	77
75	A 9,9â€²-spirobifluorene based Metalâ€“Organic Framework: synthesis, structure analysis and gas sorption properties. Journal of Materials Chemistry, 2011, 21, 18715.	6.7	49
76	Direct Electron Transfer of Hemoglobin and Myoglobin at the Bare Glassy Carbon Electrode in an Aqueous BMI.BF₄ Ionicâ€Liquid Mixture. ChemPhysChem, 2011, 12, 411-418.	2.1	10
77	Incorporation of Spiroxanthene Units in Blueâ€Emitting Oligophenylene Frameworks: A New Molecular Design for OLED Applications. Chemistry - A European Journal, 2011, 17, 12631-12645.	3.3	65
78	Violetâ€toâ€Blue Tunable Emission of Arylâ€Substituted Dispirofluoreneâ€“Indenofluorene Isomers by Conformationallyâ€Controllable Intramolecular Excimer Formation. Chemistry - A European Journal, 2011, 17, 10272-10287.	3.3	65
79	Blue Emitting 3â€‰Ïâ€â€“2â€‰Spiro Terfluoreneâ€“Indenofluorene Isomers: A Structureâ€“Properties Relationship Study. Chemistry - A European Journal, 2011, 17, 14031-14046.	3.3	51
80	(2,1â€a)â€Indenofluorene Derivatives: Syntheses, Xâ€ray Structures, Optical and Electrochemical Properties. Chemistry - A European Journal, 2010, 16, 13646-13658.	3.3	52
81	DiSpiroXanthene-IndenoFluorene: A New Blue Emitter for Nondoped Organic Light Emitting Diode Applications. Organic Letters, 2010, 12, 452-455.	4.6	76
82	Encumbered DiSpiro[Fluoreneâ€“IndenoFluorene]: Mechanistic Insights. Chemistry - A European Journal, 2009, 15, 13304-13307.	3.3	39
83	Chiral, Neutral, and Paramagnetic Gold Dithiolene Complexes Derived from Camphorquinone. European Journal of Inorganic Chemistry, 2009, 2009, 5413-5421.	2.0	29
84	The synthesis, physicochemical properties and anodic polymerization of a novel ladder pentaphenylene. Dyes and Pigments, 2009, 83, 339-347.	3.7	13
85	Tuning the Optical Properties of Aryl-Substituted Dispirofluorene-Indenofluorene Isomers through Intramolecular Excimer Formation. Organic Letters, 2009, 11, 4794-4797.	4.6	50
86	New 3Ï€â€2Spiro Ladderâ€Type Phenylene Materials: Synthesis, Physicochemical Properties and Applications in OLEDs. Chemistry - A European Journal, 2008, 14, 11328-11342.	3.3	73
87	Comparative behaviour of the anodic oxidation of mono-, di- and tetra-arylporphyrins: Towards new electroactive materials with variable bandgaps. Journal of Electroanalytical Chemistry, 2008, 623, 204-214.	3.8	28
88	Synthesis of a fluoresceine-derivatized fluorene and its electrogenerated copolymers with fluorene: New pH indicators. Synthetic Metals, 2008, 158, 790-795.	3.9	10
89	Design and electropolymerization of a new optically active iron tetraspirobifluorenyl porphyrin. Synthetic Metals, 2008, 158, 796-801.	3.9	18
90	Anodic oxidation of indenofluorene. Electrodeposition of electroactive poly(indenofluorene). New Journal of Chemistry, 2008, 32, 1259.	2.8	20

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91	New Dispiro Compounds:â€‰ Synthesis and Properties. Organic Letters, 2008, 10, 373-376.	4.6	52
92	Oxidative Rearrangement of Indoles:Â A New Approach to the EFHG-Tetracyclic Core of Diazonamide A. Journal of Organic Chemistry, 2007, 72, 2978-2987.	3.2	43
93	The remarkable effect of the 7-substituent in the diastereoselective oxidative rearrangement of indoles: Asymmetric synthesis of 3,3-disubstituted oxindoles. Chemical Communications, 2007, , 286-288.	4.1	21
94	Dispirofluoreneâ€“Indenofluorene Derivatives as New Building Blocks for Blue Organic Electroluminescent Devices and Electroactive Polymers. Chemistry - A European Journal, 2007, 13, 10055-10069.	3.3	131
95	Facial discrimination in monoarylporphyrins: Synthesis and stereochemical behaviour of bis(ligated) monospirobifluorenylporphyrin ruthenium complexes. Inorganic Chemistry Communication, 2007, 10, 627-630.	3.9	4
96	Dispirofluorene-indenofluorene (DSFIF):â€‰ Synthesis, Electrochemical, and Optical Properties of a Promising New Family of Luminescent Materials. Organic Letters, 2006, 8, 257-260.	4.6	59
97	Electroactive films of poly(tetraphenylporphyrins) with reduced bandgap. Journal of Electroanalytical Chemistry, 2006, 597, 19-27.	3.8	53
98	Anodic oxidation and physicochemical properties of various porphyrin-fluorenes or -spirobifluorenes: Synthesis of new polymers for heterogeneous catalytic reactions. Journal of Electroanalytical Chemistry, 2005, 583, 92-103.	3.8	44
99	Asymmetric heterogeneous carbene transfer catalyzed by optically active ruthenium spirobifluorenylporphyrin polymers. Tetrahedron: Asymmetry, 2005, 16, 1463-1472.	1.8	37
100	The diazo route to diazonamide A: studies on the tyrosine-derived fragment. Organic and Biomolecular Chemistry, 2005, 3, 3805.	2.8	38
101	Stability of Tin Etiopurpurin^{Â¶}. Photochemistry and Photobiology, 2005, 81, 149-153.	2.5	2
102	Stability of Tin EtiopurpurinÂ¶. Photochemistry and Photobiology, 2005, 81, 149.	2.5	6
103	Synthesis and stereochemical studies of di and tetra 9,9â€²-spirobifluorene porphyrins: new building blocks for catalytic material. Tetrahedron, 2004, 60, 145-158.	1.9	42
104	Organic Cross-Linked Electropolymers as Supported Oxidation Catalysts:Â Poly((tetrakis(9,9â€²-spirobifluorenyl)porphyrin)manganese) Films. Inorganic Chemistry, 2004, 43, 5086-5095.	4.0	48
105	Syntheses of Manganese and Iron Tetraspirobifluorene Porphyrins as New Catalysts for Oxidation of Alkenes by Hydrogen Peroxide and Iodosylbenzene.. ChemInform, 2003, 34, no.	0.0	0
106	Syntheses of manganese and iron tetraspirobifluorene porphyrins as new catalysts for oxidation of alkenes by hydrogen peroxide and iodosylbenzene. Tetrahedron Letters, 2003, 44, 1759-1761.	1.4	34
107	Poly(9,9â€²-spirobifluorene-manganese porphyrin): a new catalytic material for oxidation of alkenes by iodobenzene diacetate and iodosylbenzeneElectronic supplementary information (ESI) available: methods for synthesis of all compounds, physical data and detailed procedures for the catalytic oxidations. See http://www.rsc.org/suppdata/cc/b3/b301717f/. Chemical Communications, 2003, , 1104-1105.	4.1	35
108	Poly(ruthenium carbonyl spirobifluorenylporphyrin): a new polymer used as a catalytic device for carbene transferElectronic supplementary information (ESI) available: experimental details. See http://www.rsc.org/suppdata/cc/b3/b306021g/. Chemical Communications, 2003, , 2308.	4.1	42

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109	Anodic behaviour of mono- and bisdithiafulvenyl-9,9â€²-spirobifluorene: insertion of vinylogous TTF into the spirobifluorenyle framework. Journal of Electroanalytical Chemistry, 2002, 530, 33-39.	3.8	19
110	1H-NMR and EPR studies of the electronic structure of low-spin ruthenium(III) isocyanide porphyrin complexes: unusual (dxz,dyz)4 (dxy)1 configuration. Journal of Organometallic Chemistry, 2001, 629, 145-152.	1.8	8
111	New electrochemically synthesized copolymers: poly(difluorenyl-ethylenes). Electrochemistry Communications, 2000, 2, 382-385.	4.7	12
112	An expedient approach to the 2,3,5,6-tetrasubstituted pyridine core of nosiheptide using oxidative cleavage of 2,3,5,8-tetrasubstituted quinolines. Arkivoc, 2000, 2007, 56-63.	0.5	0
113	Journal of Materials Chemistry C Editor's choice web collection: â€˜Spiro compounds for electronicsâ€™. Journal of Materials Chemistry C, 0, , .	5.5	3