

Concepció Rovira

List of Publications by Year in descending order

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393
papers

14,170
citations

18465

62
h-index

33869

99
g-index

426
all docs

426
docs citations

426
times ranked

11012
citing authors

#	ARTICLE	IF	CITATIONS
1	A nanoporous molecular magnet with reversible solvent-induced mechanical and magnetic properties. <i>Nature Materials</i> , 2003, 2, 190-195.	13.3	633
2	Role of Molecular Order and Solid-State Structure in Organic Field-Effect Transistors. <i>Chemical Reviews</i> , 2011, 111, 4833-4856.	23.0	499
3	Novel small molecules for organic field-effect transistors: towards processability and high performance. <i>Chemical Society Reviews</i> , 2008, 37, 827.	18.7	446
4	High Mobility of Dithiophene-Tetrathiafulvalene Single-Crystal Organic Field Effect Transistors. <i>Journal of the American Chemical Society</i> , 2004, 126, 984-985.	6.6	327
5	Correlation between Crystal Structure and Mobility in Organic Field-Effect Transistors Based on Single Crystals of Tetrathiafulvalene Derivatives. <i>Journal of the American Chemical Society</i> , 2004, 126, 8546-8553.	6.6	265
6	Supramolecular Conducting Nanowires from Organogels. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 238-241.	7.2	243
7	Inert carbon free radicals. 8. Polychlorotriphenylmethyl radicals: synthesis, structure, and spin-density distribution. <i>The Journal of Physical Chemistry</i> , 1987, 91, 5608-5616.	2.9	207
8	A robust molecular platform for non-volatile memory devices with optical and magnetic responses. <i>Nature Chemistry</i> , 2011, 3, 359-364.	6.6	192
9	Sulfur K-Edge X-ray Absorption Spectroscopy as a Probe of Ligand-Metal Bond Covalency: A Metal vs Ligand Oxidation in Copper and Nickel Dithiolene Complexes. <i>Journal of the American Chemical Society</i> , 2007, 129, 2316-2326.	6.6	168
10	Attaching Persistent Organic Free Radicals to Surfaces: How and Why. <i>Chemical Reviews</i> , 2012, 112, 2506-2527.	23.0	166
11	Importance of Intermolecular Interactions in Assessing Hopping Mobilities in Organic Field Effect Transistors: A Pentacene versus Dithiophene-tetrathiafulvalene. <i>Journal of the American Chemical Society</i> , 2004, 126, 6544-6545.	6.6	161
12	Tetrathiafulvalene derivatives for organic field effect transistors. <i>Journal of Materials Chemistry</i> , 2006, 16, 433-436.	6.7	140
13	Magnetic Information Storage on Polymers by Using Patterned Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 888-892.	7.2	134
14	A Molecular Multiproperty Switching Array Based on the Redox Behavior of a Ferrocenyl Polychlorotriphenylmethyl Radical. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5266-5268.	7.2	133
15	Bis(ethylenethio)tetrathiafulvalene (BET-TTF) and Related Dissymmetrical Electron Donors: A From the Molecule to Functional Molecular Materials and Devices (OFETs). <i>Chemical Reviews</i> , 2004, 104, 5289-5318.	23.0	132
16	Stable polyradicals with high-spin ground states. 2. Synthesis and characterization of a complete series of polyradicals derived from 2,4,6-trichloro- $\alpha,\alpha,\alpha',\alpha',\alpha''$ -hexakis(pentachlorophenyl)mesitylene with $S = 1/2, 1$, and $3/2$ ground states. <i>Journal of the American Chemical Society</i> , 1993, 115, 57-64.	6.6	131
17	Single-crystal organic field-effect transistors based on dibenzo-tetrathiafulvalene. <i>Applied Physics Letters</i> , 2005, 86, 012110.	1.5	130
18	Synthesis of Several Isomeric Tetrathiafulvalene π -Electron Donors with Peripheral Sulfur Atoms. A Study of Their Radical Cations. <i>Journal of Organic Chemistry</i> , 1994, 59, 3307-3313.	1.7	129

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19	Organic radicals on surfaces: towards molecular spintronics. <i>Journal of Materials Chemistry</i> , 2009, 19, 1691-1695.	6.7	127
20	Ci&H&S and S&S: Two major forces in organic conductors. <i>Advanced Materials</i> , 1995, 7, 233-237.	11.1	120
21	Kondo Effect in a Neutral and Stable All Organic Radical Single Molecule Break Junction. <i>Nano Letters</i> , 2015, 15, 3109-3114.	4.5	117
22	Control of the structural dimensionality in hydrogen-bonded self-assemblies of open-shell molecules. Extension of intermolecular ferromagnetic interactions in \pm -phenyl nitronyl nitroxide radicals into three dimensions. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 709-710.	2.0	114
23	Gold Complexes with Dithiophene Ligands: A Metal Based on a Neutral Molecule. <i>Chemistry - A European Journal</i> , 2001, 7, 511-519.	1.7	114
24	Stable polyradicals with high-spin ground states. 1. Synthesis, separation, and magnetic characterization of the stereoisomers of 2,4,5,6-tetrachloro- $\alpha,\alpha,\alpha,\alpha'$ -tetrakis(pentachlorophenyl)-m-xylylene biradical. <i>Journal of the American Chemical Society</i> , 1991, 113, 2552-2561.	6.6	113
25	Chiral molecular tapes from novel tetra(thiafulvalene-crown-ether)-substituted phthalocyanine building blocks. <i>Chemical Communications</i> , 2005, , 1255-1257.	2.2	111
26	Hydrogen Bonds as a Crystal Design Element for Organic Molecular Solids with Intermolecular Ferromagnetic Interactions. <i>Angewandte Chemie International Edition in English</i> , 1993, 32, 882-884.	4.4	105
27	Novel Fused D&A Dyad and A&A Triad Incorporating Tetrathiafulvalene andp-Benzoquinone. <i>Journal of Organic Chemistry</i> , 2004, 69, 2164-2177.	1.7	104
28	Intramolecular Electron Transfer Mediated by a Tetrathiafulvalene Bridge in a Purely Organic Mixed-Valence System. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2765-2768.	7.2	100
29	High&Performance Single Crystal Organic Field&Effect Transistors Based on Two Dithiophene&Tetrathiafulvalene (DT&TF) Polymorphs. <i>Advanced Materials</i> , 2010, 22, 4198-4203.	11.1	100
30	Molecular Spin Ladders. <i>Chemistry - A European Journal</i> , 2000, 6, 1723-1729.	1.7	98
31	Influence of Topology on the Long-Range Electron-Transfer Phenomenon. <i>Chemistry - A European Journal</i> , 2001, 7, 240-250.	1.7	98
32	Synthesis and Electrochemistry of Electronegative Spiroannelated Methanofullerenes:Â Theoretical Underpinning of the Electronic Effect of Addends and a Reductive Cyclopropane Ring-Opening Reaction. <i>Journal of the American Chemical Society</i> , 1997, 119, 9871-9882.	6.6	95
33	A New Valence Tautomerism Example in an Electroactive Ferrocene Substituted Triphenylmethyl Radical. <i>Journal of the American Chemical Society</i> , 2003, 125, 1462-1463.	6.6	95
34	Structure Determination from Powder X-Ray Diffraction Data of a Hydrogen-Bonded Molecular Solid with Competing Ferromagnetic and Antiferromagnetic Interactions: The 2-(3,4-Dihydroxyphenyl)- \pm -Nitronyl Nitroxide Radical. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 55-57.	4.4	94
35	A Robust Purely Organic Nanoporous Magnet. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1828-1832.	7.2	93
36	Persistent and Transient Open-Shell Species Derived from C60&TTF Cyclohexene-Fused Dyads. <i>Journal of Organic Chemistry</i> , 1998, 63, 5201-5210.	1.7	90

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37	Chiral Teleinduction in the Formation of a Macromolecular Multistate Chiroptical Redox Switch. <i>Advanced Materials</i> , 2005, 17, 2095-2098.	11.1	87
38	Solvent Tuning from Normal to Inverted Marcus Region of Intramolecular Electron Transfer in Ferrocene-Based Organic Radicals. <i>Journal of the American Chemical Society</i> , 2007, 129, 6117-6129.	6.6	87
39	Single Crystal-Like Performance in Solution-Coated Thin-Film Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2016, 26, 2379-2386.	7.8	87
40	Isolated Single-Molecule Magnets on the Surface of a Polymeric Thin Film. <i>Advanced Materials</i> , 2003, 15, 42-45.	11.1	85
41	Electroactive Thiazole Derivatives Capped with Ferrocenyl Units Showing Charge-Transfer Transition and Selective Ion-Sensing Properties: A Combined Experimental and Theoretical Study. <i>Inorganic Chemistry</i> , 2007, 46, 825-838.	1.9	85
42	Role of hydrogen bonds in the propagation of ferromagnetic interactions in organic molecular solids. Part 1. The p-hydroxyphenyl $\dot{\text{I}}$ -nitronyl aminoxy radical case. <i>Journal of Materials Chemistry</i> , 1995, 5, 243-252.	6.7	84
43	Shaping Supramolecular Nanofibers with Nanoparticles Forming Complementary Hydrogen Bonds. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1861-1865.	7.2	82
44	Coexistence of ferro- and antiferromagnetic interactions in a metal-organic radical-based (6,3)-helical network with large channels. <i>Chemical Communications</i> , 2005, , 5035.	2.2	81
45	Noncovalent Control for Bottom-Up Assembly of Functional Supramolecular Wires. <i>Journal of the American Chemical Society</i> , 2006, 128, 12602-12603.	6.6	81
46	Tunneling versus Hopping in Mixed-Valence Oligo- <i>p</i> -phenylenevinylene Polychlorinated Bis(triphenylmethyl) Radical Anions. <i>Journal of the American Chemical Society</i> , 2011, 133, 5818-5833.	6.6	81
47	Efficient High Area OFETs by Solution Based Processing of a π -Electron Rich Donor. <i>Chemistry of Materials</i> , 2006, 18, 4724-4729.	3.2	80
48	Robust Organic Radical Molecular Junctions Using Acetylene Terminated Groups for C-Au Bond Formation. <i>Journal of the American Chemical Society</i> , 2018, 140, 1691-1696.	6.6	79
49	Redox-Tunable Valence Tautomerism in a Cobalt Schiff Base Complex. <i>Inorganic Chemistry</i> , 2000, 39, 617-619.	1.9	77
50	A Robust Nanocontainer Based on a Pure Organic Free Radical. <i>Journal of the American Chemical Society</i> , 2004, 126, 730-731.	6.6	75
51	A Three-State Surface-Confined Molecular Switch with Multiple Channel Outputs. <i>Journal of the American Chemical Society</i> , 2011, 133, 13256-13259.	6.6	75
52	Novel Cu(II) Bis-1,2-dichalcogenene Complexes with Tunable 3D Framework through Alkaline Cation Coordination: A Structural and Theoretical Study. <i>Chemistry - A European Journal</i> , 2004, 10, 1691-1704.	1.7	73
53	Purely Organic Mixed-Valence Molecules with Nanometric Dimensions Showing Long-Range Electron Transfer. Synthesis, and Optical and EPR Studies of a Radical Anion Derived from a Bis(triarylmethyl)Diradical. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 2106-2109.	4.4	71
54	Magnetic molecular metals based on the organic donor molecule BET (BET =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (Bis(ethylenet 984-987.	11.1	71

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55	Spin Density Distribution of $\hat{\pm}$ -Nitronyl Aminoxyl Radicals from Experimental and ab Initio Calculated ESR Isotropic Hyperfine Coupling Constants. <i>Journal of the American Chemical Society</i> , 2000, 122, 11393-11405.	6.6	70
56	Radical para-Benzoic Acid Derivatives: Transmission of Ferromagnetic Interactions through Hydrogen Bonds at Long Distances. <i>Chemistry - A European Journal</i> , 2002, 8, 3635.	1.7	70
57	Large Photoresponsivity in High-Mobility Single-Crystal Organic Field-Effect Phototransistors. <i>ChemPhysChem</i> , 2006, 7, 86-88.	1.0	70
58	The [(DT-TTF) ₂ M(mnt) ₂] Family of Radical Ion Salts: From a Spin Ladder to Delocalised Conduction Electrons That Interact with Localised Magnetic Moments. <i>Chemistry - A European Journal</i> , 1999, 5, 2025-2039.	1.7	67
59	High-mobility tetrathiafulvalene organic field-effect transistors from solution processing. <i>Organic Electronics</i> , 2008, 9, 1101-1106.	1.4	65
60	Ultrasensitive Piezoresistive All-Organic Flexible Thin Films. <i>Advanced Materials</i> , 2010, 22, 977-981.	11.1	64
61	Ferromagnetic interactions in organic/molecular materials. <i>Advanced Materials</i> , 1995, 7, 221-225.	11.1	63
62	Self-assembly of tetrathiafulvalene derivatives at a liquid/solid interface—compositional and constitutional influence on supramolecular ordering. <i>Journal of Materials Chemistry</i> , 2005, 15, 4601.	6.7	63
63	Solvent effect on the morphology and function of novel gel-derived molecular materials. <i>Journal of Materials Chemistry</i> , 2010, 20, 466-474.	6.7	63
64	The four polymorphic modifications of the semiconductor dibenzo-tetrathiafulvalene. <i>CrystEngComm</i> , 2008, 10, 1899.	1.3	62
65	Self-Assembled Monolayers of Electroactive Polychlorotriphenylmethyl Radicals on Au(111). <i>Journal of the American Chemical Society</i> , 2008, 130, 5499-5506.	6.6	62
66	Intra- and Intermolecular Charge Transfer in Aggregates of Tetrathiafulvalene-Triphenylmethyl Radical Derivatives in Solution. <i>Journal of the American Chemical Society</i> , 2013, 135, 6958-6967.	6.6	62
67	Exchange Coupling Inversion in a High-Spin Organic Triradical Molecule. <i>Nano Letters</i> , 2016, 16, 2066-2071.	4.5	60
68	Transition Metal Bisdithiolene Complexes Based on Extended Ligands with Fused Tetrathiafulvalene and Thiophene Moieties: New Single-Component Molecular Metals. <i>Chemistry - A European Journal</i> , 2007, 13, 9841-9849.	1.7	56
69	Self-Assembled Monolayers of a Multifunctional Organic Radical. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2215-2219.	7.2	56
70	An Organic Spin-Ladder Molecular Material. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2324-2326.	4.4	54
71	Synthesis and Doping of a Multifunctional Tetrathiafulvalene-Substituted Poly(isocyanide). <i>Macromolecules</i> , 2007, 40, 7521-7531.	2.2	54
72	Surface-Confined Electroactive Molecules for Multistate Charge Storage Information. <i>Advanced Materials</i> , 2013, 25, 462-468.	11.1	54

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73	Rigidified tetrathiafulvalene [60]fullerene assemblies: towards the control of through-space orientation between both electroactive units. <i>Journal of Materials Chemistry</i> , 2002, 12, 2137-2159.	6.7	53
74	The first Diels-Alder adduct of [60]fullerene with a tetrathiafulvalene. <i>Chemical Communications</i> , 1997, , 659-660.	2.2	52
75	Multistability in a BEDT-TTF Based Molecular Conductor. <i>Journal of the American Chemical Society</i> , 2003, 125, 3948-3953.	6.6	52
76	A New Multifunctional Ferrocenyl-Substituted Ferrocenophane Derivative: Optical and Electronic Properties and Selective Recognition of Mg ²⁺ Ions. <i>Chemistry - A European Journal</i> , 2004, 10, 1815-1826.	1.7	52
77	Chemical control over the energy-level alignment in a two-terminal junction. <i>Nature Communications</i> , 2016, 7, 12066.	5.8	50
78	Tuning Crystal Ordering, Electronic Structure, and Morphology in Organic Semiconductors: Tetrathiafulvalenes as a Model Case. <i>Advanced Functional Materials</i> , 2016, 26, 2256-2275.	7.8	50
79	Bis(aminoaryl) Carbon-Bridged Oligo(phenylenevinylene)s Expand the Limits of Electronic Couplings. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2898-2902.	7.2	50
80	Redox-Induced Gating of the Exchange Interactions in a Single Organic Diradical. <i>ACS Nano</i> , 2017, 11, 5879-5883.	7.3	50
81	Organic field-effect transistors (OFETs) of highly oriented films of dithiophene-tetrathiafulvalene prepared by zone casting. <i>Organic Electronics</i> , 2008, 9, 143-148.	1.4	49
82	Non-invasive intraocular pressure monitoring with a contact lens engineered with a nanostructured polymeric sensing film. <i>Sensors and Actuators A: Physical</i> , 2011, 170, 36-43.	2.0	48
83	Synthesis and Characterization of Radical Cations Derived from Mono- and Biferrocenyl-Substituted 2-Aza-1,3-butadienes: A Study of the Influence of an Asymmetric and Oxidizable Bridge on Intramolecular Electron Transfer. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 2436-2450.	1.0	46
84	Chemical and Constitutional Influences in the Self-Assembly of Functional Supramolecular Hydrogen-Bonded Nanoscopic Fibres. <i>Chemistry - A European Journal</i> , 2006, 12, 9161-9175.	1.7	46
85	Influence of SiO ₂ surface energy on the performance of organic field effect transistors based on highly oriented, zone-cast layers of a tetrathiafulvalene derivative. <i>Journal of Applied Physics</i> , 2008, 104, 054509.	1.1	45
86	Dramatic Influence of the Electronic Structure on the Conductivity through Open and Closed Shell Molecules. <i>Advanced Materials</i> , 2009, 21, 1177-1181.	11.1	45
87	Multichannel Molecular Switch with a Surface-Confined Electroactive Radical Exhibiting Tunable Wetting Properties. <i>Nano Letters</i> , 2011, 11, 4382-4385.	4.5	45
88	Three-Dimensional Open Frameworks Based on Ln ^{III} Ions and Open/Closed Shell PTM Ligands: Synthesis, Structure, Luminescence, and Magnetic Properties. <i>Chemistry - A European Journal</i> , 2011, 17, 3644-3656.	1.7	45
89	Photo-induced intramolecular charge transfer in an ambipolar field-effect transistor based on a π -conjugated donor-acceptor dyad. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3985.	2.7	45
90	Magnetic behavior of a two-leg organic spin-ladder compound. <i>Physical Review B</i> , 1999, 60, 4191-4194.	1.1	44

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91	Proximity-Induced Shiba States in a Molecular Junction. <i>Physical Review Letters</i> , 2017, 118, 117001.	2.9	44
92	Hybrid Molecular Materials Based upon Organic π -Electron Donors and Metal Complexes. Radical Salts of Bis(ethylenethia)tetrathiafulvalene (BET-TTF) with the Octahedral Anions Hexacyanoferrate(III) and Nitroprusside. The First Kappa Phase in the BET-TTF Family. <i>Inorganic Chemistry</i> , 2001, 40, 3526-3533.	1.9	43
93	Self-Assembled Monolayers of Tetrathiafulvalene Derivatives on Au(111): Organization and Electrical Properties. <i>Journal of Physical Chemistry B</i> , 2004, 108, 7213-7218.	1.2	43
94	Induced Self-Assembly of a Tetrathiafulvalene-Based Open-Shell Dyad through Intramolecular Electron Transfer. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11024-11028.	7.2	43
95	Inert carbon free radicals. 3. Monofunctionalized radicals from perchlorotriphenylcarbenium hexachloroantimonate. <i>Journal of Organic Chemistry</i> , 1982, 47, 4498-4505.	1.7	42
96	A new (63) π -(69.81) non-interpenetrated paramagnetic network with helical nanochannels based on a tricarboxylic perchlorotriphenylmethyl radical. <i>Chemical Communications</i> , 2004, , 1164-1165.	2.2	42
97	Synthesis, structural and magnetic properties of a series of copper(ii) complexes containing a monocarboxylated perchlorotriphenylmethyl radical as a coordinating open-shell ligand. <i>Dalton Transactions</i> , 2004, , 1073.	1.6	42
98	Intramolecular electron transfer phenomena in purely organic mixed-valence high-spin ions: A triplet anion case. <i>Advanced Materials</i> , 1996, 8, 748-752.	11.1	41
99	Transmission of Magnetic Interactions through an Organometallic Coupler: A Novel Family of Metallocene-Substituted π -Nitronyl Aminoxy Radicals. <i>Inorganic Chemistry</i> , 1998, 37, 4547-4558.	1.9	41
100	Structural and Magnetic Modulation of a Purely Organic Open Framework by Selective Guest Inclusion. <i>Chemistry - A European Journal</i> , 2007, 13, 8153-8163.	1.7	41
101	A New Photomagnetic Molecular System Based on Photoinduced Self-Assembly of Radicals. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 919-922.	7.2	40
102	Synthesis, X-ray Structure, and Electrochemical Oxidative Coupling Reactions of 1,5- and 2,6-Bis(1,4-dithiafulven-6-yl)naphthalenes. <i>Journal of Organic Chemistry</i> , 1999, 64, 3498-3506.	1.7	39
103	An Electroactive Nitrogen-Rich [4.4]Ferrocenophane Displaying Redox-Switchable Behavior: Selective Sensing, Complexation, and Decomplexation of Mg ²⁺ ions. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1977-1981.	7.2	39
104	Reactivity of Superoxide Anion Radical with a Perchlorotriphenylmethyl (Trityl) Radical. <i>Journal of Physical Chemistry B</i> , 2008, 112, 158-167.	1.2	39
105	Prototype of a Nanostructured Sensing Contact Lens for Noninvasive Intraocular Pressure Monitoring. , 2011, 52, 8310.		39
106	Three-Dimensional Porous Metal-Radical Frameworks Based on Triphenylmethyl Radicals. <i>Chemistry - A European Journal</i> , 2012, 18, 152-162.	1.7	38
107	Self-Assembled Tetragonal Prismatic Molecular Cage Highly Selective for Anionic π Guests. <i>Chemistry - A European Journal</i> , 2013, 19, 1445-1456.	1.7	38
108	Pressure-Induced Conductivity in a Neutral Nonplanar Spin-Localized Radical. <i>Journal of the American Chemical Society</i> , 2016, 138, 11517-11525.	6.6	38

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109	Organic metal engineering for enhanced field-effect transistor performance. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26545-26552.	1.3	37
110	Molecular Approach to Electrochemically Switchable Monolayer MoS ₂ Transistors. <i>Advanced Materials</i> , 2020, 32, e2000740.	11.1	37
111	Three-Dimensional Six-Connecting Organic Building Blocks Based on Polychlorotriphenylmethyl Units: Synthesis, Self-Assembly, and Magnetic Properties. <i>Chemistry - A European Journal</i> , 2006, 12, 9238-9253.	1.7	36
112	Rich Phase Behavior in a Supramolecular Conducting Material Derived from an Organogelator. <i>Advanced Functional Materials</i> , 2009, 19, 934-941.	7.8	36
113	The First Oriented Thin Films Based on a Nitronyl Nitroxide Radical. <i>Advanced Materials</i> , 1998, 10, 608-610.	11.1	35
114	Ferromagnetic interactions between triphenylmethyl radicals through an organometallic coupler. <i>Chemical Communications</i> , 1999, , 579-580.	2.2	34
115	Bottom-up assembly of high density molecular nanowire cross junctions at a solid/liquid interface. <i>Chemical Communications</i> , 2008, , 703-705.	2.2	34
116	Crystal Structures of Chiral Diastereoisomers of a Carbon-Based High-Spin Molecule. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 330-333.	7.2	33
117	Alkaline Side-Coordination Strategy for the Design of Nickel(II) and Nickel(III) Bis(1,2-diselenolene) Complex Based Materials. <i>Inorganic Chemistry</i> , 2004, 43, 3631-3641.	1.9	33
118	Organic Spin Ladders from Tetrathiafulvalene (TTF) Derivatives. <i>Advanced Functional Materials</i> , 2005, 15, 1023-1035.	7.8	33
119	The Interplay of Inverted Redox Potentials and Aromaticity in the Oxidized States of New π -Electron Donors: 9-(1,3-Dithiol-2-ylidene)fluorene and 9-(1,3-Dithiol-2-ylidene)thioxanthene Derivatives. <i>Chemistry - A European Journal</i> , 2006, 12, 3389-3400.	1.7	33
120	Coupling Tetracyanoquinodimethane to Tetrathiafulvalene: A Fused TCNQ-TTF-TCNQ Triad. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10902-10906.	7.2	33
121	A very bulky carboxylic perchlorotriphenylmethyl radical as a novel ligand for transition metal complexes. A new spin frustrated metal system. <i>Chemical Communications</i> , 2002, , 2958-2959.	2.2	32
122	First-Row Transition-Metal Complexes Based on a Carboxylate Polychlorotriphenylmethyl Radical: Trends in Metal-Radical Exchange Interactions. <i>Inorganic Chemistry</i> , 2007, 46, 1627-1633.	1.9	32
123	A three-dimensional lanthanide-organic radical open-framework. <i>Chemical Communications</i> , 2008, , 3160.	2.2	32
124	Electron-Withdrawing Substituted Tetrathiafulvalenes as Ambipolar Semiconductors. <i>Chemistry of Materials</i> , 2011, 23, 851-861.	3.2	32
125	Thermomagnetic Molecular System Based on TTF-PTM Radical: Switching the Spin and Charge Delocalization. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2721-2726.	2.1	32
126	Radical salts of the organic donor BET-TTF with polyoxometalate clusters. <i>Journal of Materials Chemistry</i> , 1998, 8, 313-317.	6.7	31

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127	New Transparent Metal-like Bilayer Composite Films with Highly Conducting Layers of Γ -(BET-TTF) $2Br \cdot 3H_2O$ Nanocrystals. <i>Advanced Functional Materials</i> , 2001, 11, 299-303.	7.8	31
128	Novel Cu(III) bis-1,2-diselenolene complex with a highly extended 3D framework through Na ⁺ coordination. <i>CrystEngComm</i> , 2002, 4, 564.	1.3	31
129	Two-Leg Molecular Ladders Formed by Hierarchical Self-Assembly of an Organic Radical. <i>Journal of the American Chemical Society</i> , 2009, 131, 6246-6252.	6.6	31
130	Detection of the Early Stage of Recombinational DNA Repair by Silicon Nanowire Transistors. <i>Nano Letters</i> , 2012, 12, 1275-1281.	4.5	31
131	Nonlinear optical properties of polychlorotriphenylmethyl radicals: towards the design of 'super-octupolar' molecules. <i>Chemical Physics Letters</i> , 2002, 363, 245-251.	1.2	30
132	Influence of bridge topology and torsion on the intramolecular electron transfer. <i>Faraday Discussions</i> , 2006, 131, 291-305.	1.6	30
133	A hexacarboxylic open-shell building block: synthesis, structure and magnetism of a three-dimensional metal-radical framework. <i>Journal of Materials Chemistry</i> , 2008, 18, 98-108.	6.7	30
134	Negative differential resistance (NDR) in similar molecules with distinct redox behaviour. <i>Chemical Communications</i> , 2011, 47, 4664.	2.2	30
135	A Compact Tetrathiafulvalene-Benzothiadiazole Dyad and Its Highly Symmetrical Charge-Transfer Salt: Ordered Donor-Stacks Closely Bound to Their Acceptors. <i>Chemistry - A European Journal</i> , 2014, 20, 7136-7143.	1.7	29
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