ConcepciÃ³ Rovira

List of Publications by Year
in descending order

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393 papers	14,170 citations	18482 62 h-index	33894 99 g-index
426 all docs	426 docs citations	426 times ranked	11012 citing authors

#	Article	IF	Citations
1	Photoswitching activation of a ferrocenyl-stilbene analogue by its covalent grafting to gold. Physical Chemistry Chemical Physics, 2022, 24, 6185-6192.	2.8	4
2	Functionalising the gate dielectric of organic field-effect transistors with self-assembled monolayers: effect of molecular electronic structure on device performance. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	3
3	Allocation of Ambipolar Charges on an Organic Diradical with a Vinyleneâ€“Phenylenediyne Bridge. Journal of Physical Chemistry Letters, 2021, 12, 6159-6164.	4.6	2
4	Biasâ€Polarityâ€Dependent Direct and Inverted Marcus Charge Transport Affecting Rectification in a Redoxâ€Active Molecular Junction. Advanced Science, 2021, 8, e2100055.	11.2	14
5	Tetramethylbenzidineâ€“TetrafluoroTCNQ (TMBâ€“TCNQF₄): A Narrow-Gap Semiconducting Salt with Room-Temperature Relaxor Ferroelectric Behavior. Journal of Physical Chemistry C, 2021, 125, 25816-25824.	3.1	2
6	Exploiting the versatile alkyne-based chemistry for expanding the applications of a stable triphenylmethyl organic radical on surfaces. Chemical Science, 2020, 11, 516-524.	7.4	20
7	Reversal of the Direction of Rectification Induced by Fermi Level Pinning at Moleculeâ€“Electrode Interfaces in Redox-Active Tunneling Junctions. ACS Applied Materials & Interfaces, 2020, 12, 55044-55055.	8.0	21
8	Stability of radical-functionalized gold surfaces by self-assembly and on-surface chemistry. Chemical Science, 2020, 11, 9162-9172.	7.4	12
9	Electrocatalytic oxidative Z/E isomerization of a stilbene favoured by the presence of an electroactive persistent radical. Chemical Communications, 2020, 56, 14211-14214.	4.1	1
10	Molecular Approach to Electrochemically Switchable Monolayer MoS₂ Transistors. Advanced Materials, 2020, 32, e2000740.	21.0	37
11	Neutral Organic Radical Formation by Chemisorption on Metal Surfaces. Journal of Physical Chemistry Letters, 2020, 11, 3897-3904.	4.6	11
12	On the Sensing Mechanisms of a Hydroresistive Flexible Film Based on an Organic Molecular Metal. ACS Applied Electronic Materials, 2019, 1, 1781-1791.	4.3	1
13	Perylene Ï€â€Bridges Equally Delocalize Anions and Cations: Proportioned Quinoidal and Aromatic Content. Angewandte Chemie - International Edition, 2019, 58, 14467-14471.	13.8	21
14	Perylene Ï€â€Bridges Equally Delocalize Anions and Cations: Proportioned Quinoidal and Aromatic Content. Angewandte Chemie, 2019, 131, 14609-14613.	2.0	10
15	EGOFET Gated by a Molecular Electronic Switch: A Singleâ€Device Memory Cell. Advanced Electronic Materials, 2019, 5, 1800875.	5.1	7
16	Two-dimensional self-assembly and electrical properties of the donor-acceptor tetrathiafulvalene-polychlorotriphenylmethyl radical on graphite substrates. Journal of Applied Physics, 2019, 125, 142909.	2.5	5
17	Synthesis of a vinylogue tetrathiafulvalene derivative and study of its charge transfer complex with TCNQF4. Synthetic Metals, 2019, 247, 144-150.	3.9	17
18	Role of the Openâ€Shell Character on the Pressureâ€Induced Conductivity of an Organic Donorâ€“Acceptor Radical Dyad. Chemistry - A European Journal, 2018, 24, 5500-5505.	3.3	14

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19	Electrochemically driven hostâ€“guest interactions on patterned donor/acceptor self-assembled monolayers. Chemical Communications, 2018, 54, 3038-3041.	4.1	5
20	Extensive study of the electron donor 1,1,4,4-tetrathiabutadiene (TTB) and of its charge transfer crystal with TCNQ. Synthetic Metals, 2018, 235, 29-33.	3.9	4
21	Fluid Mixing for Lowâ€Power â€˜Digital Microfluidicsâ€™ Using Electroactive Molecular Monolayers. Small, 2018, 14, 1703344.	10.0	10
22	Robust Organic Radical Molecular Junctions Using Acetylene Terminated Groups for Câ€“Au Bond Formation. Journal of the American Chemical Society, 2018, 140, 1691-1696.	13.7	79
23	Oligothienylenevinylene Polarons and Bipolarons Confined between Electronâ€Accepting Perchlorotriphenylmethyl Radicals. Chemistry - A European Journal, 2018, 24, 3776-3783.	3.3	4
24	Synergistic Exploitation of the Superoxide Scavenger Properties of Reduced Graphene Oxide and a Trityl Organic Radical for the Impedimetric Sensing of Xanthine. Advanced Materials Interfaces, 2018, 5, 1701072.	3.7	8
25	2D organic molecular metallic soft material derived from BEDO-TTF with electrochromic and rectifying properties. Npj Flexible Electronics, 2018, 2, .	10.7	4
26	Self-Assembly of an Organic Radical Thin Film and Its Memory Function Investigated Using a Liquid-Metal Electrode. Journal of Physical Chemistry C, 2018, 122, 17784-17791.	3.1	11
27	Design of Perchlorotriphenylmethyl (PTM) Radicalâ€Based Compounds for Optoelectronic Applications: The Role of Orbital Delocalization. ChemPhysChem, 2018, 19, 2572-2578.	2.1	17
28	Mixed stack charge transfer crystals: Crossing the neutral-ionic borderline by chemical substitution. Physical Review Materials, 2018, 2, .	2.4	16
29	Investigation of sensing capabilities of organic bi-layer thermistor in wearable e-textile and wireless sensing devices. Organic Electronics, 2017, 42, 146-152.	2.6	28
30	Bis(aminoaryl) Carbonâ€Bridged Oligo(phenylenevinylene)s Expand the Limits of Electronic Couplings. Angewandte Chemie - International Edition, 2017, 56, 2898-2902.	13.8	50
31	Study of the Eâ€“Z stilbene isomerisation in perchlorotriphenyl-methane (PTM) derivatives. RSC Advances, 2017, 7, 15278-15283.	3.6	7
32	Visible and near-IR spectroscopy of endohedral Gd@C82(C 2v) and Ho@C82(C 2v) metallofullerenes and their monoanions. Russian Journal of Physical Chemistry A, 2017, 91, 536-542.	0.6	2
33	Redox-Induced Gating of the Exchange Interactions in a Single Organic Diradical. ACS Nano, 2017, 11, 5879-5883.	14.6	50
34	A four-state capacitance molecular switch based on a redox active tetrathiafulvalene self-assembled monolayer. RSC Advances, 2017, 7, 5636-5641.	3.6	20
35	Direct covalent grafting of an organic radical core on gold and silver. RSC Advances, 2017, 7, 20076-20083.	3.6	10
36	Proximity-Induced Shiba States in a Molecular Junction. Physical Review Letters, 2017, 118, 117001.	7.8	44

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37	Operative Mechanism of Hole-Assisted Negative Charge Motion in Ground States of Radical-Anion Molecular Wires. Journal of the American Chemical Society, 2017, 139, 686-692.	13.7	25
38	Gold and nickel alkyl substituted bis-thiophenedithiolene complexes: anionic and neutral forms. Inorganic Chemistry Frontiers, 2017, 4, 270-280.	6.0	13
39	Mixed Stack Organic Semiconductors: The Anomalous Case of the BTBT-TCNQF_x Series. Crystal Growth and Design, 2017, 17, 6255-6261.	3.0	18
40	Covalent Modification of Highly Ordered Pyrolytic Graphite with a Stable Organic Free Radical by Using Diazonium Chemistry. Chemistry - A European Journal, 2017, 23, 1415-1421.	3.3	14
41	TTFâ€“PTM dyads: from switched molecular self assembly in solution to radical conductors in solid state. CrystEngComm, 2017, 19, 197-206.	2.6	18
42	Highly sensitive multi-layer pressure sensor with an active nanostructured layer of an organic molecular metal. IOP Conference Series: Materials Science and Engineering, 2016, 108, 012038.	0.6	1
43	Synthesis and Characterization of Ethylenedithio-MPTTF-PTM Radical Dyad as a Potential Neutral Radical Conductor. Magnetochemistry, 2016, 2, 46.	2.4	4
44	Structural and electronic characterisation of Ï€-extended tetrathiafulvalene derivatives as active components in field-effect transistors. CrystEngComm, 2016, 18, 6149-6152.	2.6	10
45	Single Crystalâ€Like Performance in Solutionâ€Coated Thinâ€Film Organic Fieldâ€Effect Transistors. Advanced Functional Materials, 2016, 26, 2379-2386.	14.9	87
46	Donor/Acceptor Mixed Selfâ€Assembled Monolayers for Realising a Multiâ€Redoxâ€State Surface. ChemPhysChem, 2016, 17, 1810-1814.	2.1	15
47	Determination of molar extinction coefficients for endohedral metallofullerene Dy@C82(C2v). Russian Chemical Bulletin, 2016, 65, 2421-2424.	1.5	0
48	Understanding the Influence of the Electronic Structure on the Crystal Structure of a TTF-PTM Radical Dyad. Journal of Physical Chemistry A, 2016, 120, 10297-10303.	2.5	5
49	Attractive mechanical properties of a lightweight highly sensitive bi layer thermistor: polycarbonate/organic molecular conductor. IOP Conference Series: Materials Science and Engineering, 2016, 108, 012050.	0.6	2
50	A redox-active radical as an effective nanoelectronic component: stability and electrochemical tunnelling spectroscopy in ionic liquids. Physical Chemistry Chemical Physics, 2016, 18, 27733-27737.	2.8	7
51	Chemical control over the energy-level alignment in a two-terminal junction. Nature Communications, 2016, 7, 12066.	12.8	50
52	Pressure-Induced Conductivity in a Neutral Nonplanar Spin-Localized Radical. Journal of the American Chemical Society, 2016, 138, 11517-11525.	13.7	38
53	DT-TTF Salts with [Cu(dcdmp)₂]^{â^'}: The Richness of Different Stoichiometries. Crystal Growth and Design, 2016, 16, 3924-3931.	3.0	7
54	Tuning Crystal Ordering, Electronic Structure, and Morphology in Organic Semiconductors: Tetrathiafulvalenes as a Model Case. Advanced Functional Materials, 2016, 26, 2256-2275.	14.9	50

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55	Exchange Coupling Inversion in a High-Spin Organic Triradical Molecule. Nano Letters, 2016, 16, 2066-2071.	9.1	60
56	Fabrication and Application of Low Cost Flexible Film-Based Sensors to Environmental and Biomedical Monitoring Scenarios. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 203-216.	0.3	0
57	Approach to Engineering the Temperature Sensing E-textile: A Lightweight Thermistor as an Active Sensing Element. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 223-234.	0.3	1
58	Synthesis and characterization of endohedral metallofulleride K(18-crown-6)[Ho@C82(C 2v)]. Russian Chemical Bulletin, 2015, 64, 2473-2476.	1.5	3
59	A Methylâ€Substituted Thiopheneâ€“TetraÂthiafulvalene Donor and Its Salts. European Journal of Inorganic Chemistry, 2015, 2015, 5003-5010.	2.0	2
60	A Highly Sensitive Pyroresistive Allâ€Organic Infrared Bolometer. Advanced Electronic Materials, 2015, 1, 1500090.	5.1	21
61	Pyreneâ€Based Dyad and Triad Leading to a Reversible Chemical and Redox Optical and Magnetic Switch. Chemistry - A European Journal, 2015, 21, 5504-5509.	3.3	5
62	Dithiophene-TTF Salts; New Ladder Structures and Spin-Ladder Behavior. Inorganic Chemistry, 2015, 54, 7000-7006.	4.0	8
63	Changes of the Molecular Structure in Organic Thin Film Transistors during Operation. Journal of Physical Chemistry C, 2015, 119, 15912-15918.	3.1	10
64	Kondo Effect in a Neutral and Stable All Organic Radical Single Molecule Break Junction. Nano Letters, 2015, 15, 3109-3114.	9.1	117
65	Selfâ€Assembled Architectures with Segregated Donor and Acceptor Units of a Dyad Based on a Monopyrroloâ€Annulated TTFâ€“PTM Radical. Chemistry - A European Journal, 2015, 21, 8816-8825.	3.3	25
66	Organic metal engineering for enhanced field-effect transistor performance. Physical Chemistry Chemical Physics, 2015, 17, 26545-26552.	2.8	37
67	Deposition of composite materials using a wire-bar coater for achieving processability and air-stability in Organic Field-Effect Transistors (OFETs). Proceedings of SPIE, 2015, , .	0.8	0
68	Multi-layer Pressure Sensor Designed for Pressure Ranges up to 500 Bars: Polycrystalline Organic Molecular Metal is at Play. Procedia Engineering, 2014, 87, 1135-1138.	1.2	4
69	HOMO Stabilisation in Ï€â€Extended Dibenzotetrathiafulvalene Derivatives for Their Application in Organic Fieldâ€Effect Transistors. Chemistry - A European Journal, 2014, 20, 16672-16679.	3.3	14
70	Intramolecular electron transfer and charge delocalization in bistable donorâ€“acceptor systems based on perchlorotriphenylmethyl radicals linked to ferrocene and tetrathiafulvalene units. Journal of Physical Organic Chemistry, 2014, 27, 465-469.	1.9	14
71	A Compact Tetrathiafulvaleneâ€“Benzothiadiazole Dyad and Its Highly Symmetrical Chargeâ€Transfer Salt: Ordered Donor Ï€â€Stacks Closely Bound to Their Acceptors. Chemistry - A European Journal, 2014, 20, 7136-7143.	3.3	29
72	Diradicals acting through diamagnetic phenylene vinylene bridges: Raman spectroscopy as a probe to characterize spin delocalization. Journal of Chemical Physics, 2014, 140, 164903.	3.0	6

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73	A new (TTF)₁₁I₈organic molecular conductor: from single crystals to flexible all-organic piezoresistive films. Journal of Materials Chemistry C, 2014, 2, 139-146.	5.5	6
74	Silk/molecular conductor bilayer thin-films: properties and sensing functions. Materials Horizons, 2014, 1, 522-528.	12.2	17
75	Tuning the Electronic Properties of Piezoresistive Bilayer Films Based on Î±â€(BEDTâ€TTF)₂I₃. European Journal of Inorganic Chemistry, 2014, 2014, 3927-3932.	2.0	8
76	Restraints in low dimensional organic semiconductor devices at high current densities. Organic Electronics, 2014, 15, 211-215.	2.6	1
77	Wireless Sensor Node with Ultrasensitive Film Sensors for Emergency Applications. Procedia Engineering, 2014, 87, 520-523.	1.2	3
78	Conductive Fabric Responding to Extremely Small Temperature Changes. Procedia Engineering, 2014, 87, 144-147.	1.2	5
79	COMMON SENSE: Cost-effective sensors, interoperable with international existing ocean observing systems, to meet EU policies requirements. , 2014, , .		3
80	Surfaceâ€Confined Electroactive Molecules for Multistate Charge Storage Information. Advanced Materials, 2013, 25, 462-468.	21.0	54
81	Electrochemical and magnetic properties of a surface-grafted novel endohedral metallofullerene derivative. Chemical Communications, 2013, 49, 8145.	4.1	9
82	Electrochemical and chemical tuning of the surface wettability of tetrathiafulvalene self-assembled monolayers. Chemical Communications, 2013, 49, 8084.	4.1	17
83	Intramolecular electron transfer in the photodimerisation product of a tetrathiafulvalene derivative in solution and on a surface. Chemical Science, 2013, 4, 307-310.	7.4	15
84	Solid state photodimerisation of tetrathiafulvalene derivatives bearing carboxylate and carboxylic acid substituents. CrystEngComm, 2013, 15, 9878.	2.6	12
85	Robust molecular micro-capsules for encapsulating and releasing hydrophilic contents. Chemical Communications, 2013, 49, 7827.	4.1	3
86	Photo-induced intramolecular charge transfer in an ambipolar field-effect transistor based on a Ï€-conjugated donorâ“acceptor dyad. Journal of Materials Chemistry C, 2013, 1, 3985.	5.5	45
87	Selfâ€Assembled Tetragonal Prismatic Molecular Cage Highly Selective for Anionic Ï€ Guests. Chemistry - A European Journal, 2013, 19, 1445-1456.	3.3	38
88	Harnessing Electron Transfer from the Perchlorotriphenylmethide Anion to Y@C₈₂(C₂v) to Engineer an Endometallofullereneâ€Based Salt. ChemPhysChem, 2013, 14, 1670-1675.	2.1	13
89	(Î±-DT-TTF)2[Au(mnt)2]: A Weakly Disordered Molecular Spin-Ladder System. Inorganic Chemistry, 2013, 52, 5300-5306.	4.0	20
90	Intra- and Intermolecular Charge Transfer in Aggregates of Tetrathiafulvalene-Triphenylmethyl Radical Derivatives in Solution. Journal of the American Chemical Society, 2013, 135, 6958-6967.	13.7	62

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91	Thermomagnetic Molecular System Based on TTF-PTM Radical: Switching the Spin and Charge Delocalization. Journal of Physical Chemistry Letters, 2013, 4, 2721-2726.	4.6	32
92	Î±â€Dithiopheneâ€tetrathiafulvalene â€“ a Detailed Study of an Electronic Donor and Its Derivatives. European Journal of Inorganic Chemistry, 2013, 2013, 2440-2446.	2.0	9
93	The perchlorotriphenylmethyl (PTM) radical. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 255-257.	0.4	10
94	Hybrid contact lens capable of intraocular pressure monitoring in noninvasive way. , 2013, , .		2
95	Tetrathiafulvaleneâ€Based Mixedâ€Valence Acceptorâ€“Donorâ€“Acceptor Triads: A Joint Theoretical and Experimental Approach. Chemistry - A European Journal, 2013, 19, 16656-16664.	3.3	13
96	PTM Radicals for Molecular-Based Electronic Devices. Advances in Atom and Single Molecule Machines, 2013, , 71-85.	0.0	0
97	Induced Selfâ€Assembly of a Tetrathiafulvaleneâ€Based Openâ€Shell Dyad through Intramolecular Electron Transfer. Angewandte Chemie - International Edition, 2012, 51, 11024-11028.	13.8	43
98	All-Organic Humidity Sensing Films with Electrical Detection Principle Suitable to Biomedical Applications. Procedia Engineering, 2012, 47, 603-606.	1.2	4
99	Microstructured objects produced by the supramolecular hierarchical assembly of an organic free radical gathering hydrophobic-amphiphilic characteristics. Chemical Science, 2012, 3, 1958.	7.4	17
100	Organic metalâ€“organic semiconductor blended contacts in single crystal field-effect transistors. Journal of Materials Chemistry, 2012, 22, 16011.	6.7	14
101	Attaching Persistent Organic Free Radicals to Surfaces: How and Why. Chemical Reviews, 2012, 112, 2506-2527.	47.7	166
102	Detection of the Early Stage of Recombinational DNA Repair by Silicon Nanowire Transistors. Nano Letters, 2012, 12, 1275-1281.	9.1	31
103	Evidence of intrinsic ambipolar charge transport in a high band gap organic semiconductor. Journal of Materials Chemistry, 2012, 22, 345-348.	6.7	11
104	Charge transport through unpaired spin-containing molecules on surfaces. Journal of Materials Chemistry, 2012, 22, 13883.	6.7	16
105	Towards Flexible Lightweight Strain Sensors with Low Temperature Coefficient of Resistance. Procedia Engineering, 2012, 47, 857-860.	1.2	0
106	(DTâ€TTF)₂[Pd(mnt)₂]: An unusual ionic salt. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 1134-1136.	0.8	8
107	Phase recognition by lattice phonon Raman spectra: The triclinic structure of the organic semiconductor dibenzo-tetrathiafulvalene. Chemical Physics Letters, 2012, 523, 74-77.	2.6	12
108	Role of geometry, substrate and atmosphere on performance of OFETs based on TTF derivatives. Organic Electronics, 2012, 13, 121-128.	2.6	18

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109	Polycarbonate films metalized with a single component molecular conductor suited to strain and stress sensing applications. Organic Electronics, 2012, 13, 894-898.	2.6	8
110	Threeâ€Dimensional Porous Metalâ€“Radical Frameworks Based on Triphenylmethyl Radicals. Chemistry - A European Journal, 2012, 18, 152-162.	3.3	38
111	Electronic and structural characterisation of a tetrathiafulvalene compound as a potential candidate for ambipolar transport properties. CrystEngComm, 2011, 13, 6597.	2.6	19
112	Negative differential resistance (NDR) in similar molecules with distinct redox behaviour. Chemical Communications, 2011, 47, 4664.	4.1	30
113	Multichannel Molecular Switch with a Surface-Confined Electroactive Radical Exhibiting Tunable Wetting Properties. Nano Letters, 2011, 11, 4382-4385.	9.1	45
114	Tunneling versus Hopping in Mixed-Valence Oligo-p-phenylenevinylene Polychlorinated Bis(triphenylmethyl) Radical Anions. Journal of the American Chemical Society, 2011, 133, 5818-5833.	13.7	81
115	Electron-Withdrawing Substituted Tetrathiafulvalenes as Ambipolar Semiconductors. Chemistry of Materials, 2011, 23, 851-861.	6.7	32
116	Benzodicarbomethoxytetrathiafulvalene Derivatives as Soluble Organic Semiconductors. Journal of Organic Chemistry, 2011, 76, 154-163.	3.2	19
117	Novel Guests for Porous Columnar Thin Films: The Switchable Perchlorinated Trityl Radical Derivatives. Langmuir, 2011, 27, 5098-5106.	3.5	9
118	Highly piezoresistive textiles based on a soft conducting charge transfer salt. Journal of Materials Chemistry, 2011, 21, 637-640.	6.7	24
119	A Three-State Surface-Confined Molecular Switch with Multiple Channel Outputs. Journal of the American Chemical Society, 2011, 133, 13256-13259.	13.7	75
120	A robust molecular platform for non-volatile memory devices with optical and magnetic responses. Nature Chemistry, 2011, 3, 359-364.	13.6	192
121	Non-invasive intraocular pressure monitoring with a contact lens engineered with a nanostructured polymeric sensing film. Sensors and Actuators A: Physical, 2011, 170, 36-43.	4.1	48
122	Role of Molecular Order and Solid-State Structure in Organic Field-Effect Transistors. Chemical Reviews, 2011, 111, 4833-4856.	47.7	499
123	Ni-2,3-thiophenedithiolate Anions in New Architectures: An In-Line Mixed-Valence Ni Dithiolene (Ni4-S12) Cluster. European Journal of Inorganic Chemistry, 2011, 2011, 4807-4815.	2.0	11
124	Coupling Tetracyanoquinodimethane to Tetrathiafulvalene: A Fused TCNQâ€“TTFâ€“TCNQ Triad. Angewandte Chemie - International Edition, 2011, 50, 10902-10906.	13.8	33
125	Threeâ€Dimensional Openâ€Frameworks Based on Ln^{III}Ions and Openâ€/Closedâ€Shell PTM Ligands: Synthesis, Structure, Luminescence, and Magnetic Properties. Chemistry - A European Journal, 2011, 17, 3644-3656.	3.3	45
126	Prototype of a Nanostructured Sensing Contact Lens for Noninvasive Intraocular Pressure Monitoring. , 2011, 52, 8310.		39

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127	Lightweight biocompatible physical sensors: Polymeric films “self-metallized” with organic molecular conductors. , 2011, , .		2
128	Discrete Portable Measuring Device for Monitoring Noninvasive Intraocular Pressure with a Nano-Structured Sensing Contact Lens Prototype. International Journal of E-Health and Medical Communications, 2011, 2, 1-19.	1.6	1
129	Ultrasensitive Piezoresistive Allâ€Organic Flexible Thin Films. Advanced Materials, 2010, 22, 977-981.	21.0	64
130	Highâ€Performance Single Crystal Organic Fieldâ€Effect Transistors Based on Two Dithiopheneâ€Tetrathiafulvalene (DTâ€TTF) Polymorphs. Advanced Materials, 2010, 22, 4198-4203.	21.0	100
131	Anisotropy in structural and physical properties in tetrathiafulvalene derivatives-based zone-cast layers as seen by Raman spectroscopy, UV-visible spectroscopy, and field effect measurements. Journal of Applied Physics, 2010, 108, 014504.	2.5	18
132	Solvent effect on the morphology and function of novel gel-derived molecular materials. Journal of Materials Chemistry, 2010, 20, 466-474.	6.7	63
133	Metal-Radical Chains Based on Polychlorotriphenylmethyl Radicals: Synthesis, Structure, and Magnetic Properties. Inorganic Chemistry, 2010, 49, 3482-3488.	4.0	10
134	Innocence and noninnocence of the ligands in bis(pyrazine-2,3-dithiolate and -diselonate) d8-metal complexes. A theoretical and experimental study for the Cu(iii), Au(iii) and Ni(ii) cases. Dalton Transactions, 2010, 39, 4566.	3.3	27
135	Specific solvent effects on the intramolecular electron transfer reaction in a neutral ferrocene donor polychlorotriphenylmethyl acceptor radical with extended conjugation. Solid State Sciences, 2009, 11, 786-792.	3.2	11
136	Rich Phase Behavior in a Supramolecular Conducting Material Derived from an Organogelator. Advanced Functional Materials, 2009, 19, 934-941.	14.9	36
137	Dramatic Influence of the Electronic Structure on the Conductivity through Openâ€and Closedâ€Shell Molecules. Advanced Materials, 2009, 21, 1177-1181.	21.0	45
138	Ground State Electronic Interactions in Macrocyclic Fullerene Bisâ€Adducts Functionalized with Bridging Conjugated Oligomers. European Journal of Organic Chemistry, 2009, 2009, 5779-5787.	2.4	9
139	Two-Leg Molecular Ladders Formed by Hierarchical Self-Assembly of an Organic Radical. Journal of the American Chemical Society, 2009, 131, 6246-6252.	13.7	31
140	Organic radicals on surfaces: towards molecular spintronics. Journal of Materials Chemistry, 2009, 19, 1691-1695.	6.7	127
141	Crystal engineering in molecular magnetism. CrystEngComm, 2009, , .	2.6	0
142	Magnetisation inverted hysteresis loops in the molecular magnets [M(Cp*)2][Ni(Î±-tpdt)2] (M = Fe, Mn). Dalton Transactions, 2009, , 4176.	3.3	11
143	Metallocenium Salts of Nickel Bis(Î±-thiophenedithiolate) [M(Cp*)2][Ni(Î±-tpdt)2] (M = Fe, Mn, Cr) - Metamagnetism and Magnetic Frustration. European Journal of Inorganic Chemistry, 2008, 2008, 5327-5337.	2.0	14
144	Shaping Supramolecular Nanofibers with Nanoparticles Forming Complementary Hydrogen Bonds. Angewandte Chemie - International Edition, 2008, 47, 1861-1865.	13.8	82

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145	High-mobility tetrathiafulvalene organic field-effect transistors from solution processing. Organic Electronics, 2008, 9, 1101-1106.	2.6	65
146	Organic field-effect transistors (OFETs) of highly oriented films of dithiophene-tetrathiafulvalene prepared by zone casting. Organic Electronics, 2008, 9, 143-148.	2.6	49
147	Novel small molecules for organic field-effect transistors: towards processability and high performance. Chemical Society Reviews, 2008, 37, 827.	38.1	446
148	Infrared investigation of the charge ordering pattern in the organic spin ladder candidate (DTTTF)2Cu(mnt)2. Solid State Sciences, 2008, 10, 1740-1744.	3.2	6
149	Thin layers of new salt, BET-TTF[Ni(dmit)2]2, electrodeposited on silicon wafers. Solid State Sciences, 2008, 10, 1777-1779.	3.2	0
150	Sub-50 nm positioning of organic compounds onto silicon oxide patterns fabricated by local oxidation nanolithography. Nanotechnology, 2008, 19, 455308.	2.6	27
151	The four polymorphic modifications of the semiconductor dibenzo-tetrathiafulvalene. CrystEngComm, 2008, 10, 1899.	2.6	62
152	Self-Assembled Monolayers of Electroactive Polychlorotriphenylmethyl Radicals on Au(111). Journal of the American Chemical Society, 2008, 130, 5499-5506.	13.7	62
153	Bottom-up assembly of high density molecular nanowire cross junctions at a solid/liquid interface. Chemical Communications, 2008, , 703-705.	4.1	34
154	A hexacarboxylic open-shell building block: synthesis, structure and magnetism of a three-dimensional metalâ€“radical framework. Journal of Materials Chemistry, 2008, 18, 98-108.	6.7	30
155	A three-dimensional lanthanide-organic radical open-framework. Chemical Communications, 2008, , 3160.	4.1	32
156	Reactivity of Superoxide Anion Radical with a Perchlorotriphenylmethyl (Trityl) Radical. Journal of Physical Chemistry B, 2008, 112, 158-167.	2.6	39
157	Monolayer self-assembly at liquidâ€“solid interfaces: chirality and electronic properties of molecules at surfaces. Journal of Physics Condensed Matter, 2008, 20, 184003.	1.8	17
158	Influence of SiO2 surface energy on the performance of organic field effect transistors based on highly oriented, zone-cast layers of a tetrathiafulvalene derivative. Journal of Applied Physics, 2008, 104, 054509.	2.5	45
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