

Marta Mas-Torrent

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179
papers

5,601
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68
g-index

188
ext. papers

6,095
ext. citations

8.4
avg, IF

5.91
L-index

#	Paper	IF	Citations
179	Role of molecular order and solid-state structure in organic field-effect transistors. <i>Chemical Reviews</i> , 2011 , 111, 4833-56	68.1	438
178	Novel small molecules for organic field-effect transistors: towards processability and high performance. <i>Chemical Society Reviews</i> , 2008 , 37, 827-38	58.5	415
177	High mobility of dithiophene-tetrathiafulvalene single-crystal organic field effect transistors. <i>Journal of the American Chemical Society</i> , 2004 , 126, 984-5	16.4	314
176	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, 8546-53	16.4	245
175	A robust molecular platform for non-volatile memory devices with optical and magnetic responses. <i>Nature Chemistry</i> , 2011 , 3, 359-64	17.6	173
174	Importance of intermolecular interactions in assessing hopping mobilities in organic field effect transistors: pentacene versus dithiophene-tetrathiafulvalene. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6544-5	16.4	156
173	Attaching persistent organic free radicals to surfaces: how and why. <i>Chemical Reviews</i> , 2012 , 112, 2506-2581	38.1	140
172	Tetrathiafulvalene derivatives for organic field effect transistors. <i>Journal of Materials Chemistry</i> , 2006 , 16, 433-436		131
171	Single-crystal organic field-effect transistors based on dibenzo-tetrathiafulvalene. <i>Applied Physics Letters</i> , 2005 , 86, 012110	3.4	124
170	Organic radicals on surfaces: towards molecular spintronics. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1691-1695		100
169	High-performance single crystal organic field-effect transistors based on two dithiophene-tetrathiafulvalene (DT-TTF) polymorphs. <i>Advanced Materials</i> , 2010 , 22, 4198-203	24	96
168	Kondo effect in a neutral and stable all organic radical single molecule break junction. <i>Nano Letters</i> , 2015 , 15, 3109-14	11.5	93
167	Isolated Single-Molecule Magnets on the Surface of a Polymeric Thin Film. <i>Advanced Materials</i> , 2003 , 15, 42-45	24	79
166	Single Crystal-Like Performance in Solution-Coated Thin-Film Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2016 , 26, 2379-2386	15.6	78
165	Efficient High Area OFETs by Solution Based Processing of a Electron Rich Donor. <i>Chemistry of Materials</i> , 2006 , 18, 4724-4729	9.6	76
164	Control of Polymorphism and Morphology in Solution Sheared Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2017 , 27, 1700526	15.6	73
163	A three-state surface-confined molecular switch with multiple channel outputs. <i>Journal of the American Chemical Society</i> , 2011 , 133, 13256-9	16.4	71

162	Large photoresponsivity in high-mobility single-crystal organic field-effect phototransistors. <i>ChemPhysChem</i> , 2006 , 7, 86-8	3.2	69
161	Field effect transistors based on poly(3-hexylthiophene) at different length scales. <i>Nanotechnology</i> , 2004 , 15, S265-S269	3.4	69
160	Organic Semiconductor/Polymer Blend Films for Organic Field-Effect Transistors. <i>Advanced Materials Technologies</i> , 2019 , 4, 1900104	6.8	65
159	A Rapid, Low-Cost, and Scalable Technique for Printing State-of-the-Art Organic Field-Effect Transistors. <i>Advanced Materials Technologies</i> , 2016 , 1, 1600090	6.8	65
158	High-mobility tetrathiafulvalene organic field-effect transistors from solution processing. <i>Organic Electronics</i> , 2008 , 9, 1101-1106	3.5	64
157	Self-assembled monolayers of electroactive polychlorotriphenylmethyl radicals on Au(111). <i>Journal of the American Chemical Society</i> , 2008 , 130, 5499-506	16.4	60
156	Role of Polymorphism and Thin-Film Morphology in Organic Semiconductors Processed by Solution Shearing. <i>ACS Omega</i> , 2018 , 3, 2329-2339	3.9	58
155	Self-assembled monolayers of a multifunctional organic radical. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2215-9	16.4	56
154	The four polymorphic modifications of the semiconductor dibenzo-tetrathiafulvalene. <i>CrystEngComm</i> , 2008 , 10, 1899	3.3	54
153	Ultrasensitive piezoresistive all-organic flexible thin films. <i>Advanced Materials</i> , 2010 , 22, 977-81	24	53
152	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	16.4	51
151	Surface-confined electroactive molecules for multistate charge storage information. <i>Advanced Materials</i> , 2013 , 25, 462-8	24	48
150	Organic field-effect transistors (OFETs) of highly oriented films of dithiophene-tetrathiafulvalene prepared by zone casting. <i>Organic Electronics</i> , 2008 , 9, 143-148	3.5	48
149	Decoding the Vertical Phase Separation and Its Impact on C8-BTBT/PS Transistor Properties. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7296-7303	9.5	45
148	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	2.5	45
147	Dramatic Influence of the Electronic Structure on the Conductivity through Open- and Closed-Shell Molecules. <i>Advanced Materials</i> , 2009 , 21, 1177-1181	24	44
146	Towards supramolecular electronics. <i>Synthetic Metals</i> , 2004 , 147, 43-48	3.6	43
145	High performing solution-coated electrolyte-gated organic field-effect transistors for aqueous media operation. <i>Scientific Reports</i> , 2016 , 6, 39623	4.9	41

144	Chemical control over the energy-level alignment in a two-terminal junction. <i>Nature Communications</i> , 2016 , 7, 12066	17.4	40
143	Multichannel molecular switch with a surface-confined electroactive radical exhibiting tunable wetting properties. <i>Nano Letters</i> , 2011 , 11, 4382-5	11.5	40
142	Dependence of charge transfer reorganization energy on carrier localisation in organic molecular crystals. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 121-7	3.6	39
141	Electrolyte-Gated Organic Field-Effect Transistor Based on a Solution Sheared Organic Semiconductor Blend. <i>Advanced Materials</i> , 2016 , 28, 10311-10316	24	39
140	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	7.1	38
139	Tuning Crystal Ordering, Electronic Structure, and Morphology in Organic Semiconductors: Tetrathiafulvalenes as a Model Case. <i>Advanced Functional Materials</i> , 2016 , 26, 2256-2275	15.6	37
138	Reduction of Charge Traps and Stability Enhancement in Solution-Processed Organic Field-Effect Transistors Based on a Blended n-Type Semiconductor. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 15952-15961	9.5	36
137	Chiral magnetic-nanobiofluids for rapid electrochemical screening of enantiomers at a magneto nanocomposite graphene-paste electrode. <i>Biosensors and Bioelectronics</i> , 2018 , 105, 95-102	11.8	36
136	Morphology and mobility as tools to control and unprecedentedly enhance X-ray sensitivity in organic thin-films. <i>Nature Communications</i> , 2020 , 11, 2136	17.4	35
135	Organic metal engineering for enhanced field-effect transistor performance. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 26545-52	3.6	31
134	Organic Spin Ladders from Tetrathiafulvalene (TTF) Derivatives. <i>Advanced Functional Materials</i> , 2005 , 15, 1023-1035	15.6	31
133	Negative differential resistance (NDR) in similar molecules with distinct redox behaviour. <i>Chemical Communications</i> , 2011 , 47, 4664-6	5.8	30
132	Proximity-Induced Shiba States in a Molecular Junction. <i>Physical Review Letters</i> , 2017 , 118, 117001	7.4	29
131	Flexible organic transistors based on a solution-sheared PVDF insulator. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 12199-12202	7.1	29
130	Detection of the early stage of recombinational DNA repair by silicon nanowire transistors. <i>Nano Letters</i> , 2012 , 12, 1275-81	11.5	29
129	Coupling tetracyanoquinodimethane to tetrathiafulvalene: a fused TCNQ-TTF-TCNQ triad. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 10902-6	16.4	29
128	Electron-Withdrawing Substituted Tetrathiafulvalenes as Ambipolar Semiconductors. <i>Chemistry of Materials</i> , 2011 , 23, 851-861	9.6	29
127	Two-leg molecular ladders formed by hierarchical self-assembly of an organic radical. <i>Journal of the American Chemical Society</i> , 2009 , 131, 6246-52	16.4	29

126	New Transparent Metal-like Bilayer Composite Films with Highly Conducting Layers of [(BET-TTF) ₂ Br][BH ₂ O] Nanocrystals. <i>Advanced Functional Materials</i> , 2001 , 11, 299-303	15.6	28
125	Molecular Approach to Electrochemically Switchable Monolayer MoS Transistors. <i>Advanced Materials</i> , 2020 , 32, e2000740	24	26
124	Sub-50 nm positioning of organic compounds onto silicon oxide patterns fabricated by local oxidation nanolithography. <i>Nanotechnology</i> , 2008 , 19, 455308	3.4	24
123	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, 7136-43	4.8	23
122	Highly piezoresistive textiles based on a soft conducting charge transfer salt. <i>Journal of Materials Chemistry</i> , 2011 , 21, 637-640		23
121	Bulk spontaneous magnetization in the new radical cation salt TM-TTF[Cr(NCS) ₄ (isoquinoline) ₂] (TM-TTF = tetramethyltetrathiafulvalene). <i>Inorganic Chemistry</i> , 2003 , 42, 7544-9	5.1	23
120	Novel [60]fullerene-TTF cyclohexene fused polyadducts: unprecedented tri- and tetra-Diels-Alder adducts of dimethylidene[2H]tetrathiafulvalenes with C ₆₀ . <i>Tetrahedron Letters</i> , 2001 , 42, 3447-3450	2	23
119	Label-free immunodetection of β -synuclein by using a microfluidics coplanar electrolyte-gated organic field-effect transistor. <i>Biosensors and Bioelectronics</i> , 2020 , 167, 112433	11.8	23
118	Bioelectronic Recordings of Cardiomyocytes with Accumulation Mode Electrolyte Gated Organic Field Effect Transistors. <i>Biosensors and Bioelectronics</i> , 2020 , 150, 111844	11.8	22
117	Operative Mechanism of Hole-Assisted Negative Charge Motion in Ground States of Radical-Anion Molecular Wires. <i>Journal of the American Chemical Society</i> , 2017 , 139, 686-692	16.4	21
116	Two New Families of Charge Transfer Solids Based on [M(mnt) ₂] ⁿ⁺ and the Donors BMDT-TTF and EDT-TTF: Conducting and Magnetic Properties. <i>Journal of Solid State Chemistry</i> , 2002 , 168, 563-572	3.3	21
115	Electrochemical growth of organic conducting microcrystals of tetrathiafulvalene bromide. <i>Small</i> , 2005 , 1, 806-8	11	21
114	Temperature dependence of the electrical properties of single-crystals of dithiophene-tetrathiafulvalene (DT-TTF). <i>Synthetic Metals</i> , 2004 , 146, 265-268	3.6	20
113	Isolation and characterization of four isomers of a C(60) bisadduct with a TTF derivative. Study of their radical ions. <i>Journal of Organic Chemistry</i> , 2002 , 67, 566-75	4.2	20
112	An Electrically Driven and Readable Molecular Monolayer Switch Based on a Solid Electrolyte. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 368-72	16.4	19
111	Solution-processed thin films of a charge transfer complex for ambipolar field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 10257-10263	7.1	18
110	A Solid-State Aqueous Electrolyte-Gated Field-Effect Transistor as a Low-Voltage Operation Pressure-Sensitive Platform. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900719	4.6	18
109	Morphology Influence on the Mechanical Stress Response in Bendable Organic Field-Effect Transistors with Solution-Processed Semiconductors. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700271	6.4	17

108	Microstructured objects produced by the supramolecular hierarchical assembly of an organic free radical gathering hydrophobic-amphiphilic characteristics. <i>Chemical Science</i> , 2012 , 3, 1958	9.4	17
107	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. <i>Journal of Applied Physics</i> , 2010 , 108, 014504	2.5	17
106	Tetrathiafulvalene-Based Materials for Organic Field Effect Transistors. Inspection of Their Semiconductor Properties by Means of Molecular Spectroscopy and Quantum Chemistry. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 10110-10118	3.8	17
105	New Flexible Low-Density Metallic Materials Containing the (BEDT-TTF) ₂ (IxBR _{1-x}) ₃ Molecular Metals as Active Components. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 11089-11097	3.4	17
104	A four-state capacitance molecular switch based on a redox active tetrathiafulvalene self-assembled monolayer. <i>RSC Advances</i> , 2017 , 7, 5636-5641	3.7	16
103	Modification of the gate electrode by self-assembled monolayers in flexible electrolyte-gated organic field effect transistors: work function capacitance effects. <i>RSC Advances</i> , 2018 , 8, 27509-27515	3.7	16
102	Role of geometry, substrate and atmosphere on performance of OFETs based on TTF derivatives. <i>Organic Electronics</i> , 2012 , 13, 121-128	3.5	16
101	Electronic and structural characterisation of a tetrathiafulvalene compound as a potential candidate for ambipolar transport properties. <i>CrystEngComm</i> , 2011 , 13, 6597	3.3	16
100	Electrical transport measurements on self-assembled organic molecular wires. <i>Journal of Chemical Physics</i> , 2006 , 124, 154704	3.9	16
99	Impact of the Ink Formulation and Coating Speed on the Polymorphism and Morphology of a Solution-Sheared Thin Film of a Blended Organic Semiconductor. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900950	4.6	15
98	Electrochemical and chemical tuning of the surface wettability of tetrathiafulvalene self-assembled monolayers. <i>Chemical Communications</i> , 2013 , 49, 8084-6	5.8	15
97	Benzodicarbomethoxytetrathiafulvalene derivatives as soluble organic semiconductors. <i>Journal of Organic Chemistry</i> , 2011 , 76, 154-63	4.2	15
96	Electronic localization in an extreme 1-D conductor: the organic salt (TTDM-TTF) [Au(mnt)]. <i>European Physical Journal B</i> , 2002 , 29, 27-33	1.2	15
95	New Molecular Charge-Transfer Salts of TM-TTF and BMDT-TTF with Thiocyanate and Selenocyanate Complex Anions [TMTTF = Tetramethyltetrathiafulvalene; BMDT-TTF = Bis(methylenedithio)tetrathiafulvalene]. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 720-725	2.3	15
94	Covalent Modification of Highly Ordered Pyrolytic Graphite with a Stable Organic Free Radical by Using Diazonium Chemistry. <i>Chemistry - A European Journal</i> , 2017 , 23, 1415-1421	4.8	14
93	Charge transport through unpaired spin-containing molecules on surfaces. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13883		14
92	Infrared investigation of the low-temperature structural and magnetic transitions in the spin-ladder candidate (DTTTF) ₂ Au(mnt) ₂ . <i>Physical Review B</i> , 2003 , 68,	3.3	14
91	Intramolecular electron transfer in the photodimerisation product of a tetrathiafulvalene derivative in solution and on a surface. <i>Chemical Science</i> , 2013 , 4, 307-310	9.4	13

90	HOMO stabilisation in extended dibenzotetrathiafulvalene derivatives for their application in organic field-effect transistors. <i>Chemistry - A European Journal</i> , 2014 , 20, 16672-9	4.8	13
89	Organic metal-organic semiconductor blended contacts in single crystal field-effect transistors. <i>Journal of Materials Chemistry</i> , 2012 , 22, 16011		13
88	Mercury-Mediated Organic Semiconductor Surface Doping Monitored by Electrolyte-Gated Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2017 , 27, 1703899	15.6	12
87	Tetrathiafulvalene-based mixed-valence acceptor-donor-acceptor triads: a joint theoretical and experimental approach. <i>Chemistry - A European Journal</i> , 2013 , 19, 16656-64	4.8	12
86	Coupling Tetracyanoquinodimethane to Tetrathiafulvalene: A Fused TCNQ-TTF-CNQ Triad. <i>Angewandte Chemie</i> , 2011 , 123, 11094-11098	3.6	12
85	New Molecular Conductors Based on ETEDT-TTF Trihalides: From Single Crystals to Conducting Layers of Nanocrystals. <i>Chemistry of Materials</i> , 2002 , 14, 3295-3304	9.6	12
84	Enhancing Long-Term Device Stability Using Thin Film Blends of Small Molecule Semiconductors and Insulating Polymers to Trap Surface-Induced Polymorphs. <i>Advanced Functional Materials</i> , 2020 , 30, 2006115	15.6	12
83	Reversal of the Direction of Rectification Induced by Fermi Level Pinning at Molecule-Electrode Interfaces in Redox-Active Tunneling Junctions. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 55044-55055 ¹²	9.5	12
82	Donor/Acceptor Mixed Self-Assembled Monolayers for Realising a Multi-Redox-State Surface. <i>ChemPhysChem</i> , 2016 , 17, 1810-4	3.2	12
81	Synthesis of a vinylogue tetrathiafulvalene derivative and study of its charge transfer complex with TCNQF4. <i>Synthetic Metals</i> , 2019 , 247, 144-150	3.6	12
80	Precise Characterisation of Molecular Orientation in a Single Crystal Field-Effect Transistor Using Polarised Raman Spectroscopy. <i>Scientific Reports</i> , 2016 , 6, 33057	4.9	11
79	Exploiting the versatile alkyne-based chemistry for expanding the applications of a stable triphenylmethyl organic radical on surfaces. <i>Chemical Science</i> , 2020 , 11, 516-524	9.4	11
78	Changes of the Molecular Structure in Organic Thin Film Transistors during Operation. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 15912-15918	3.8	10
77	Highly Oxidized States of Phthalocyaninato Terbium(III) Multiple-Decker Complexes Showing Structural Deformations, Biradical Properties and Decreases in Magnetic Anisotropy. <i>Chemistry - A European Journal</i> , 2020 , 26, 8621-8630	4.8	10
76	Double Beneficial Role of Fluorinated Fullerene Dopants on Organic Thin-Film Transistors: Structural Stability and Improved Performance. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 28416-28425 ¹⁰	9.5	10
75	Harnessing electron transfer from the perchlorotriphenylmethide anion to Y@C82(C2v) to engineer an endometallofullerene-based salt. <i>ChemPhysChem</i> , 2013 , 14, 1670-5	3.2	10
74	An Electrically Driven and Readable Molecular Monolayer Switch Based on a Solid Electrolyte. <i>Angewandte Chemie</i> , 2016 , 128, 376-380	3.6	10
73	Nanoscale Mapping of the Conductivity and Interfacial Capacitance of an Electrolyte-Gated Organic Field-Effect Transistor under Operation. <i>Advanced Functional Materials</i> , 2021 , 31, 2008032	15.6	10

72	Design of Perchlorotriphenylmethyl (PTM) Radical-Based Compounds for Optoelectronic Applications: The Role of Orbital Delocalization. <i>ChemPhysChem</i> , 2018 , 19, 2572-2578	3.2	9
71	Phase recognition by lattice phonon Raman spectra: The triclinic structure of the organic semiconductor dibenzo-tetrathiafulvalene. <i>Chemical Physics Letters</i> , 2012 , 523, 74-77	2.5	9
70	Electrochemical and magnetic properties of a surface-grafted novel endohedral metallofullerene derivative. <i>Chemical Communications</i> , 2013 , 49, 8145-7	5.8	9
69	Dithiophene-tetrathiafulvalene Detailed Study of an Electronic Donor and Its Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 2440-2446	2.3	9
68	Resistive Switching Observation in a Gallium-Based Liquid Metal/Graphene Junction. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 3093-3099	4	9
67	Carbon-paste nanocomposites as unconventional gate electrodes for electrolyte-gated organic field-effect transistors: electrical modulation and bio-sensing. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 14993-14998	7.1	9
66	Spray-coated contacts from an organic charge transfer complex solution for organic field-effect transistors. <i>Organic Electronics</i> , 2017 , 48, 365-370	3.5	8
65	Study of carbon nanotube-rich impedimetric recognition electrode for ultra-low determination of polycyclic aromatic hydrocarbons in water. <i>Mikrochimica Acta</i> , 2018 , 185, 255	5.8	8
64	Fluid Mixing for Low-Power Digital Microfluidics Using Electroactive Molecular Monolayers. <i>Small</i> , 2018 , 14, 1703344	11	8
63	Solid state photodimerisation of tetrathiafulvalene derivatives bearing carboxylate and carboxylic acid substituents. <i>CrystEngComm</i> , 2013 , 15, 9878	3.3	8
62	Carbon-Rich Monolayers on ITO as Highly Sensitive Platforms for Detecting Polycyclic Aromatic Hydrocarbons in Water: The Case of Pyrene. <i>Chemistry - A European Journal</i> , 2017 , 23, 15289-15293	4.8	8
61	Evidence of intrinsic ambipolar charge transport in a high band gap organic semiconductor. <i>Journal of Materials Chemistry</i> , 2012 , 22, 345-348		8
60	Direct micro-patterning of TTF-based organic conductors on flexible substrates. <i>Journal of Materials Chemistry</i> , 2006 , 16, 543		8
59	Mobility anisotropy in the herringbone structure of asymmetric Ph-BTBT-10 in solution sheared thin film transistors. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 7186-7193	7.1	8
58	Direct covalent grafting of an organic radical core on gold and silver. <i>RSC Advances</i> , 2017 , 7, 20076-20083	3.7	7
57	Influence of intermolecular interactions on the formation of tetra(carbomethoxy)-tetrathiafulvalene assemblies. <i>ChemPhysChem</i> , 2007 , 8, 1565-71	3.2	7
56	A new family of conducting and magnetic charge-transfer salts from BMDT-TTF. <i>Synthetic Metals</i> , 2001 , 120, 799-800	3.6	7
55	Stability of radical-functionalized gold surfaces by self-assembly and on-surface chemistry. <i>Chemical Science</i> , 2020 , 11, 9162-9172	9.4	7

54	Selection of the two enantiotropic polymorphs of diF-TES-ADT in solution sheared thin film transistors. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 15361-15367	7.1	7
53	Bias-Polarity-Dependent Direct and Inverted Marcus Charge Transport Affecting Rectification in a Redox-Active Molecular Junction. <i>Advanced Science</i> , 2021 , 8, e2100055	13.6	7
52	Structural and electronic characterisation of extended tetrathiafulvalene derivatives as active components in field-effect transistors. <i>CrystEngComm</i> , 2016 , 18, 6149-6152	3.3	7
51	A redox-active radical as an effective nanoelectronic component: stability and electrochemical tunnelling spectroscopy in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 27733-27737	3.6	7
50	Solution-sheared thin films of a donor-acceptor random copolymer/polystyrene blend as active material in field-effect transistors. <i>Materials Science in Semiconductor Processing</i> , 2019 , 93, 105-110	4.3	7
49	Crystal alignment of surface stabilized polymorph in thioindigo films. <i>Dyes and Pigments</i> , 2020 , 172, 107847	4.7	7
48	Synergistic Exploitation of the Superoxide Scavenger Properties of Reduced Graphene Oxide and a Trityl Organic Radical for the Impedimetric Sensing of Xanthine. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701072	4.6	7
47	Neutral Organic Radical Formation by Chemisorption on Metal Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 3897-3904	6.4	6
46	Large-Size Star-Shaped Conjugated (Fused) Triphthalocyaninehexaazatriphenylene. <i>Organic Letters</i> , 2016 , 18, 1466-9	6.2	6
45	Infrared investigation of the charge ordering pattern in the organic spin ladder candidate (DTTTF) ₂ Cu(mnt) ₂ . <i>Solid State Sciences</i> , 2008 , 10, 1740-1744	3.4	6
44	A surface confined yttrium(iii) bis-phthalocyaninato complex: a colourful switch controlled by electrons. <i>Chemical Science</i> , 2016 , 7, 4940-4944	9.4	6
43	Study of the E _Z stilbene isomerisation in perchlorotriphenyl-methane (PTM) derivatives. <i>RSC Advances</i> , 2017 , 7, 15278-15283	3.7	5
42	EGOFET Gated by a Molecular Electronic Switch: A Single-Device Memory Cell. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800875	6.4	5
41	Pyrene-based dyad and triad leading to a reversible chemical and redox optical and magnetic switch. <i>Chemistry - A European Journal</i> , 2015 , 21, 5504-9	4.8	5
40	Cyclodextrin-based superparamagnetic host vesicles as ultrasensitive nanobiocarriers for electrosensing. <i>Nanoscale</i> , 2020 , 12, 9884-9889	7.7	5
39	Electrochemically driven host-guest interactions on patterned donor/acceptor self-assembled monolayers. <i>Chemical Communications</i> , 2018 , 54, 3038-3041	5.8	5
38	High Performance Organic Field-Effect Transistors with Solid and Aqueous Dielectric Based on a Solution Sheared Sulfur-Bridged Annulene Derivative. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700349	6.4	5
37	Self-Assembly of an Organic Radical Thin Film and Its Memory Function Investigated Using a Liquid-Metal Electrode. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 17784-17791	3.8	5

36	Improved Synthesis of the High-Mobility Organic Semiconductor Dithio[π]phene-Tetrathiafulvalene. <i>Synthesis</i> , 2007 , 2007, 1621-1623	2.9	5
35	Molecular compounds based on DT-TTF and Au(cdc) 2 complex. Structural, magnetic and electrical properties. <i>Polyhedron</i> , 2003 , 22, 2415-2422	2.7	5
34	Isolation of two regioisomers of a triad of C60 based on a tetrathiafulvalene derivative: HMBC NMR as a useful tool for their characterisation. <i>Synthetic Metals</i> , 2001 , 123, 523-527	3.6	5
33	Synthesis of 0D to 3D hybrid-carbon nanomaterials carrying platinum(0) nanoparticles: Towards the electrocatalytic determination of methylparabens at ultra-trace levels. <i>Sensors and Actuators B: Chemical</i> , 2020 , 305, 127467	8.5	5
32	Influence of polymer binder on the performance of diF-TES-ADT based organic field effect transistor. <i>CrystEngComm</i> , 2021 , 23, 1043-1051	3.3	5
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