

A Single-Component Molecular Superconductor

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Citation Report

#	ARTICLE	IF	CITATIONS
20	Antiferromagnetic Ordering in the Single-Component Molecular Conductor [Pd(tmdt) ₂]. <i>Inorganic Chemistry</i> , 2016, 55, 7709-7716.	4.0	13
21	Pressure-Induced Conductivity in a Neutral Nonplanar Spin-Localized Radical. <i>Journal of the American Chemical Society</i> , 2016, 138, 11517-11525.	13.7	38
22	Single-Component Conductors: A Sturdy Electronic Structure Generated by Bulky Substituents. <i>Inorganic Chemistry</i> , 2016, 55, 6036-6046.	4.0	22
23	Chiral, radical, gold bis(dithiolene) complexes. <i>New Journal of Chemistry</i> , 2016, 40, 7113-7120.	2.8	16
24	TTF[Ni(dmit) ₂] ₂ : From single-crystals to thin layers, nanowires, and nanoparticles. <i>Coordination Chemistry Reviews</i> , 2016, 308, 433-444.	18.8	16
25	Three ion-pair complexes containing bis(maleonitriledithiolate)copper(II) anion and substituted 2-aminopyridinium cations: Syntheses, crystal structures, and magnetic properties. <i>Journal of Molecular Structure</i> , 2016, 1109, 31-39.	3.6	1
26	Emergence of the Dirac Electron System in a Single-Component Molecular Conductor under High Pressure. <i>Journal of the American Chemical Society</i> , 2017, 139, 1770-1773.	13.7	52
27	Effect of the type-I to type-II Weyl semimetal topological transition on superconductivity. <i>Physical Review B</i> , 2017, 95, .	3.2	48
28	Chiral metal-dithiolene complexes. <i>Coordination Chemistry Reviews</i> , 2017, 346, 20-31.	18.8	33
29	Development of Novel Functional Organic Crystals by Utilizing Proton- and π -Electron-Donating/Accepting Abilities. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 1181-1188.	3.2	29
30	Subtle Steric Differences Impact the Structural and Conducting Properties of Radical Gold Bis(dithiolene) Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 16004-16013.	3.3	18
31	Development of a Control Method for Conduction and Magnetism in Molecular Crystals. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 89-136.	3.2	15
32	Role of the Open-Shell Character on the Pressure-Induced Conductivity of an Organic Donor-Acceptor Radical Dyad. <i>Chemistry - A European Journal</i> , 2018, 24, 5500-5505.	3.3	14
33	The Molecular Industrial Revolution: Automated Synthesis of Small Molecules. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4192-4214.	13.8	150
34	Electrical Conductivity of Copper Hexamers Tuned by their Ground-State Valences. <i>Inorganic Chemistry</i> , 2018, 57, 3443-3450.	4.0	10
35	Neutral, closed-shell nickel bis(2-alkylthio-thiazole-4,5-dithiolate) complexes as single component molecular conductors. <i>Dalton Transactions</i> , 2018, 47, 6580-6589.	3.3	4
36	Towards the generalized iterative synthesis of small molecules. <i>Nature Reviews Chemistry</i> , 2018, 2, .	30.2	94
37	Interplay between bandwidth-controlled and filling-controlled pressure-induced Mott insulator to metal transition in the molecular compound [Au(Et-thiazdt) ₂]. <i>Physical Review B</i> , 2018, 97, .	3.2	5

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38	Solids, liquids, and gases under high pressure. <i>Reviews of Modern Physics</i> , 2018, 90, .	45.6	337
39	Die molekulare industrielle Revolution: zur automatisierten Synthese organischer Verbindungen. <i>Angewandte Chemie</i> , 2018, 130, 4266-4288.	2.0	21
40	Stable Metallic State of a Neutral-Radical Single-Component Conductor at Ambient Pressure. <i>Journal of the American Chemical Society</i> , 2018, 140, 6998-7004.	13.7	48
41	High Pressure Crystal Structure and Electrical Properties of a Single Component Molecular Crystal [Ni(dddt) ₂] (dddt = 5,6-dihydro-1,4-dithiin-2,3-dithiolate). <i>Molecules</i> , 2019, 24, 1843.	3.8	5
42	Construction of three-dimensional anionic molecular frameworks based on hydrogen-bonded metal dithiolene complexes and the crystal solvent effect. <i>CrystEngComm</i> , 2019, 21, 2940-2948.	2.6	12
43	Single-component molecular conductor [Pt(dmdt) ₂] ²⁺ a three-dimensional ambient-pressure molecular Dirac electron system. <i>Chemical Communications</i> , 2019, 55, 3327-3330.	4.1	31
44	Effect of Substitution on the Hysteretic Phase Transition in a Bistable Phenalenyl-Based Neutral Radical Molecular Conductor. <i>Chemistry - A European Journal</i> , 2019, 25, 4166-4174.	3.3	2
45	Zero-, one- and two-dimensional bis(dithiolato)metal complexes with unique physical and chemical properties. <i>Coordination Chemistry Reviews</i> , 2019, 380, 419-439.	18.8	49
46	Redox, transmetalation, and stacking properties of tetrathiafulvalene-2,3,6,7-tetrathiolate bridged tin, nickel, and palladium compounds. <i>Chemical Science</i> , 2020, 11, 1066-1078.	7.4	22
47	Effects of halogen atom replacement on the structure and magnetic properties of a molecular crystal with supramolecular two-dimensional network mediated via sulfur's σ -holes. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 497, 165986.	2.3	1
48	(Photo)Thermal Stimulation of Functional Dithiolene Complexes in Soft Matter. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 508-522.	2.0	12
49	Prototype Material for New Strategy of Photon Energy Storage. <i>Inorganics</i> , 2020, 8, 53.	2.7	4
50	Electrochemical deposition of a semiconducting gold dithiolene complex with NIR absorption. <i>Dalton Transactions</i> , 2020, 49, 13786-13796.	3.3	3
51	Single-component conductors based on closed-shell Ni and Pt bis(dithiolene) complexes: metallization under high pressure. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11581-11592.	5.5	11
52	Syntheses, Structures, and Physical Properties of Neutral Gold Dithiolate Complex, [Au(etdt) ₂] ⁺ ·THF. <i>Crystals</i> , 2020, 10, 1001.	2.2	2
53	Near-infrared light-responsive UCST-nanogels using an efficient nickel-bis(dithiolene) photothermal crosslinker. <i>Polymer Chemistry</i> , 2020, 11, 3863-3875.	3.9	16
54	Clarification of the Relationship between the Magnetic and Conductive Properties of Infinite Chains in Trioxotriangulene Radical Crystals by Spin-Projected DFT/Plane-Wave Calculations. <i>Advanced Theory and Simulations</i> , 2020, 3, 2000050.	2.8	10
55	Hydrogen bonding interactions in single component molecular conductors based on metal (Ni, Au) bis(dithiolene) complexes. <i>Dalton Transactions</i> , 2020, 49, 6056-6064.	3.3	19

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56	The quest for single component molecular metals within neutral transition metal complexes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10591-10609.	5.5	10
57	Conducting chiral nickel(ii) bis(dithiolene) complexes: structural and electron transport modulation with the charge and the number of stereogenic centres. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4119-4140.	5.5	10
58	Tuning the donor-acceptor interactions in phase-segregated block molecules. <i>Materials Horizons</i> , 2022, 9, 294-302.	12.2	12
59	Solid-solution (alloying) strategies in crystalline molecular conductors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10557-10572.	5.5	12
60	High-Pressure Crystal Structure and Unusual Magnetoresistance of a Single-Component Molecular Conductor [Pd(dddt) ₂] (dddt = 5,6-dihydro-1,4-dithiin-2,3-dithiolate). <i>Crystals</i> , 2021, 11, 534.	2.2	3
61	Introducing Selenium in Single-Component Molecular Conductors Based on Nickel Bis(dithiolene) Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 7876-7886.	4.0	4
62	Modern History of Organic Conductors: An Overview. <i>Crystals</i> , 2021, 11, 838.	2.2	23
63	Single-Component Molecular Conductors – Multi-Orbital Correlated f-d Electron Systems. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 2540-2562.	3.2	8
64	Nanoparticles of Molecular Conductors and Superconductors: Progress Over the Last Ten Years. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 4237-4246.	2.0	3
65	Electronic Structure of a Single-Component Molecular Conductor [Pd(dddt) ₂] (dddt =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2020, 89, 124706.	1.6	10
66	Coexistence of Interchanged and Normal Orbital Levels in a Molecular Conductor Consisting of a Metal-Dithiolene Complex. <i>Journal of the Physical Society of Japan</i> , 2021, 90, .	1.6	1
67	Development of Novel Functional Molecular Crystals by Utilizing Dynamic Hydrogen Bonds. Yuki Gosei Kagaku Kyokaiishi/ <i>Journal of Synthetic Organic Chemistry</i> , 2017, 75, 1045-1054.	0.1	2
68	Electrical Properties of Single-Component Molecular Crystals under High Pressure. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2018, 28, 217-224.	0.0	1
69	Proton-electron-coupled functionalities of conductivity, magnetism, and optical properties in molecular crystals. <i>Chemical Communications</i> , 2022, 58, 5668-5682.	4.1	7
70	Neutral Radical Molecular Conductors Based on a Gold Dimethoxybenzenedithiolene Complex with and without Crystal Solvent. <i>Chemistry Letters</i> , 2023, 52, 25-28.	1.3	0
71	Orbital Degree of Freedom in Conducting Platinum-Dithiolene Complex Salts. <i>Journal of the Physical Society of Japan</i> , 2023, 92, .	1.6	0
72	Potential for exciton condensation in a highly conductive amorphous polymer. <i>Physical Review Materials</i> , 2023, 7, .	2.4	2
73	Boundary research between organic conductors and transistors: new trends for functional molecular crystals. <i>CrystEngComm</i> , 0, , .	2.6	0

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74	Dirac Cone Formation in Single-Component Molecular Conductors Based on Metal Dithiolene Complexes. <i>Magnetochemistry</i> , 2023, 9, 174.	2.4	1
75	Quasi one-dimensional organic conductors: from Fröhlich conductivity and Peierls insulating state to magnetically-mediated superconductivity, a retrospective. <i>Comptes Rendus Physique</i> , 2024, 25, 17-178.	0.9	0