

Marc Fourmiguã©

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
19	Electron Spin Resonance of Defects in Spin Chains in DMTTF_2X : A Versatile System Behaving Like Molecular Magnet. <i>Applied Magnetic Resonance</i> , 2020, 51, 1307-1320.	1.2	3
20	Activating Chalcogen Bonding (ChB) in Alkylseleno/Alkyltelluroacetylenes toward Chalcogen Bonding Directionality Control. <i>Angewandte Chemie</i> , 2020, 132, 23789-23793.	2.0	10
21	Activating both Halogen and Chalcogen Bonding Interactions in Cation Radical Salts of Iodinated Tetrathiafulvalene Derivatives. <i>ChemPlusChem</i> , 2020, 85, 2136-2142.	2.8	4
22	Activating Chalcogen Bonding (ChB) in Alkylseleno/Alkyltelluroacetylenes toward Chalcogen Bonding Directionality Control. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23583-23587.	13.8	20
23	Halogen bonded metal bis(dithiolene) 2D frameworks. <i>CrystEngComm</i> , 2020, 22, 3579-3587.	2.6	17
24	Pressure-Induced Neutral to Ionic Phase Transition in the Mixed-Stack 2:1 Charge-Transfer Complex (EDT-TTF-2) ₂ TCNQF. <i>Journal of Physical Chemistry C</i> , 2020, 124, 5552-5558.	3.1	4
25	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
26	Ambipolar Discotic Liquid Crystals Built Around Platinum Diimine-Dithiolene Cores. <i>Chemistry - A European Journal</i> , 2019, 25, 5719-5732.	3.3	9
27	Charge localization in 1D tetramerized organic conductors: the special case of (tTTF) ₂ ClO ₄ . <i>Journal of Physics Condensed Matter</i> , 2019, 31, 155601.	1.8	0
28	Electronic engineering of a tetrathiafulvalene charge-transfer salt via reduced symmetry induced by combined substituents. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 22639-22646.	2.8	10
29	Coherent spin dynamics of solitons in the organic spin chain compounds XCl_2 . <i>Journal of Physics Condensed Matter</i> , 2019, 31, 155601.		
30	Organic Selenocyanates as Halide Receptors: From Chelation to One-Dimensional Systems. <i>Crystal Growth and Design</i> , 2019, 19, 1418-1425.	3.0	34
31	Co-crystals of an organic triselenocyanate with ditopic Lewis bases: recurrent chalcogen bond interactions motifs. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 34-38.	1.1	14
32	Chalcogen bonding interactions in organic selenocyanates: from cooperativity to chelation. <i>New Journal of Chemistry</i> , 2018, 42, 10502-10509.	2.8	34
33	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
34	Biocompatible nanoparticles containing hydrophobic nickel-bis(dithiolene) complexes for NIR-mediated doxorubicin release and photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 1744-1753.	5.8	23
35	Mott insulators: A large class of materials for Leaky Integrate and Fire (LIF) artificial neuron. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	24
36	Cosublimation: A Rapid Route Toward Otherwise Inaccessible Halogen-Bonded Architectures. <i>Crystal Growth and Design</i> , 2018, 18, 6227-6238.	3.0	42

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37	Electrochemical Activation of TTF-Based Halogen Bond Donors: A Powerful, Selective and Sensitive Analytical Tool for Probing a Weak Interaction in Complex Media. <i>ChemistrySelect</i> , 2018, 3, 8874-8880.	1.5	14
38	Decoupling anion-ordering and spin-Peierls transitions in a strongly one-dimensional organic conductor with a chessboard structure, (i>o</i>-Me ₂ TTF) ₂ NO ₃ . <i>IUCr</i> , 2018, 5, 361-372.	2.2	13
39	Coordination chemistry of anions through halogen-bonding interactions. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 138-139.	1.1	8
40	Spin-state modulation of molecular Fe ^{III} complexes via inclusion in halogen-bonded supramolecular networks. <i>Chemical Communications</i> , 2017, 53, 4989-4992.	4.1	22
41	The halogen bond in solution: general discussion. <i>Faraday Discussions</i> , 2017, 203, 347-370.	3.2	5
42	Solid-state chemistry and applications: general discussion. <i>Faraday Discussions</i> , 2017, 203, 459-483.	3.2	2
43	Photoinduced reversible spin-state switching of an FeIII complex assisted by a halogen-bonded supramolecular network. <i>Chemical Communications</i> , 2017, 53, 10283-10286.	4.1	25
44	Fine and Clean Photothermally Controlled NIR Drug Delivery from Biocompatible Nickel-bis(dithiolene)-Containing Liposomes. <i>ChemMedChem</i> , 2017, 12, 1753-1758.	3.2	14
45	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
46	Toward a reverse hierarchy of halogen bonding between bromine and iodine. <i>Faraday Discussions</i> , 2017, 203, 389-406.	3.2	35
47	Organic selenocyanates as strong and directional chalcogen bond donors for crystal engineering. <i>Chemical Communications</i> , 2017, 53, 8467-8469.	4.1	59
48	Electrochemical activation of a tetrathiafulvalene halogen bond donor in solution. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15867-15873.	2.8	37
49	Sequential Halogen Bonding with Ditopic Donors: ĩf-Hole Evolutions upon Halogen Bond Formation. <i>Crystal Growth and Design</i> , 2016, 16, 2963-2971.	3.0	23
50	Temperature-Induced Neutral-Ionic Phase Transition in the (EDT-TTF-I ₂) ₂ TCNQF Mixed-Stack Charge-Transfer Salt. <i>Journal of Physical Chemistry C</i> , 2016, 120, 23740-23747.	3.1	4
51	Dibromohydantoins as halogen bond (XB) donors: a route toward the introduction of chirality in halogen bonded systems. <i>CrystEngComm</i> , 2016, 18, 9325-9333.	2.6	17
52	Single-Component Conductors: A Sturdy Electronic Structure Generated by Bulky Substituents. <i>Inorganic Chemistry</i> , 2016, 55, 6036-6046.	4.0	22
53	Chiral, radical, gold bis(dithiolene) complexes. <i>New Journal of Chemistry</i> , 2016, 40, 7113-7120.	2.8	16
54	C ⁵ halogen bonding interactions in crystalline iodinated dithiole-2-thiones and thiazole-2-thiones. <i>CrystEngComm</i> , 2016, 18, 5474-5481.	2.6	14

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55	High Photothermal Activity within Neutral Nickel Dithiolene Complexes Derived from Imidazolium-Based Ionic Liquids. <i>Inorganic Chemistry</i> , 2016, 55, 1296-1303.	4.0	32
56	Correlating conduction properties with the molecular symmetry: segregation of Z and E isomers in the charge-assisted, halogen-bonded cocrystal [(Z,E)-Me ₂ l ₂ TTF] ₂ Br. <i>Chemical Communications</i> , 2016, 52, 308-311.	4.1	8
57	Ionic Self-Assembly and Red-Phosphorescence Properties of a Charged Platinum(II) 8-Quinololinol Complex Associated with Ammonium-Based Amphiphiles. <i>Chemistry - A European Journal</i> , 2015, 21, 19149-19158.	3.3	5
58	Water-soluble nickel-bis(dithiolene) complexes as photothermal agents. <i>Chemical Communications</i> , 2015, 51, 5268-5270.	4.1	38
59	The near infra red (NIR) chiroptical properties of nickel dithiolene complexes. <i>New Journal of Chemistry</i> , 2015, 39, 122-129.	2.8	13
60	Resistive Switching Induced by Electric Pulses in a Single-Component Molecular Mott Insulator. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2983-2988.	3.1	15
61	Gold dithiolene complexes: easy access to 2-alkylthio-thiazole dithiolate complexes. <i>Dalton Transactions</i> , 2015, 44, 15683-15689.	3.3	20
62	Halogen-bonded halide networks from chiral neutral spacers. <i>CrystEngComm</i> , 2015, 17, 50-57.	2.6	26
63	Molecular Alloys of Neutral Gold/Nickel Dithiolene Complexes in Single-Component Semiconductors. <i>Inorganic Chemistry</i> , 2015, 54, 7454-7460.	4.0	18
64	Cocrystal or Salt: Solid State-Controlled Iodine Shift in Crystalline Halogen-Bonded Systems. <i>Crystal Growth and Design</i> , 2015, 15, 3464-3473.	3.0	76
65	A Single-Component Conductor Based on a Radical Gold Dithiolene Complex with Alkyl-Substituted Thiophene-2,3-dithiolate Ligand. <i>Inorganic Chemistry</i> , 2015, 54, 9908-9913.	4.0	31
66	Organizing Radical Species in the Solid State with Halogen Bonding. <i>Topics in Current Chemistry</i> , 2014, 359, 91-113.	4.0	10
67	Inter-layer charge disproportionation in the dual-layer organic metal (TTF-l) ₂ ClO ₄ with unsymmetrical I [⋅] O halogen bond interactions. <i>Dalton Transactions</i> , 2014, 43, 5280-5291.	3.3	15
68	Electron-molecular vibration coupling in (DMtTTF)Br and (o-DMTTF) ₂ [W6O19] salts studied by vibrational spectroscopy. <i>Synthetic Metals</i> , 2014, 188, 92-99.	3.9	4
69	Radical or Not Radical: Compared Structures of Metal (M = Ni, Au) Bis-Dithiolene Complexes with a Thiazole Backbone. <i>Inorganic Chemistry</i> , 2014, 53, 8681-8690.	4.0	35
70	Photothermal Control of the Gelation Properties of Nickel Bis(dithiolene) Metallogelators under Near-Infrared Irradiation. <i>Langmuir</i> , 2014, 30, 8592-8597.	3.5	26
71	Hybrid Material Based on the Lindquist Polyoxometalate [W6O19]2 ⁻ and the organosulfur donor o-Me ₂ TTF: A Combined Structural and Spectroscopic Study. <i>Journal of Chemical Crystallography</i> , 2013, 43, 178-186.	1.1	8
72	Variable Magnetic Interactions between S = 1/2 Cation Radical Salts of Functionalizable Electron-Rich Dithiolene and Diselenolene Cp ₂ Mo Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 2162-2173.	4.0	17

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73	Charge-Assisted Halogen Bonding: Donor-Acceptor Complexes with Variable Ionicity. Chemistry - A European Journal, 2013, 19, 14804-14813.	3.3	67
74	Correlation between Metal-Insulator Transition and Hydrogen-Bonding Network in the Organic Metal $\text{I}^-(\text{BEDT-TTF})_4 \cdot [2,6\text{-Anthracene-bis(sulfonate)] \cdot (\text{H}_2\text{O})_4$. Crystal Growth and Design, 2013, 13, 5135-5145.	3.0	12
75	Expanded Halogen-Bonded Anion Organic Networks with Star-Shaped Iodoethynyl-Substituted Molecules: From Corrugated 2D Hexagonal Lattices to Pyrite-Type 2-Fold Interpenetrated Cubic Lattices. Journal of the American Chemical Society, 2013, 135, 6200-6210.	13.7	78
76	Chalcogen Bonding: Experimental and Theoretical Determinations from Electron Density Analysis. Geometrical Preferences Driven by Electrophilic-Nucleophilic Interactions. Crystal Growth and Design, 2013, 13, 3283-3289.	3.0	154
77	Toward chiral conductors: combining halogen bonding ability and chirality within a single tetrathiafulvalene molecule. CrystEngComm, 2013, 15, 4408.	2.6	24
78	Infrared and Raman spectroscopic studies of the charge localization in one-dimensional organic metals $(\text{DMTTF})_2 \cdot \text{X}$ ($\text{X} = \text{ReO}_4$, ClO_4) with regular organic stacks. Journal of Raman Spectroscopy, 2013, 44, 1765-1776.	2.5	6
79	Near-infrared chiro-optical effects in metallogels. Chemical Communications, 2012, 48, 2283-2285.	4.1	30
80	Room-temperature columnar mesophases of nickel-bis(dithiolene) metallomesogens. RSC Advances, 2012, 2, 4453.	3.6	21
81	Anisotropic Chemical Pressure Effects in Single-Component Molecular Metals Based on Radical Dithiolene and Diselenolene Gold Complexes. Journal of the American Chemical Society, 2012, 134, 17138-17148.	13.7	73
82	Structural properties of solid solutions of the non-dimerized, $3/4$ -filled conductors $(\text{o-DMTTF})_2 \cdot \text{X}$ ($\text{X} = \text{Cl, Br, I}$). Physica Status Solidi (B): Basic Research, 2012, 249, 943-946.	1.5	6
83	(Pressure, temperature) phase diagram of the quasi-1D $3/4$ filled organic salt $(\text{o-DMTTF})_2\text{Br}$. Physica B: Condensed Matter, 2012, 407, 1700-1703.	2.7	2
84	Probing magnetic interactions in columnar phases of a paramagnetic gold dithiolene complex. Journal of Materials Chemistry, 2011, 21, 1416-1422.	6.7	33
85	Syntheses, Crystal Structures, Transport Properties and First-Principles Electronic Structure Study of the $(\text{tTTF})_2 \cdot \text{X}$ ($\text{X} = \text{Br, I}$) Low-Dimensional Antiferromagnets. Inorganic Chemistry, 2011, 50, 4171-4181.	4.0	11
86	Strong Iodine-Oxygen Interactions in Molecular Conductors Incorporating Sulfonate Anions. Crystal Growth and Design, 2011, 11, 5337-5345.	3.0	26
87	Involvement of weak $\text{C}\ddot{\text{I}}\text{H}\ddot{\text{A}}\text{X}$ hydrogen bonds in metal-semiconductor regime change in one-dimensional organic conductors $(\text{o-DMTTF})_2 \cdot \text{X}$ ($\text{X} = \text{Cl, Br, and I}$): combined IR and Raman studies. Journal of Raman Spectroscopy, 2011, 42, 1518-1527.	2.5	15
88	Phase diagram of the correlated quarter-filled-band organic salt series $(\text{o-DMTTF})_2\text{X}$ ($\text{X} = \text{Cl, Br, I}$). Physical Review B, 2011, 84, .	3.2	22
89	Redox Multifunctionality in a Series of Pt^{II} Dithiolene Complexes of a Tetrathiafulvalene-Based Diphosphine Ligand. Chemistry - An Asian Journal, 2010, 5, 169-176.	3.3	23
90	Combining halogen bonding and chirality in a two-dimensional organic metal $(\text{EDT-TTF-I}_2)_2(\text{D-camphorsulfonate}) \cdot \text{H}_2\text{O}$. Chemical Communications, 2010, 46, 3926.	4.1	37

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109	Antiferromagnetic interactions in charge-transfer salts of molybdocene dithiolene complexes: the example of [Cp ₂ Mo(dddt)][TCNQ]. <i>Inorganic Chemistry</i> , 1995, 34, 4979-4985.	4.0	67
110	Topochemical polymerization of a diacetylene in a chalcogenâ€bonded (ChB) assembly. <i>Angewandte Chemie</i> , 0, , .	2.0	2