

Kathryn Preuss

List of Publications by Year in descending order

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1,795
citations

236833

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#	ARTICLE	IF	CITATIONS
1	Heisenberg Spin Chains via Chalcogen Bonding: Noncovalent S \cdots H \cdots O Contacts Enable Long-Range Magnetic Order. <i>Inorganic Chemistry</i> , 2021, 60, 11338-11346.	1.9	4
2	Crystalline Molecular Materials: From Structure to Function. <i>Crystal Growth and Design</i> , 2020, 20, 7565-7567.	1.4	1
3	Slow magnetization dynamics in a six-coordinate Fe(ii) radical complex. <i>Dalton Transactions</i> , 2019, 48, 4514-4519.	1.6	6
4	Probing magnetic order and disorder in the one-dimensional molecular spin chains CuF ₂ (pyz) and [Ln(hfac) ₃ (bodaDTDA)] _n (Ln = Sm, La) using implanted muons. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 394002.	0.7	3
5	Stoichiometric control: 8- and 10-coordinate Ln(hfac) ₃ (bpy) and Ln(hfac) ₃ (bpy) ₂ complexes of the early lanthanides La-Sm. <i>Dalton Transactions</i> , 2018, 47, 16232-16241.	1.6	12
6	Magnetic Bistability in Crystalline Organic Radicals: The Interplay of H-bonding, Pancake Bonding, and Electrostatics in 4-(2-Benzimidazolyl)-1,2,3,5-dithiadiazolyl. <i>Journal of the American Chemical Society</i> , 2018, 140, 16904-16908.	6.6	42
7	Chiral Crystals of an Achiral Molecule Exhibit Plastic Bending and a Crystal-to-Crystal Phase Transition. <i>Crystal Growth and Design</i> , 2017, 17, 1390-1395.	1.4	14
8	Reversible crystal-to-crystal chiral resolution: making/breaking non-bonding S \cdots O interactions. <i>Chemical Communications</i> , 2017, 53, 3964-3966.	2.2	8
9	A 1,2,3-dithiazolyl-o-naphthoquinone: a neutral radical with isolable cation and anion oxidation states. <i>Dalton Transactions</i> , 2016, 45, 9608-9620.	1.6	13
10	Extreme Stabilization and Redox Switching of Organic Anions and Radical Anions by Large-Cavity, CH Hydrogen-Bonding Cyanostar Macrocycles. <i>Journal of the American Chemical Society</i> , 2016, 138, 15057-15065.	6.6	53
11	Ferromagnetic ordering of [Sm(radical)] _n coordination polymers. <i>Chemical Communications</i> , 2016, 52, 5414-5417.	2.2	19
12	Radical-Radical Recognition: Switchable Magnetic Properties and Re-entrant Behavior. <i>Chemistry of Materials</i> , 2015, 27, 4023-4032.	3.2	28
13	Isomerization of a lanthanide complex using a humming top guest template: a solid-to-solid reaction. <i>CrystEngComm</i> , 2015, 17, 7816-7819.	1.3	11
14	Metal-radical coordination complexes of thiazyl and selenazyl ligands. <i>Coordination Chemistry Reviews</i> , 2015, 289-290, 49-61.	9.5	62
15	Pancake bonds: π -Stacked dimers of organic and light-atom radicals. <i>Polyhedron</i> , 2014, 79, 1-15.	1.0	137
16	McConnell I mechanism promotes ferromagnetic interactions between π -stacked Ni(ii) thiazyl complexes. <i>Chemical Communications</i> , 2013, 49, 9431.	2.2	15
17	High-Spin Ribbons and Antiferromagnetic Ordering of a Mn ^{II} -Biradical-Mn ^{II} Complex. <i>Journal of the American Chemical Society</i> , 2013, 135, 13298-13301.	6.6	25
18	Fine-Tuning the Single-Molecule Magnet Properties of a [Dy(III)-Radical] ₂ Pair. <i>Journal of the American Chemical Society</i> , 2013, 135, 9596-9599.	6.6	111

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19	Trinuclear Mn(ii) complex with paramagnetic bridging 1,2,3-dithiazolyl ligands. <i>Chemical Communications</i> , 2012, 48, 10963.	2.2	17
20	Metal Complexes of Bridging Neutral Radical Ligands: pymDTDA and pymDSDA. <i>Inorganic Chemistry</i> , 2012, 51, 3827-3839.	1.9	36
21	[TDNQ][CoCp ²⁺] and [TDNQ] ³⁺ [CoCp ²⁺] ²⁺ ; Radical Anions of a 1,2,5-Thiadiazolo-naphthoquinone. <i>Crystal Growth and Design</i> , 2011, 11, 2520-2527.	1.4	14
22	High-spin supramolecular pair of Mn(ii)/thiazyl radical complexes. <i>Chemical Communications</i> , 2010, 46, 6569.	2.2	30
23	Manipulating the crystal packing of pyDTDA radical ligand coordination complexes with Mn(ii) and Ni(ii). <i>Dalton Transactions</i> , 2009, , 3193.	1.6	32
24	Ni(II) and <i>hs</i> -Fe(II) Complexes of a Paramagnetic Thiazyl Ligand, and Decomposition Products of the Iron Complex, Including an Fe(III) Tetramer. <i>Inorganic Chemistry</i> , 2008, 47, 10330-10341.	1.9	37
25	Metal complexes of thiazyl radicals. <i>Dalton Transactions</i> , 2007, , 2357.	1.6	110
26	Mn(II) and Cu(II) Complexes of a Dithiadiazolyl Radical Ligand: Monomer/Dimer Equilibria in Solution. <i>Inorganic Chemistry</i> , 2007, 46, 3934-3945.	1.9	59
27	Monodentate N-coordination of a 1,2,3,5-dithiadiazolyl to Mn(II), Co(II) and Ni(II): A new coordination mode. <i>Polyhedron</i> , 2007, 26, 2047-2053.	1.0	25
28	Synthesis and magnetic properties of a 4-(2- π -pyrimidyl)-1,2,3,5-dithiadiazolyl dimanganese complex. <i>Chemical Communications</i> , 2006, , 341-343.	2.2	58
29	Dinuclear Cobalt Bis(dioxolene) Complex Exhibiting Two Sequential Thermally Induced Valence Tautomeric Transitions. <i>Inorganic Chemistry</i> , 2006, 45, 8817-8819.	1.9	35
30	Testing Bridge-Mediated Differences in Dinuclear Valence Tautomeric Behavior. <i>Inorganic Chemistry</i> , 2006, 45, 4461-4467.	1.9	47
31	Bis(1,1,1,5,5,5-hexafluoroacetylacetonato- η^2 O, η^2 O)bis(tetrahydrofuran- η^1 N)iron(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m430-m432.	0.2	5
32	Design and Synthesis of a 4-(2- π -Pyridyl)-1,2,3,5-Dithiadiazolyl Cobalt Complex. <i>Journal of the American Chemical Society</i> , 2004, 126, 9942-9943.	6.6	64
33	The differing mechanisms of photo-formation of 7-cyanobenzocyclooctatetraene from 7- and 6-cyano-2,3-benzobicyclo[4.2.0]octa-2,4,7-triene. <i>Canadian Journal of Chemistry</i> , 2003, 81, 37-44.	0.6	8
34	5,5- π -Bridged Bis(1,2,3-dithiazoles): Spin States and Charge-Transfer Chemistry. <i>Inorganic Chemistry</i> , 2001, 40, 2709-2714.	1.9	20
35	Antiaromatic Bis(1,2,3-dithiazoles) with Zwitterionic Ground States. <i>Journal of the American Chemical Society</i> , 2000, 122, 7602-7603.	6.6	32
36	A bis(1,2,3-dithiazole) charge transfer salt with 2 : 1 stoichiometry; inhibition of association and generation of slipped π -stacks. <i>CrystEngComm</i> , 2000, 2, 89.	1.3	17

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37	trans-4,4'-Dichloro-1,1'-,2,2'-,3,3'-tetrathiadiazafulvalene (DC-TAF) and Its 1:1 Radical Cation Salts [DC-TAF] ⁺ [X] ⁻ : A Preparation and Solid-State Properties of BF ₄ ⁻ , ClO ₄ ⁻ , and FSO ₃ ⁻ -Derivatives. <i>Journal of the American Chemical Society</i> , 1999, 121, 6657-6663.	6.6	27
38	Charge Transfer Chemistry of Benzo[2,1-c:3,4-c']bis(1,2,3-dithiazole) (BT). Preparation and Structural Characterization of [BT][ClO ₄] and [BT]3[X]2 (X = ClO ₄ ⁻ and FSO ₃ ⁻). <i>Chemistry of Materials</i> , 1999, 11, 164-169.	3.2	32
39	1,1'-,2,2'-,3,3'-Tetrathiadiazafulvalenes; preparation and characterisation of trans-[ClCNS ₂ C ⁺ CS ₂ NCCl]. <i>Chemical Communications</i> , 1998, , 1039-1040.	2.2	21
40	Densities, Apparent Molar Volumes, and Apparent Molar Heat Capacities of L-Arginine, L-Proline and L-Methionine in Water at 288.15, 298.15, 313.15, and 328.15 K. <i>Journal of Chemical & Engineering Data</i> , 1997, 42, 84-89.	1.0	57
41	Benzo-Bridged Bis(1,2,3-dithiazoles) and Their Selenium Analogues. Preparation, Molecular and Electronic Structures, and Redox Chemistry. <i>Journal of the American Chemical Society</i> , 1997, 119, 12136-12141.	6.6	58
42	Naphtho[1,2-c;5,6-c']difuran, a stable isobenzofuran derivative. <i>Tetrahedron Letters</i> , 1996, 37, 8845-8848.	0.7	9
43	Organometallic Derivatives of Dithiadiazoles. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 93, 449-450.	0.8	6
44	Apparent molar heat capacities and volumes of some aqueous solutions of aliphatic amino acids at 288.15, 298.15, 313.15, and 328.15 K. <i>Canadian Journal of Chemistry</i> , 1994, 72, 362-368.	0.6	129
45	Some thermodynamic properties of aqueous amino acid systems at 288.15, 298.15, 313.15 and 328.15 K: group additivity analyses of standard-state volumes and heat capacities. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 2027.	1.7	129
46	The volumetric and thermochemical properties of aqueous solutions of L-valine, L-leucine, and L-isoleucine at 288.15, 298.15, 313.15, and 328.15 K. <i>Canadian Journal of Chemistry</i> , 1994, 72, 1489-1494.	0.6	73
47	Alkene adducts of cyclic thiazenes. Identification of exo and endo addition of 1,3,2,4,6-dithiatiazines to 1,5-norbornadiene by 2-D NMR methods and the crystal structure of a single molecule in which both modes of addition are displayed. <i>Canadian Journal of Chemistry</i> , 1994, 72, 1171-1180.	0.6	2
48	Aryl 1,5-dithia-2,4,6,8-tetrazocines. A synthetic, electrochemical, and structural investigation. <i>Canadian Journal of Chemistry</i> , 1993, 71, 473-486.	0.6	39
49	A Supramolecular [•-radical] ₂ Unit Acts as a Ligand: Coordination of La and Ce by a Pancake-Bonded Pair. <i>Crystal Growth and Design</i> , 0, , .	1.4	1
50	Noncovalent Interactions in Organic Radicals: Pancake, π-Hole, and H-Bonding in F2HbimDTDA. <i>Crystal Growth and Design</i> , 0, , .	1.4	2