Kathryn Preuss

List of Publications by Year
in descending order

50 papers	1,795 citations	236833 25 h-index	265120 42 g-index
51 all docs	51 docs citations	51 times ranked	1347 citing authors

#	Article	IF	Citations
1	Pancake bonds: Ï€-Stacked dimers of organic and light-atom radicals. Polyhedron, 2014, 79, 1-15.	1.0	137
2	Apparent molar heat capacities and volumes of some aqueous solutions of aliphatic amino acids at 288.15, 298.15, 313.15, and 328.15â€‚K. Canadian Journal of Chemistry, 1994, 72, 362-368.	0.6	129
3	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. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 2027.	1.7	129
4	Fine-Tuning the Single-Molecule Magnet Properties of a [Dy(III)-Radical]₂ Pair. Journal of the American Chemical Society, 2013, 135, 9596-9599.	6.6	111
5	Metal complexes of thiazyl radicals. Dalton Transactions, 2007, , 2357.	1.6	110
6	The volumetric and thermochemical properties of aqueous solutions of L-valine, L-leucine, and L-isoleucine at 288.15, 298.15, 313.15, and 328.15â€‚K. Canadian Journal of Chemistry, 1994, 72, 1489-1494.	0.6	73
7	Design and Synthesis of a 4-(2â€˜-Pyridyl)-1,2,3,5-Dithiadiazolyl Cobalt Complex. Journal of the American Chemical Society, 2004, 126, 9942-9943.	6.6	64
8	Metal-radical coordination complexes of thiazyl and selenazyl ligands. Coordination Chemistry Reviews, 2015, 289-290, 49-61.	9.5	62
9	Mn(II) and Cu(II) Complexes of a Dithiadiazolyl Radical Ligand:Â Monomer/Dimer Equilibria in Solution. Inorganic Chemistry, 2007, 46, 3934-3945.	1.9	59
10	Benzo-Bridged Bis(1,2,3-dithiazoles) and Their Selenium Analogues. Preparation, Molecular and Electronic Structures, and Redox Chemistry. Journal of the American Chemical Society, 1997, 119, 12136-12141.	6.6	58
11	Synthesis and magnetic properties of a 4-(2â€²-pyrimidyl)-1,2,3,5-dithiadiazolyl dimanganese complex. Chemical Communications, 2006, , 341-343.	2.2	58
12	Densities, Apparent Molar Volumes, and Apparent Molar Heat Capacities ofl-Arginine,l-Proline andd,l-Methionine in Water at 288.15, 298.15, 313.15, and 328.15 K. Journal of Chemical & Engineering Data, 1997, 42, 84-89.	1.0	57
13	Extreme Stabilization and Redox Switching of Organic Anions and Radical Anions by Large-Cavity, CH Hydrogen-Bonding Cyanostar Macrocycles. Journal of the American Chemical Society, 2016, 138, 15057-15065.	6.6	53
14	Testing Bridge-Mediated Differences in Dinuclear Valence Tautomeric Behavior. Inorganic Chemistry, 2006, 45, 4461-4467.	1.9	47
15	Magnetic Bistability in Crystalline Organic Radicals: The Interplay of H-bonding, Pancake Bonding, and Electrostatics in 4-(2â€²-Benzimidazolyl)-1,2,3,5-dithiadiazolyl. Journal of the American Chemical Society, 2018, 140, 16904-16908.	6.6	42
16	Aryl 1,5-dithia-2,4,6,8-tetrazocines. A synthetic, electrochemical, and structural investigation. Canadian Journal of Chemistry, 1993, 71, 473-486.	0.6	39
17	Ni(II) andhs-Fe(II) Complexes of a Paramagnetic Thiazyl Ligand, and Decomposition Products of the Iron Complex, Including an Fe(III) Tetramer. Inorganic Chemistry, 2008, 47, 10330-10341.	1.9	37
18	Metal Complexes of Bridging Neutral Radical Ligands: pymDTDA and pymDSDA. Inorganic Chemistry, 2012, 51, 3827-3839.	1.9	36

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19	Dinuclear Cobalt Bis(dioxolene) Complex Exhibiting Two Sequential Thermally Induced Valence Tautomeric Transitions. Inorganic Chemistry, 2006, 45, 8817-8819.	1.9	35
20	Charge Transfer Chemistry of Benzo[2,1-c:3,4-câ€˜]bis(1,2,3-dithiazole) (BT). Preparation and Structural Characterization of [BT][ClO4] and [BT]3[X]2 (X = ClO4- and FSO3-). Chemistry of Materials, 1999, 11, 164-169.	3.2	32
21	Antiaromatic Bis(1,2,3-dithiazoles) with Zwitterionic Ground States. Journal of the American Chemical Society, 2000, 122, 7602-7603.	6.6	32
22	Manipulating the crystal packing of pyDTDA radical ligand coordination complexes with Mn(ii) and Ni(ii). Dalton Transactions, 2009, , 3193.	1.6	32
23	High-spin supramolecular pair of Mn(ii)/thiazyl radical complexes. Chemical Communications, 2010, 46, 6569.	2.2	30
24	Radicalâ€“Radical Recognition: Switchable Magnetic Properties and Re-entrant Behavior. Chemistry of Materials, 2015, 27, 4023-4032.	3.2	28
25	trans-4,4â€˜-Dichloro-1,1â€˜,2,2â€˜,3,3â€˜-tetrathiadiazafulvalene (DC-TAF) and Its 1:1 Radical Cation Salts [DC-TAF][X]:Â Preparation and Solid-State Properties of BF4-, ClO4-, and FSO3-Derivatives. Journal of the American Chemical Society, 1999, 121, 6657-6663.	6.6	27
26	Monodentate N-coordination of a 1,2,3,5-dithiadiazolyl to Mn(II), Co(II) and Ni(II): A new coordination mode. Polyhedron, 2007, 26, 2047-2053.	1.0	25
27	High-Spin Ribbons and Antiferromagnetic Ordering of a Mn^{II}-Biradical-Mn^{II} Complex. Journal of the American Chemical Society, 2013, 135, 13298-13301.	6.6	25
28	1,1â€²,2,2â€²,3,3â€²-Tetrathiadiazafulvalenes; preparation and characterisation of trans-[ClCNS2Cï€†CS2NCCl]. Chemical Communications, 1998, , 1039-1040.	2.2	21
29	5,5â€˜-Bridged Bis(1,2,3-dithiazoles):Â Spin States and Charge-Transfer Chemistry. Inorganic Chemistry, 2001, 40, 2709-2714.	1.9	20
30	Ferromagnetic ordering of â€“[Sm(<scp>iii</scp>)-radical]_nâ€“ coordination polymers. Chemical Communications, 2016, 52, 5414-5417.	2.2	19
31	A bis(1,2,3-dithiazole) charge transfer salt with 2 : 1 stoichiometry; inhibition of association and generation of slipped -stacks. CrystEngComm, 2000, 2, 89.	1.3	17
32	Trinuclear Mn(ii) complex with paramagnetic bridging 1,2,3-dithiazolyl ligands. Chemical Communications, 2012, 48, 10963.	2.2	17
33	McConnell I mechanism promotes ferromagnetic interactions between Ï€-stacked Ni(ii)â€“thiazyl complexes. Chemical Communications, 2013, 49, 9431.	2.2	15
34	[TDNQ][CoCp*₂] and [TDNQ]₃[CoCp₂]₂; Radical Anions of a 1,2,5-Thiadiazolo-naphthoquinone. Crystal Growth and Design, 2011, 11, 2520-2527.	1.4	14
35	Chiral Crystals of an Achiral Molecule Exhibit Plastic Bending and a Crystal-to-Crystal Phase Transition. Crystal Growth and Design, 2017, 17, 1390-1395.	1.4	14
36	A 1,2,3-dithiazolyl-o-naphthoquinone: a neutral radical with isolable cation and anion oxidation states. Dalton Transactions, 2016, 45, 9608-9620.	1.6	13

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37	Stoichiometric control: 8- and 10-coordinate Ln(hfac)₃(bpy) and Ln(hfac)₃(bpy)₂ complexes of the early lanthanides Laâ€“Sm. Dalton Transactions, 2018, 47, 16232-16241.	1.6	12
38	Isomerization of a lanthanide complex using a humming top guest template: a solid-to-solid reaction. CrystEngComm, 2015, 17, 7816-7819.	1.3	11
39	Naphtho[1,2-c;5,6-c]difuran, a stable isobenzofuran derivative. Tetrahedron Letters, 1996, 37, 8845-8848.	0.7	9
40	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. Canadian Journal of Chemistry, 2003, 81, 37-44.	0.6	8
41	Reversible crystal-to-crystal chiral resolution: making/breaking non-bonding Sâ‹¯O interactions. Chemical Communications, 2017, 53, 3964-3966.	2.2	8
42	Organometallic Derivatives of Dithiadiazoles. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 93, 449-450.	0.8	6
43	Slow magnetization dynamics in a six-coordinate Fe(ii)â€“radical complex. Dalton Transactions, 2019, 48, 4514-4519.	1.6	6
44	Bis(1,1,1,5,5,5-hexafluoroacetylacetonato-Î²2O,Oâ€²)bis(tetrahydrofuran-Î²N)iron(II). Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m430-m432.	0.2	5
45	Heisenberg Spin Chains via Chalcogen Bonding: Noncovalent SÂ·Â·Â·O Contacts Enable Long-Range Magnetic Order. Inorganic Chemistry, 2021, 60, 11338-11346.	1.9	4
46	Probing magnetic order and disorder in the one-dimensional molecular spin chains CuF₂(pyz) and [Ln(hfac)₃(boaDTDA)]_n (Lnâ€‰â€‰=â€‰â€‰Sm, La) using implanted muons. Journal of Physics Condensed Matter, 2019, 31, 394002.	0.7	3
47	Alkene adducts of cyclic thiazenes. Identification of exo and endo addition of 1,3,2,4,6-dithiatriazines 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. Canadian Journal of Chemistry, 1994, 72, 1171-1180.	0.6	2
48	Noncovalent Interactions in Organic Radicals: Pancake, Ïƒ-Hole, and H-Bonding in F2HbimDTDA. Crystal Growth and Design, 0, , .	1.4	2
49	Crystalline Molecular Materials: From Structure to Function. Crystal Growth and Design, 2020, 20, 7565-7567.	1.4	1
50	A Supramolecular [Ï€-radical]2 Unit Acts as a Ligand: Coordination of La and Ce by a Pancake-Bonded Pair. Crystal Growth and Design, 0, , .	1.4	1