Dong Shao

List of Publications by Year
in descending order

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55 papers	1,870 citations	257357 24 h-index	265120 42 g-index
55 all docs	55 docs citations	55 times ranked	1712 citing authors

#	Article	IF	Citations
1	Cation-Dependent Magnetic Ordering and Room-Temperature Bistability in Azido-Bridged Perovskite-Type Compounds. Journal of the American Chemical Society, 2013, 135, 16006-16009.	6.6	151
2	Field-Induced Slow Magnetic Relaxation in Cobalt(II) Compounds with Pentagonal Bipyramid Geometry. Inorganic Chemistry, 2014, 53, 12671-12673.	1.9	151
3	Probing the Effect of Axial Ligands on Easy-Plane Anisotropy of Pentagonal-Bipyramidal Cobalt(II) Single-Ion Magnets. Inorganic Chemistry, 2016, 55, 10859-10869.	1.9	103
4	Reversible Onâ€“Off Switching of a Single-Molecule Magnet via a Crystal-to-Crystal Chemical Transformation. Journal of the American Chemical Society, 2017, 139, 11714-11717.	6.6	97
5	Reversible onâ€“off switching of both spin crossover and single-molecule magnet behaviours via a crystal-to-crystal transformation. Chemical Science, 2018, 9, 7986-7991.	3.7	88
6	Magnetic Bistability in a Discrete Organic Radical. Journal of the American Chemical Society, 2016, 138, 10092-10095.	6.6	79
7	Development of <scp>Singleâ€Molecule</scp> Magnets^{â€}. Chinese Journal of Chemistry, 2020, 38, 1005-1018.	2.6	77
8	Spin canting, metamagnetism, and single-chain magnetic behaviour in a cyano-bridged homospin iron(<scp>ii</scp>) compound. Chemical Communications, 2015, 51, 4360-4363.	2.2	66
9	Transition-metal-bridged bimetallic clusters with multiple uraniumâ€“metal bonds. Nature Chemistry, 2019, 11, 248-253.	6.6	66
10	Single molecule magnet behavior observed in a 1-D dysprosium chain with quasi-D_{5h} symmetry. Dalton Transactions, 2015, 44, 20834-20838.	1.6	55
11	Reversible Onâ€“Off Switching of the Hysteretic Spin Crossover in a Cobalt(II) Complex via Crystal to Crystal Transformation. Inorganic Chemistry, 2019, 58, 11589-11598.	1.9	50
12	Single-molecule magnet behaviour in a dysprosium-triradical complex. Chemical Communications, 2018, 54, 9726-9729.	2.2	48
13	Syntheses, structures, and magnetic properties of three new chain compounds based on a pentagonal bipyramidal Co(<scp>ii</scp>) building block. CrystEngComm, 2016, 18, 4150-4157.	1.3	47
14	Two-dimensional frameworks formed by pentagonal bipyramidal cobalt(<scp>ii</scp>) ions and hexacyanometallates: antiferromagnetic ordering, metamagnetism and slow magnetic relaxation. Dalton Transactions, 2017, 46, 9088-9096.	1.6	46
15	Syntheses and magnetic properties of a pyrimidyl-substituted nitronyl nitroxide radical and its cobalt(<scp>ii</scp>) complexes. Chemical Communications, 2016, 52, 5033-5036.	2.2	42
16	Spin Crossover in [Fe(2-Picolylamine)₃]²⁺ Adjusted by Organosulfonate Anions. Inorganic Chemistry, 2015, 54, 7857-7867.	1.9	41
17	A carborane-incorporated mononuclear Co(ii) complex showing zero-field slow magnetic relaxation. Chemical Communications, 2016, 52, 14326-14329.	2.2	38
18	Enhanced Singleâ€Chain Magnet Behavior via Anisotropic Exchange in a Cyanoâ€Bridged Mo^{III}â€“Mn^{II} Chain. Angewandte Chemie - International Edition, 2020, 59, 10379-10384.	7.2	35

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19	Two Interpenetrated Cobalt(II) Metalâ€“Organic Frameworks with Guest-Dependent Structures and Field-Induced Single-Ion Magnet Behaviors. Crystal Growth and Design, 2018, 18, 5270-5278.	1.4	32
20	Structural and magnetic tuning from a field-induced single-ion magnet to a single-chain magnet by anions. Inorganic Chemistry Frontiers, 2015, 2, 846-853.	3.0	31
21	A cyano-bridged coordination nanotube showing field-induced slow magnetic relaxation. CrystEngComm, 2017, 19, 5707-5711.	1.3	29
22	Hydrogen-Bonded Framework of a Cobalt(II) Complex Showing Superior Stability and Field-Induced Slow Magnetic Relaxation. Inorganic Chemistry, 2022, 61, 3754-3762.	1.9	29
23	Slow Magnetic Relaxation in One-Dimensional Azido-Bridged Co^{II} Complexes. Inorganic Chemistry, 2017, 56, 8058-8067.	1.9	28
24	Heterometallic M^{II}Ln^{III} (M = Co/Zn; Ln = Dy/Y) Complexes with Pentagonal Bipyramidal 3d Centers: Syntheses, Structures, and Magnetic Properties. Inorganic Chemistry, 2018, 57, 15526-15536.	1.9	28
25	Syntheses, structures, and magnetic properties of a family of end-on azido-bridged Cu^{II}â€“Ln^{III} complexes. Dalton Transactions, 2017, 46, 7232-7241.	1.6	23
26	Field-Induced Single-Ion Magnet Behaviour in Two New Cobalt(II) Coordination Polymers with 2,4,6-Tris(4-pyridyl)-1,3,5-triazine. Inorganics, 2017, 5, 90.	1.2	23
27	Single-ion magnetism in seven-coordinate Yb^{III} complexes with distorted D_{5h} coordination geometry. Dalton Transactions, 2017, 46, 12884-12892.	1.6	23
28	A family of lanthanide compounds with reduced nitronyl nitroxide diradical: syntheses, structures and magnetic properties. Dalton Transactions, 2018, 47, 7925-7933.	1.6	20
29	Syntheses, structures, and magnetic properties of three two-dimensional cobalt(<scp>ii</scp>) single-ion magnets with a Co^{II}N₄X₂ octahedral geometry. CrystEngComm, 2019, 21, 3176-3185.	1.3	20
30	Field-induced slow magnetic relaxation in two interpenetrated cobalt(<scp>ii</scp>) metalâ€“organic framework isomers. CrystEngComm, 2020, 22, 5275-5279.	1.3	20
31	Tuning the structure and magnetic properties via distinct pyridine derivatives in cobalt(<scp>ii</scp>) coordination polymers. Dalton Transactions, 2022, 51, 695-704.	1.6	20
32	Slow Magnetic Relaxation and Spinâ€Crossover Behavior in a Bicomponent Ionâ€Pair Cobalt(II) Complex. European Journal of Inorganic Chemistry, 2017, 2017, 3862-3867.	1.0	18
33	High-coordinate Co^{II} and Fe^{II} compounds constructed from an asymmetric tetradentate ligand show slow magnetic relaxation behavior. Dalton Transactions, 2018, 47, 8940-8948.	1.6	18
34	Field-induced single-ion magnet behavior in a hydrogen-bonded supramolecular cobalt(II) complex. Polyhedron, 2022, 213, 115614.	1.0	18
35	Spin crossover in hydrogen-bonded frameworks of Fe^{II} complexes with organodisulfonate anions. Dalton Transactions, 2019, 48, 8815-8825.	1.6	17
36	From mononuclear to two-dimensional cobalt(<scp>ii</scp>) complexes based on a mixed benzimidazoleâ€“dicarboxylate strategy: syntheses, structures, and magnetic properties. CrystEngComm, 2019, 21, 749-757.	1.3	16

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37	Spin crossover behaviour in one-dimensional Fe^{II}compounds based on the [M(CN)₄]^{2â˜’}(M = Pd, Pt) units. Dalton Transactions, 2015, 44, 9682-9690.	1.6	15
38	Tuning Magnetic Anisotropy in a Class of Co(II) Bis(hexafluoroacetylacetonate) Complexes. Chemistry - an Asian Journal, 2020, 15, 1469-1477.	1.7	15
39	Spin and valence isomerism in cyanide-bridged {FeIII2M^{II}} (M = Fe and Co) clusters. Dalton Transactions, 2021, 50, 9768-9774.	1.6	15
40	A trinuclear {FeIII2FeII} complex involving both spin and non-spin transitions exhibits three-step and wide thermal hysteresis. Science China Chemistry, 2022, 65, 532-538.	4.2	14
41	Two-dimensional magnetic materials of cobalt(ii) triangular lattices constructed by a mixed benzimidazoleâ€“dicarboxylate strategy. CrystEngComm, 2019, 21, 2596-2604.	1.3	12
42	<scp>Fineâ€Tuning</scp> of Structural Distortion and Magnetic Anisotropy by Organosulfonates in Octahedral Cobalt(<scp>II</scp>) Complexes. Chinese Journal of Chemistry, 2022, 40, 2193-2202.	2.6	12
43	Tuning chain topologies and magnetic anisotropy in one-dimensional cobalt(<scp>ii</scp>) coordination polymers via distinct dicarboxylates. CrystEngComm, 2022, 24, 3928-3937.	1.3	11
44	Three-Dimensional Fe^{II}â€“[Mo^{III}(CN)₇]^{4â€“} Magnets with Ordering below 65 K and Distinct Topologies Induced by Cation Identity. Inorganic Chemistry, 2017, 56, 7182-7189.	1.9	10
45	Two Fourâ€Coordinate and Sevenâ€Coordinate Co^{II} Complexes Based on the Bidentate Ligand 1,8â€Naphthyridine Showing Slow Magnetic Relaxation Behavior. Chemistry - an Asian Journal, 2020, 15, 279-286.	1.7	10
46	An Azidoâ€Bridged Dysprosium Chain Complex Showing Zeroâ€field Slow Magnetic Relaxation. Chemistry - an Asian Journal, 2021, 16, 3331-3335.	1.7	9
47	[Au^I(CN)₂]-Armed [Fe^{III}₂Fe^{II}₂] Square Complex Showing Unusual Spin-Crossover Behavior Due to a Symmetry-Breaking Phase Transition. Inorganic Chemistry, 2022, 61, 5855-5860.	1.9	9
48	A Threeâ€Dimensional Mn II â€[Mo III (CN) 7] 4â€“ Ferrimagnet Containing Formate as a Second Bridging Ligand. Chinese Journal of Chemistry, 2019, 37, 19-24.	2.6	8
49	Enhanced Singleâ€Chain Magnet Behavior via Anisotropic Exchange in a Cyanoâ€Bridged Mo III â€“Mn II Chain. Angewandte Chemie, 2020, 132, 10465-10470.	1.6	8
50	Manipulating the spin crossover behaviour in a series of cyanide-bridged {FeIII2FeII2} molecular squares through NCE^{â˜’} co-ligands. Dalton Transactions, 2022, 51, 5596-5602.	1.6	8
51	Syntheses, structures, and magnetic properties of three new Mn^{II}â€“[Mo^{III}(CN)₇]^{4â˜’}molecular magnets. Dalton Transactions, 2018, 47, 11873-11881.	1.6	7
52	Thermally Induced Reversible Metal-to-Metal Charge Transfer in Mixed-Valence {Fe ^{III} ₄ Fe ^{II} ₄ } Cubes. CCS Chemistry, 2022, 4, 2452-2459.	4.6	7
53	Isolated-Mn²⁺-like Luminescent Behavior in CsMnF₃ Caused by Competing Magnetic Interactions at Cryogenic Temperature. Journal of Physical Chemistry C, 2021, 125, 27800-27809.	1.5	5
54	Two three-dimensional [MoIII(CN)7]4â˜’-based magnets showing new topologies and ferrimagnetic ordering below 80 K. Dalton Transactions, 2019, 48, 8843-8852.	1.6	2

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55	Inside Cover: A Threeâ€Dimensional Mn II â€[Mo III (CN) 7] 4â€“ Ferrimagnet Containing Formate as a Second Bridging Ligand (Chin. J. Chem. 1/2019). Chinese Journal of Chemistry, 2019, 37, 2-2.	2.6	0