

Yoshihiro Sekine

List of Publications by Year in descending order

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papers

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citations

430874

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59
docs citations

59
times ranked

935
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled Intramolecular Electron Transfers in Cyanide-Bridged Molecular Squares by Chemical Modifications and External Stimuli. <i>Journal of the American Chemical Society</i> , 2011, 133, 3592-3600.	13.7	215
2	A Light-Induced Phase Exhibiting Slow Magnetic Relaxation in a Cyanide-Bridged $[\text{Fe}_4\text{Co}_2]$ Complex. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6361-6364.	13.8	134
3	A Hydrogen-Bonded Cyanide-Bridged $[\text{Co}_2\text{Fe}_2]$ Square Complex Exhibiting a Three-Step Spin Transition. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 591-594.	13.8	82
4	Achiral single molecule magnet and chiral single chain magnet. <i>Chemical Communications</i> , 2010, 46, 6117.	4.1	76
5	Thermally Two-stepped Spin Transitions Induced by Intramolecular Electron Transfers in a Cyanide-bridged Molecular Square. <i>Chemistry Letters</i> , 2010, 39, 978-979.	1.3	57
6	Thermally Induced Valence Tautomeric Transition in a Two-Dimensional $\text{Fe}_4\text{Tetraoxolene}$ Honeycomb Network. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12043-12047.	13.8	45
7	Intramolecular Electron Transfers in a Series of $[\text{Co}_2\text{Fe}_2]$ Tetranuclear Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 11912-11919.	4.0	37
8	Dimensionally Controlled Assembly of an External Stimuli-Responsive $[\text{Co}_2\text{Fe}_2]$ Complex into Supramolecular Hydrogen-Bonded Networks. <i>Chemistry - A European Journal</i> , 2017, 23, 5193-5197.	3.3	36
9	Cyanide-Bridged Decanuclear Cobalt-Iron Cage. <i>Inorganic Chemistry</i> , 2014, 53, 5899-5901.	4.0	34
10	Lethal Interactions of SARS-CoV-2 with Graphene Oxide: Implications for COVID-19 Treatment. <i>ACS Applied Nano Materials</i> , 2021, 4, 11881-11887.	5.0	33
11	X-ray-induced phase transitions by selective excitation of heterometal ions in a cyanide-bridged $\text{Fe}^{\text{II}}\text{Co}$ molecular square. <i>Chemical Communications</i> , 2014, 50, 4050-4052.	4.1	31
12	Magnetic Phase Switching in a Tetraoxolene-Bridged Honeycomb Ferrimagnet Using a Lithium Ion Battery System. <i>Chemistry of Materials</i> , 2017, 29, 10053-10059.	6.7	31
13	Investigation of the light-induced electron-transfer-coupled spin transition in a cyanide-bridged $[\text{Co}_2\text{Fe}_2]$ complex by X-ray diffraction and absorption measurements. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 540-543.	6.0	26
14	A Hydrogen-Bonded Cyanide-Bridged $[\text{Co}_2\text{Fe}_2]$ Square Complex Exhibiting a Three-Step Spin Transition. <i>Angewandte Chemie</i> , 2017, 129, 606-609.	2.0	24
15	Chameleonic layered metal-organic frameworks with variable charge-ordered states triggered by temperature and guest molecules. <i>Chemical Science</i> , 2020, 11, 3610-3618.	7.4	24
16	3D porous Ni/NiO_x as a bifunctional oxygen electrocatalyst derived from freeze-dried $\text{Ni}(\text{OH})_2$. <i>Nanoscale</i> , 2021, 13, 5530-5535.	5.6	21
17	Abrupt Phase Transition Based on Electron-transfer-coupled Spin Transition in a Cyanide-bridged $[\text{Co}_2\text{Fe}_2]$ Tetranuclear Complex. <i>Chemistry Letters</i> , 2014, 43, 1029-1030.	1.3	20
18	Solid-State Hydrogen-Bond Alterations in a $[\text{Co}_2\text{Fe}_2]$ Complex with Bifunctional Hydrogen-Bonding Donors. <i>Chemistry - A European Journal</i> , 2019, 25, 7449-7452.	3.3	20

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19	Built-in TTFâ€“TCNQ charge-transfer salts in π -stacked pillared layer frameworks. CrystEngComm, 2017, 19, 2300-2304.	2.6	17
20	Hydrogen bond-induced abrupt spin crossover behaviour in 1-D cobalt(II) complexes â€“ the key role of solvate water molecules. Dalton Transactions, 2021, 50, 7843-7853.	3.3	16
21	A Ferroelectric Metallomesogen Exhibiting Fieldâ€“induced Slow Magnetic Relaxation. Chemistry - A European Journal, 2021, , .	3.3	16
22	Recent advances in ferroelectric metal complexes. Coordination Chemistry Reviews, 2022, 469, 214663.	18.8	13
23	trans-Heteroleptic carboxylate-bridged paddlewheel diruthenium(II , II) complexes with 2,6-bis(trifluoromethyl)benzoate ligands. Dalton Transactions, 2016, 45, 7427-7434.	3.3	11
24	Stepwise fabrication of donor/acceptor thin films with a charge-transfer molecular wire motif. Chemical Communications, 2016, 52, 13983-13986.	4.1	11
25	One-Dimensional Chains of Paddlewheel-Type Dichromium(II,II) Tetraacetate Complexes: Study of Electronic Structure Influenced by π - and σ -Donation of Axial Linkers. Inorganic Chemistry, 2018, 57, 5371-5379.	4.0	11
26	Thermally Induced Valence Tautomeric Transition in a Twoâ€“Dimensional Feâ€“Tetraoxolene Honeycomb Network. Angewandte Chemie, 2018, 130, 12219-12223.	2.0	10
27	Electrochemical development of magnetic long-range correlations with $T_c = 128 \text{ K}$ in a tetraoxolene-bridged Fe-based framework. Journal of Magnetism and Magnetic Materials, 2020, 494, 165818.	2.3	10
28	Enhanced thermoelectric properties exhibited by unreduced freestanding graphene oxide/carbon nanotube membranes. Materials Advances, 2021, 2, 5645-5649.	5.4	10
29	Microwave-assisted catalytic conversion of chitin to 5-hydroxymethylfurfural using polyoxometalate as catalyst. RSC Advances, 2021, 12, 406-412.	3.6	9
30	Ionic Donorâ€“Acceptor Chain Derived from an Electronâ€“Transfer Reaction of a Paddlewheelâ€“Type Diruthenium(II,â€“II) Complex and N_2 , N_2 â€“Dicyanoquinonediimine. Chemistry - A European Journal, 2018, 24, 13093-13097.	3.3	8
31	A plastically bendable and polar organic crystal. CrystEngComm, 2021, 23, 5560-5563.	2.6	8
32	High Proton Conductivity from Titanium Oxide Nanosheets and Their Variation Based on Crystal Phase. Bulletin of the Chemical Society of Japan, 2021, 94, 1840-1845.	3.2	8
33	Microwave aided conversion of cellulose to glucose using polyoxometalate as catalyst. RSC Advances, 2021, 11, 34558-34563.	3.6	8
34	Hammett-law Correlation in the Electron-donation Ability of <i>trans</i> -Heteroleptic Benzoate-bridged Paddlewheel-type Diruthenium(II,II) Complexes. Chemistry Letters, 2018, 47, 693-696.	1.3	7
35	Strong electronic influence of equatorial ligands on frontier orbitals in paddlewheel dichromium(II , II) complexes. Dalton Transactions, 2019, 48, 908-914.	3.3	7
36	Recrystallization solvent-dependent elastic/plastic flexibility of an <i>n</i> -dodecyl-substituted tetrachlorophthalimide. Chemical Communications, 2022, 58, 5411-5414.	4.1	7

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37	Fine tuning of intra-lattice electron transfers through site doping in tetraoxolene-bridged iron honeycomb layers. <i>Chemical Communications</i> , 2020, 56, 10867-10870.	4.1	6
38	Magnetism in a helicate complexes arising with the tetradentate ligand. <i>Dalton Transactions</i> , 2021, 50, 494-498.	3.3	6
39	Modulation of the elasticity of single crystal, 1-D metal dimethylglyoximate complexes via solid solution effect. <i>CrystEngComm</i> , 0, , .	2.6	6
40	Encapsulation and controlled release of an antimalarial drug using surface functionalized mesoporous silica nanocarriers. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5043-5046.	5.8	4
41	Ionicity Diagrams for Electron-Donor and -Acceptor Metal-Organic Frameworks: DA Chains and D ₂ A Layers Obtained from Paddlewheel-Type Diruthenium(II,II) Complexes and Polycyano-Organic Acceptors. <i>Inorganic Chemistry</i> , 2021, 60, 3046-3056.	4.0	4
42	Crystallization of Diamond from Graphene Oxide Nanosheets by a High Temperature and High Pressure Method. <i>ChemistrySelect</i> , 2021, 6, 3399-3402.	1.5	4
43	High water adsorption features of graphene oxide: potential of graphene oxide-based desert plantation. <i>Materials Advances</i> , 2022, 3, 3418-3422.	5.4	4
44	Insights and Further Understanding of Radioactive Cesium Removal Using Zeolite, Prussian Blue and Graphene Oxide as Adsorbents. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 862-870.	3.2	4
45	Magnetic Phase Switching Performance in an Fe-Tetraoxolene-Layered Metal-Organic Framework via Electrochemical Cycling. <i>Inorganic Chemistry</i> , 2021, 60, 9456-9460.	4.0	3
46	Engineering ferromagnetism in Ni(OH) ₂ nanosheets using tunable uniaxial pressure in graphene oxide/reduced graphene oxide. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 24233-24238.	2.8	3
47	High Proton Conductivity of 3D Graphene Oxide Intercalated with Aromatic Sulfonic Acids. <i>ChemPlusChem</i> , 2022, 87, e202200003.	2.8	3
48	1D Mn(III) coordination polymers exhibiting chiral symmetry breaking and weak ferromagnetism. <i>Dalton Transactions</i> , 2021, 50, 5428-5432.	3.3	2
49	Structural and Magnetic Characterization of Homo- and Heterometallic Trinuclear Ni(II) and Cu(II) Clusters with N ₂ O ₆ Acyclic Polydentate Ligand. <i>Chemistry Letters</i> , 2021, 50, 1945-1948.	1.3	2
50	Enhanced mixed proton and electron conductor at room temperature from chemically modified single-wall carbon nanotubes. <i>RSC Advances</i> , 2022, 12, 8632-8636.	3.6	2
51	Synergistic Strengthening in Graphene Oxide and Oxidized Single-walled Carbon Nanotube Hybrid Material for use as Electrolytes in Proton Exchange Membrane Fuel Cells. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	2
52	Å-Å-Å: A Hydrogen-Bonded Cyanide-Bridged [Co ₂ Fe ₂] Square Complex Exhibiting a Three-Step Spin Transition (<i>Angew. Chem.</i> 2/2017). <i>Angewandte Chemie</i> , 2017, 129, 672-672.	2.0	1
53	Å-Å-Å: A Light-Induced Phase Exhibiting Slow Magnetic Relaxation in a Cyanide-Bridged [Fe ₄ Co ₂] Complex (<i>Angew. Chem.</i> 26/2012). <i>Angewandte Chemie</i> , 2012, 124, 6640-6640.	2.0	0
54	Back Cover: A Light-Induced Phase Exhibiting Slow Magnetic Relaxation in a Cyanide-Bridged [Fe ₄ Co ₂] Complex (<i>Angew. Chem. Int. Ed.</i> 26/2012). <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6536-6536.	13.8	0