

Ryo Ohtani

List of Publications by Year in descending order

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97
papers

2,400
citations

346980

22
h-index

263392

45
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105
all docs

105
docs citations

105
times ranked

3070
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploration of glassy state in Prussian blue analogues. <i>Nature Communications</i> , 2022, 13, .	5.8	21
2	Light-induced excited spin state trapping in iron(III) complexes. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 484-498.	3.0	27
3	Spin crossover phenomena in long chain alkylated complexes. <i>Dalton Transactions</i> , 2021, 50, 5065-5079.	1.6	12
4	Guest-selective and reversible magnetic phase switching in a pseudo-pillared-layer porous magnet. <i>Chemical Communications</i> , 2021, 57, 5211-5214.	2.2	7
5	Crystalline assembly of metal-organic polyhedra driven by ionic interactions with polyoxometalates. <i>Chemical Communications</i> , 2021, 57, 5187-5190.	2.2	14
6	Theoretical investigation of tetrahedral distortion of four-coordinate iron(II) centres in FePd(CN) ₄ . <i>Dalton Transactions</i> , 2021, 50, 1990-1994.	1.6	2
7	Coordination Geometry Changes in Amorphous Cyanide-Bridged Metal-Organic Frameworks upon Water Adsorption. <i>Inorganic Chemistry</i> , 2021, 60, 3338-3344.	1.9	14
8	Guest-Tunable Excited States in a Cyanide-Bridged Luminescent Coordination Polymer. <i>Inorganic Chemistry</i> , 2021, 60, 6140-6146.	1.9	12
9	Node Distortion Modulation for Anisotropic Thermal Expansions of Two-dimensional Coordination Polymers. <i>ChemNanoMat</i> , 2021, 7, 534-538.	1.5	5
10	Metal Complex Lipids for Fluid-Fluid Phase Separation in Coassembled Phospholipid Membranes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13603-13608.	7.2	3
11	Metal Complex Lipids for Fluid-Fluid Phase Separation in Coassembled Phospholipid Membranes. <i>Angewandte Chemie</i> , 2021, 133, 13715-13720.	1.6	0
12	A Cyanido-bridged Luminescent Coordination Polymer Composed of Janus-type Layers and Its Two-dimensional Negative Thermal Expansion. <i>Chemistry Letters</i> , 2021, 50, 1577-1580.	0.7	7
13	Flexibility Control of Two-dimensional Coordination Polymers by Crystal Morphology: Water Adsorption and Thermal Expansion. <i>Chemistry - A European Journal</i> , 2021, 27, 18135-18140.	1.7	8
14	Swift and Efficient Nuclear Spin Conversion of Molecular Hydrogen Confined in Prussian Blue Analogs. <i>Chemistry Letters</i> , 2020, 49, 149-152.	0.7	1
15	Guest Modulated Spin States of Metal Complex Assemblies. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3709-3719.	1.0	13
16	Responsive Four-coordinate Iron(II) Nodes in FePd(CN) ₄ . <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19254-19259.	7.2	18
17	Vapor switching of the luminescence mechanism in a Re(V) complex. <i>Chemical Communications</i> , 2020, 56, 12961-12964.	2.2	7
18	Pseudo-Membrane Jackets: Two-dimensional Coordination Polymers Achieving Visible Phase Separation in Cell Membrane. <i>Angewandte Chemie</i> , 2020, 132, 18087-18093.	1.6	7

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19	Responsive Four-coordinate Iron(II) Nodes in FePd(CN) ₄ . <i>Angewandte Chemie</i> , 2020, 132, 19416-19421.	1.6	0
20	Luminescent ionic liquid formed from a melted rhenium(ν) cluster. <i>Chemical Communications</i> , 2020, 56, 7957-7960.	2.2	22
21	Pseudo-membrane Jackets: Two-dimensional Coordination Polymers Achieving Visible Phase Separation in Cell Membrane. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17931-17937.	7.2	11
22	Double-layered honeycomb architectures constructed via hierarchical self-assembly of hexagonal spin crossover cobalt(II) metallacycles. <i>Chemical Communications</i> , 2020, 56, 5835-5838.	2.2	4
23	Structure and magnetic property of μ -oxo bridged dinuclear iron(III) complex with trialkylated tridentate ligands. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2019, 94, 183-188.	0.9	0
24	Morphology and magnetic properties of synthesized lipid packaged iron(II) complex. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2019, 94, 189-194.	0.9	0
25	Homo- and Heterosolvent Modifications of Hofmann-Type Flexible Two-Dimensional Layers for Colossal Interlayer Thermal Expansions. <i>Inorganic Chemistry</i> , 2019, 58, 12739-12747.	1.9	12
26	Consecutive oxidative additions of iodine on undulating 2D coordination polymers: formation of Pt-I chains and inhomogeneous layers. <i>Dalton Transactions</i> , 2019, 48, 7198-7202.	1.6	7
27	Slow Magnetic Relaxation Triggered by a Structural Phase Transition in Long-Chain-Alkylated Cobalt(II) Single-Ion Magnets. <i>Inorganic Chemistry</i> , 2019, 58, 7409-7415.	1.9	30
28	Weak ferromagnetism derived from spin canting in an amido-bridged homochiral Mn(III) 1-D coordination polymer. <i>Dalton Transactions</i> , 2019, 48, 8617-8622.	1.6	4
29	Phosphorescence at Low Temperature by External Heavy-Atom Effect in Zinc(II) Clusters. <i>Chemistry - A European Journal</i> , 2019, 25, 5875-5879.	1.7	10
30	Water-Induced Breaking of the Coulombic Ordering in Room-Temperature Ionic Liquid Metal Complex. <i>Chemistry - A European Journal</i> , 2019, 25, 7521-7525.	1.7	6
31	Triply methoxy-bridged tetranuclear nickel cubane complexes with salicylate esters. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2019, 94, 195-199.	0.9	2
32	Construction of Synthetic Microdomains using Metal Complex Lipids on Cell Membranes. <i>Membrane</i> , 2019, 44, 247-250.	0.0	0
33	Intermolecular Interaction Tuning of Spin-Crossover Iron(III) Complexes with Aromatic Counteranions. <i>Inorganic Chemistry</i> , 2018, 57, 2834-2842.	1.9	47
34	Super Dielectric Materials of Two-Dimensional TiO ₂ or Ca ₂ Nb ₃ O ₁₀ Nanosheet Hybrids with Reduced Graphene Oxide. <i>ACS Omega</i> , 2018, 3, 2074-2083.	1.6	22
35	Proton Relaxation Time in Water-soluble Metal Complex Nanoparticles. <i>Chemistry Letters</i> , 2018, 47, 598-600.	0.7	2
36	Hybrids from the π - π Stacking of Graphene Oxide and Aromatic Sulfonic Compounds for Improved Proton Conductivity. <i>ChemElectroChem</i> , 2018, 5, 238-241.	1.7	26

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37	Wheel-type heterometallic ferromagnetic clusters: $[\text{Ni}_{7-x}\text{M}_x(\text{HL})_6(\text{O}^i\text{Me})_3(\text{O}^i\text{H})_2]$ ($M = \text{Zn, Co, Mn}$; $x = 1, 3$). Dalton Transactions, 2018, 47, 16422-16428.		
38	Positive and Negative Two-Dimensional Thermal Expansion via Relaxation of Node Distortions. Inorganic Chemistry, 2018, 57, 11588-11596.	1.9	25
39	Ferroelectric and luminescence properties of zinc(II) and platinum(II) soft complexes. Dalton Transactions, 2018, 47, 14288-14292.	1.6	8
40	Post-synthetic Modification of a Dinuclear Spin Crossover Iron(III) Complex. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 729-734.	0.6	8
41	Creating capsules with cubanes. Dalton Transactions, 2018, 47, 9575-9578.	1.6	6
42	Abrupt spin transition in a modified-terpyridine cobalt(II) complex with a highly-distorted $[\text{CoN}_6]$ core. Dalton Transactions, 2018, 47, 13809-13814.	1.6	22
43	Crystal Structures and Spin-Crossover Behavior of Iron(II) Complexes with Chiral and Racemic Ligands. European Journal of Inorganic Chemistry, 2017, 2017, 1048-1048.	1.0	1
44	Modulation of redox potentials utilizing the flexible coordination sphere of a penta-coordinate complex in the solid state. Dalton Transactions, 2017, 46, 3749-3754.	1.6	5
45	Molecular Assemblies of Metal Complexes via Base-Pairing of Nucleic Acids in the Crystalline State. Chemistry - A European Journal, 2017, 23, 7232-7237.	1.7	7
46	Molecular Assemblies and Spin-Crossover Behaviour of Cobalt(II) Complexes with Terpyridine Incorporating Different Nitrogen Positions in Pyridine Rings. Australian Journal of Chemistry, 2017, 70, 494.	0.5	4
47	Zero in-Plane Thermal Expansion in Guest-Tunable 2D Coordination Polymers. Inorganic Chemistry, 2017, 56, 6225-6233.	1.9	23
48	Role of hydrophilic groups in acid intercalated graphene oxide as a superionic conductor. RSC Advances, 2017, 7, 21901-21905.	1.7	32
49	Crystal structure of $[\text{2}-\{2-[(2\text{-azanidylbenzylidene)amino}]\text{benzylidene}\}\text{amino}-4\text{-chlorophenolato}]\text{nickel(II)}$. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 637-639.	0.2	1
50	Tri-Functional OER, HER and ORR Electrocatalyst Electrodes from In Situ Metal-Nitrogen Co-Doped Oxidized Graphite Rods. Bulletin of the Chemical Society of Japan, 2017, 90, 950-954.	2.0	21
51	Interlayer Void Space as the Key Semipermeable Site for Sieving Molecules and Leaking Ions in Graphene Oxide Filter. ChemistrySelect, 2017, 2, 4248-4254.	0.7	10
52	Supramolecular architectures self-assembled using long chain alkylated spin crossover cobalt(II) compounds. Chemical Communications, 2017, 53, 4685-4687.	2.2	12
53	Proton Conductivity of Graphene Oxide on Aging. Australian Journal of Chemistry, 2017, 70, 642.	0.5	15
54	Crystal Structures and Spin-Crossover Behavior of Iron(II) Complexes with Chiral and Racemic Ligands. European Journal of Inorganic Chemistry, 2017, 2017, 1049-1053.	1.0	14

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55	Oxidation route dependent proton conductivities of oxidized fullerenes. <i>New Journal of Chemistry</i> , 2017, 41, 14708-14712.	1.4	10
56	Tuneable pressure effects in graphene oxide layers. <i>Scientific Reports</i> , 2017, 7, 12159.	1.6	13
57	Oxygen-functionalized Porous Carbon as Single-phase Mixed Electron/Proton Conductor with Capacitance Properties. <i>Chemistry Letters</i> , 2017, 46, 1828-1831.	0.7	7
58	Development of an All Solid State Battery Incorporating Graphene Oxide as Proton Conductor. <i>Global Challenges</i> , 2017, 1, 1700054.	1.8	9
59	Frontispiece: Molecular Assemblies of Metal Complexes via Base-Pairing of Nucleic Acids in the Crystalline State. <i>Chemistry - A European Journal</i> , 2017, 23, .	1.7	0
60	Photoreduction Dependent p- and n-Type Semiconducting Field-Effect Transistor Properties in Undoped Reduced Graphene Oxide. <i>ChemistrySelect</i> , 2017, 2, 6941-6944.	0.7	8
61	Frontispiece: Guest-Dependent Spin-Transition Behavior of Porous Coordination Polymers. <i>Chemistry - A European Journal</i> , 2017, 23, .	1.7	2
62	The impact of metal complex lipids on viscosity and curvature of hybrid liposomes. <i>Chemical Communications</i> , 2017, 53, 13249-13252.	2.2	11
63	Guest-Dependent Spin-Transition Behavior of Porous Coordination Polymers. <i>Chemistry - A European Journal</i> , 2017, 23, 2236-2248.	1.7	96
64	Superionic Conductivity in Hybrid of 3-Hydroxypropanesulfonic Acid and Graphene Oxide. <i>Chemistry - an Asian Journal</i> , 2017, 12, 194-197.	1.7	22
65	Syntheses, structures and magnetic properties of tetranuclear cubane-type and heptanuclear wheel-type nickel(<i>scp</i>) complexes with 3-methoxysalicylic acid derivatives. <i>Dalton Transactions</i> , 2017, 46, 8555-8561.	1.6	17
66	<i>In Situ</i> Generation of Silicon Oxycarbide Phases on Reduced Graphene Oxide for Li-Ion Battery Anode. <i>ChemistrySelect</i> , 2016, 1, 6429-6433.	0.7	8
67	Reduced graphene oxide-transition metal hybrids as p-type semiconductors for acetaldehyde sensing. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 842-848.	3.0	28
68	Water-dependent charge-transfer-induced spin transition of Prussian blue analogues. <i>Dalton Transactions</i> , 2016, 45, 16784-16788.	1.6	8
69	Effect of Interlayer Distance and Oxygen Content on Proton Conductivity of Graphite Oxide. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21976-21982.	1.5	68
70	Photocurrent Generation of Graphene Oxide Hybrid with Ru(II) Complex. <i>Chemistry Letters</i> , 2016, 45, 365-367.	0.7	5
71	Thermally Stable Super Ionic Conductor from Carbon Sphere Oxide. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2322-2327.	1.7	16
72	Synthesis of mesoporous materials as nano-carriers for an antimalarial drug. <i>Journal of Materials Chemistry B</i> , 2016, 4, 1040-1043.	2.9	13

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73	Magnetic and liquid crystalline property of long-alkyl chain appended iron (II) imidazole complexes. <i>Journal of Organometallic Chemistry</i> , 2016, 808, 42-47.	0.8	5
74	Metal Dilution Effects on the Reverse Spin Transition in Mixed Crystals of Type $[\text{Co}_{1-x}\text{Zn}_x(\text{C}_{16}\text{-terpy})_2](\text{BF}_4)_2$ ($x = 0.1 \sim 0.7$). <i>Inorganic Chemistry</i> , 2016, 55, 3332-3337.		
75	Molecular Designs for Enhancement of Polarity in Ferroelectric Soft Materials. <i>Scientific Reports</i> , 2015, 5, 16606.	1.6	11
76	Spin-crossover behaviors in solvated cobalt(II) compounds. <i>Dalton Transactions</i> , 2015, 44, 9345-9348.	1.6	37
77	Coexistence of electrical conductivity and ferromagnetism in a hybrid material formed from reduced graphene oxide and manganese oxide. <i>Dalton Transactions</i> , 2015, 44, 5049-5052.	1.6	9
78	Graphene oxide and reduced graphene oxide hybrids with spin crossover iron(III) complexes. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 886-892.	3.0	26
79	Crystal structures and magnetic properties of manganese(III) complexes with tridentate Schiff base ligands. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 82, 213-218.	0.9	0
80	Photoswitching of the dielectric property of salicylideneaniline. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 82, 219-223.	0.9	8
81	Direct observation of low-temperature bistability in an iron(III) LIESST compound. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 82, 225-228.	0.9	1
82	The impact of halogen ions on the guest dependent spin crossover behaviour and porosity of $\text{Co}(\text{II})$ one-dimensional coordination polymers $[\text{CoX}_2(4\text{-pyridyl})_2(6\text{-terpyridine})]$ ($X = \text{Cl}$ and Br). <i>Journal of Materials Chemistry C</i> , 2015, 3, 7865-7869.	2.7	16
83	Redox induced colour changes between red-violet and blue in hetero-metal complexes of the type $[\text{Co}^{\text{II}}(4\text{-ferrocenyl-2,6-terpyridine})_2\text{X}_2]$ ($X = \text{counter anion}$). <i>Dalton Transactions</i> , 2015, 44, 18354-18359.		11
84	Sequential Synthesis of Coordination Polymersomes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1139-1143.	7.2	13
85	Crystal structure of bis[4-(1,4,7,10-tetraoxa-13-azacyclopentadecan-13-yl)-2,6-terpyridine]cobalt(III) tris(perchlorate) methanol monosolvate monohydrate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, 997-999.	0.2	0
86	Guest Modulation of Spin-Crossover Transition Temperature in a Porous Iron(II) Metal-Organic Framework: Experimental and Periodic DFT Studies. <i>Chemistry - A European Journal</i> , 2014, 20, 12864-12873.	1.7	55
87	Graphene and Graphene Oxide as Super Materials. <i>Current Inorganic Chemistry</i> , 2014, 4, 191-219.	0.2	14
88	Guest responsivity of a two-dimensional coordination polymer incorporating a cholesterol-based co-ligand. <i>Dalton Transactions</i> , 2013, 42, 15893.	1.6	4
89	Modulation of Spin-Crossover Behavior in an Elongated and Flexible Hofmann-Type Porous Coordination Polymer. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 104-110.	1.9	33
90	Coordination pillared layers using a dinuclear Mn(V) complex as a secondary building unit. <i>Polyhedron</i> , 2013, 52, 591-597.	1.0	16

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91	Modulation of the Interlayer Structures and Magnetic Behavior of 2D Spin-Crossover Coordination Polymers [Fe ^{II} (L) ₂ Pt ^{II} (CN) ₄]. European Journal of Inorganic Chemistry, 2013, 2013, 738-744.	1.0	40
92	Modulation of the Interlayer Structures and Magnetic Behavior of 2D Spin-Crossover Coordination Polymers [Fe ^{II} (L) ₂ Pt ^{II} (CN) ₄] (Eur. J. Inorg. Chem.)	1.0	40
93	Enhanced bistability by guest inclusion in Fe(ii) spin crossover porous coordination polymers. Chemical Communications, 2012, 48, 4686.	2.2	107
94	A Switchable Molecular Rotator: Neutron Spectroscopy Study on a Polymeric Spin-Crossover Compound. Journal of the American Chemical Society, 2012, 134, 5083-5089.	6.6	118
95	Synthesis of Prussian Blue Nanoparticles with a Hollow Interior by Controlled Chemical Etching. Angewandte Chemie - International Edition, 2012, 51, 984-988.	7.2	424
96	Precise Control and Consecutive Modulation of Spin Transition Temperature Using Chemical Migration in Porous Coordination Polymers. Journal of the American Chemical Society, 2011, 133, 8600-8605.	6.6	191
97	Oxidative Addition of Halogens on Open Metal Sites in a Microporous Spin-Crossover Coordination Polymer. Angewandte Chemie - International Edition, 2009, 48, 8944-8947.	7.2	164