

# Takeshi Matsumoto

## List of Publications by Year in descending order

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46  
papers

2,062  
citations

471061

17  
h-index

233125

45  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1778  
citing authors

#	ARTICLE	IF	CITATIONS
1	Primary structure and expression from complementary DNA of skeletal muscle ryanodine receptor. <i>Nature</i> , 1989, 339, 439-445.	13.7	1,157
2	A Boremium Cation Stabilized by an N-Heterocyclic Carbene Ligand. <i>Organometallics</i> , 2009, 28, 4252-4253.	1.1	191
3	Vapochromic Luminescence and Flexibility Control of Porous Coordination Polymers by Substitution of Luminescent Multinuclear Cu(I) Cluster Nodes. <i>Inorganic Chemistry</i> , 2015, 54, 8905-8913.	1.9	65
4	Shape-Memory Platinum(II) Complexes: Intelligent Vapor-History Sensor with ON-OFF Switching Function. <i>Chemistry - A European Journal</i> , 2016, 22, 2682-2690.	1.7	64
5	Nonprecious-Metal-Assisted Photochemical Hydrogen Production from <i>ortho</i> -Phenylenediamine. <i>Journal of the American Chemical Society</i> , 2013, 135, 8646-8654.	6.6	52
6	Synthesis and Properties of $\eta^6$ -Silabenzene- $\pi$ -M(CO) <sub>3</sub> Complexes (M = Cr, Mo). <i>Organometallics</i> , 2005, 24, 6141-6146.	1.1	43
7	Synthesis and Lewis Acidic Behavior of a Cationic 9-Thia-10-boraanthracene. <i>Organometallics</i> , 2010, 29, 5490-5495.	1.1	43
8	Synthesis and Properties of a Kinetically Stabilized 9-Silaphenanthrene. <i>Organometallics</i> , 2007, 26, 4048-4053.	1.1	38
9	CO <sub>2</sub> -Free Power Generation on an Iron Group Nanoalloy Catalyst via Selective Oxidation of Ethylene Glycol to Oxalic Acid in Alkaline Media. <i>Scientific Reports</i> , 2014, 4, 5620.	1.6	36
10	The Chemistry of Stable Silabenzenes. <i>Journal of the Chinese Chemical Society</i> , 2008, 55, 487-507.	0.8	35
11	Silyl-Substituted 1,4-Disila(Dewar benzene): A New Synthesis and Unexpected Insertion of CO into the Si-Si Bond To Form a Disilyl Ketone. <i>Organometallics</i> , 2005, 24, 3368-3370.	1.1	31
12	Chromic Behaviors of Hexagonal Columnar Liquid Crystalline Platinum Complexes with Catecholato, 2-Thiophenolato, and Benzenedithiolato. <i>Inorganic Chemistry</i> , 2011, 50, 4279-4288.	1.9	31
13	Dehydrogenation of anhydrous methanol at room temperature by <i>o</i> -aminophenol-based photocatalysts. <i>Nature Communications</i> , 2016, 7, 12333.	5.8	31
14	Two New Syntheses of the Pyranojuglone Pigment $\beta$ -Caryopterone. <i>Helvetica Chimica Acta</i> , 1985, 68, 2324-2331.	1.0	24
15	Atomically mixed Fe-group nanoalloys: catalyst design for the selective electrooxidation of ethylene glycol to oxalic acid. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 11359-11366.	1.3	23
16	Metal-Dependent and Redox-Selective Coordination Behaviors of Metalloligand [Mo <sup>V</sup> (1,2-benzenedithiolato) <sub>3</sub> ] <sup>+</sup> with Cu <sup>I</sup> /Ag <sup>I</sup> Ions. <i>Inorganic Chemistry</i> , 2011, 50, 2859-2869.	1.9	20
17	Systematic Syntheses and Metalloligand Doping of Flexible Porous Coordination Polymers Composed of a Co(III) Metalloligand. <i>Inorganic Chemistry</i> , 2015, 54, 2522-2535.	1.9	18
18	Reduction of a Kinetically Stabilized Silabenzene Leading to the Formation of the Corresponding Anion Radical Species. <i>Organometallics</i> , 2008, 27, 305-308.	1.1	13

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19	Impact of Group 10 Metals on the Solvent-Induced Disproportionation of $\sigma$ -Semiquinonato Complexes. <i>Chemistry - A European Journal</i> , 2019, 25, 8268-8278.	1.7	11
20	Dilithium 1,4-Disilacyclohexa-2,5-diene-1,4-diide by the Reduction of 1,4-Disilabicyclo[2.2.0]hexa-2,5-diene: Synthesis and Characterization. <i>Organometallics</i> , 2006, 25, 5850-5851.	1.1	10
21	Integration of Alkyl-Substituted Bipyridyl Benzenedithiolato Platinum(II) Complexes with Cadmium(II) Ion via Selective Dative Bond Formation. <i>Inorganic Chemistry</i> , 2013, 52, 4324-4334.	1.9	10
22	Photoinduced Dimerization Reaction Coupled with Oxygenation of a Platinum(II)-Hydrazone Complex. <i>Inorganic Chemistry</i> , 2014, 53, 2573-2581.	1.9	10
23	Immobilization of a Redox-active Catecholato Pt(II) Complex on an Indium-doped Tin Oxide Electrode via Phosphonate Anchors. <i>Chemistry Letters</i> , 2014, 43, 1189-1191.	0.7	10
24	Coordination site-dependent cation binding and multi-responsible redox properties of Janus-head metalloligand, [MoV(1,2-mercaptophenolato) <sub>3</sub> ]. <i>Dalton Transactions</i> , 2012, 41, 8303.	1.6	8
25	Self-association and columnar liquid crystalline phase of cationic alkyl-substituted-bipyridine benzenedithiolato gold(III) complexes. <i>Dalton Transactions</i> , 2013, 42, 15995.	1.6	6
26	Direct Photochemical C-H Carboxylation of Aromatic Diamines with CO <sub>2</sub> under Electron-Donor- and Base-free Conditions. <i>Scientific Reports</i> , 2018, 8, 14623.	1.6	6
27	Molecular Insights into the Ligand-Based Six-Proton- and Six-Electron-Transfer Processes Between Tris(ortho-phenylenediamines) and Tris(ortho-benzoquinodiamines). <i>Chemistry - A European Journal</i> , 2020, 26, 9609-9619.	1.7	6
28	Surfactant-Assisted Direct Crystallization of CON-Type Zeolites with Particle Size and Acid-Site Location Controlled. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 1733-1747.	1.8	6
29	Highly polar solvent-induced disproportionation of a cationic Pt(II)-diimine complex containing an o-semiquinonato. <i>Dalton Transactions</i> , 2016, 45, 4974-4977.	1.6	5
30	Fabrication of AEI-type aluminosilicate catalyst with sheet-like morphology for direct conversion of propene to butenes. <i>Catalysis Science and Technology</i> , 2021, 11, 5839-5848.	2.1	5
31	Photochemical reaction of silyl-substituted 1,4-disila(dewarbenzene) with isocyanide and phenylacetylene. <i>Heteroatom Chemistry</i> , 2008, 19, 87-92.	0.4	4
32	Syntheses and Structures of Molybdenum-Oxo Complexes Prepared by the Reactions of [MoI <sub>2</sub> (OAc) <sub>4</sub> ] with tert-Butyl- or Bromo-Substituted Catechols. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 74-83.	2.0	3
33	Interactions between the trianionic ligand-centred redox-active metalloligand [CrIII(perfluorocatecholato) <sub>3</sub> ] <sup>3-</sup> and guest metal ions. <i>Dalton Transactions</i> , 2015, 44, 14304-14314.	1.6	3
34	Coordination Behavior of N, N'-Bis(diisopropylphosphinoacetyl)-o-phenylenediamide with Ni <sup>II</sup> and Cu <sup>I</sup> Ions. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3498-3507.	1.0	3
35	Tuning the Mesomorphism and Redox Response of Anionic-Ligand-Based Mixed-Valent Nickel(II) Complexes by Alkyl-Substituted Quaternary Ammonium Cations. <i>Chemistry - A European Journal</i> , 2018, 24, 7398-7409.	1.7	3
36	A Coordination Network with Ligand-Centered Redox Activity Based on facial-[Cr <sup>III</sup> ](2-mercaptophenolato) <sub>3</sub> Metalloligands. <i>Chemistry - A European Journal</i> , 2017, 23, 9919-9925.	1.7	2

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37	Tuning the Electron Acceptability of the [Mo <sub>6</sub> S <sub>8</sub> ] Cluster Core by Decorating It with Methyl Groups on the Face-Bridging $\mu^3$ -Sulfides. European Journal of Inorganic Chemistry, 2018, 2018, 3900-3904.	1.0	2
38	Facile and selective synthesis of zeolites L and W from a single-source heptanuclear aluminosilicate precursor. CrystEngComm, 2020, 22, 5862-5870.	1.3	2
39	Functional Group-Directed Photochemical Reactions of Aromatic Alcohols, Amines, and Thiols Triggered by Excited-State Hydrogen Detachment: Additive-free Oligomerization, Disulfidation, and C(sp <sup>2</sup> )â€“H Carboxylation with CO <sub>2</sub> . Journal of Organic Chemistry, 2021, 86, 959-969.	1.7	2
40	Supported Nickel Zeolite Catalyst for Oxidative Conversion of Methane: Effect of Heteroatoms in the Zeolite Framework on Its Physicochemical and Catalytic Properties. Chemistry Letters, 2022, 51, 46-49.	0.7	2
41	Adaptive Human-Robot Interaction System using Interactive EC. , 2006, , .		1
42	Structural and Spectroscopic Studies on the Interactions of <i>ortho</i> -Phenylenediamine and Li <sup>+</sup> , Na <sup>+</sup> , Mg <sup>2+</sup> , or Ca <sup>2+</sup> Ions. Chemistry Letters, 2017, 46, 232-235.	0.7	1
43	Excited-state hydrogen detachment from a tris( <i>o</i> -phenylenediamine) iron(ii) complex in THF at room temperature. Chemical Communications, 2020, 56, 15414-15417.	2.2	1
44	Tunable Synchronicity of Molecular Valence Tautomerism with Macroscopic Solidâ€“Liquid Transition by Molecular Lattice Engineering. Chemistry - A European Journal, 2021, 27, 16354-16366.	1.7	1
45	Application of molecular mechanics calculations to natural products chemistry.. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 1985, 43, 205-216.	0.0	1
46	Tuning the Electron Acceptability of the [Mo <sub>6</sub> S <sub>8</sub> ] Cluster Core by Decorating It with Methyl Groups on the Face-Bridging $\mu^3$ -Sulfides. European Journal of Inorganic Chemistry, 2018, 2018, 3884-3884.	1.0	0