

# Tatsuki Morimoto

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

2,622  
citations

201674

27  
h-index

223800

46  
g-index

48  
all docs

48  
docs citations

48  
times ranked

2560  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic CO <sub>2</sub> reduction with high turnover frequency and selectivity of formic acid formation using Ru(II) multinuclear complexes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15673-15678.	7.1	289
2	Substantial improvement in the efficiency and durability of a photocatalyst for carbon dioxide reduction using a benzoimidazole derivative as an electron donor. Journal of Catalysis, 2013, 304, 22-28.	6.2	220
3	CO <sub>2</sub> Capture by a Rhenium(I) Complex with the Aid of Triethanolamine. Journal of the American Chemical Society, 2013, 135, 16825-16828.	13.7	208
4	Photocatalytic Reduction of Low Concentration of CO <sub>2</sub> . Journal of the American Chemical Society, 2016, 138, 13818-13821.	13.7	179
5	Photocatalytic CO <sub>2</sub> Reduction to Formic Acid Using a Ru(II)–Re(I) Supramolecular Complex in an Aqueous Solution. Inorganic Chemistry, 2015, 54, 1800-1807.	4.0	144
6	Development of highly efficient supramolecular CO <sub>2</sub> reduction photocatalysts with high turnover frequency and durability. Faraday Discussions, 2012, 155, 115-127.	3.2	133
7	Ring-Shaped Re(I) Multinuclear Complexes with Unique Photofunctional Properties. Journal of the American Chemical Society, 2013, 135, 13266-13269.	13.7	115
8	Red-Light-Driven Photocatalytic Reduction of CO <sub>2</sub> using Os(II)–Re(I) Supramolecular Complexes. Inorganic Chemistry, 2013, 52, 11902-11909.	4.0	103
9	Confusion and Neo-Confusion: Corrole Isomers with an NNNC Core. Angewandte Chemie - International Edition, 2011, 50, 6855-6859.	13.8	101
10	Adlayer Structure of and Electrochemical O <sub>2</sub> Reduction on Cobalt Porphine-Modified and Cobalt Octaethylporphyrin-Modified Au(111) in HClO <sub>4</sub> . Journal of Physical Chemistry B, 2004, 108, 1948-1954.	2.6	86
11	Photochemistry and photocatalysis of rhenium(I) diimine complexes. Advances in Inorganic Chemistry, 2011, , 137-186.	1.0	82
12	Sn(IV) Complexes of N-Confused Porphyrins and Oxoporphyrins—Unique Fluorescence “Switch-On” Halide Receptors. Angewandte Chemie - International Edition, 2006, 45, 6907-6910.	13.8	76
13	N-Confused and N-Fused <i>meso</i> -Aryl Sapphyrins. Angewandte Chemie - International Edition, 2008, 47, 4563-4567.	13.8	76
14	Halide-Anion Binding by Singly and Doubly N-Confused Porphyrins. Chemistry - an Asian Journal, 2006, 1, 832-844.	3.3	62
15	Photochemical Synthesis of <i>mer</i> -[Re(bpy)(CO) <sub>3</sub> Cl]. Inorganic Chemistry, 2007, 46, 9051-9053.	4.0	55
16	Benzene Ring Trimer Interactions Modulate Supramolecular Structures. Angewandte Chemie - International Edition, 2007, 46, 3672-3675.	13.8	51
17	Structures and Ligand Exchange of N-Confused Porphyrin Dimer Complexes with Group 12 Metals. Inorganic Chemistry, 2004, 43, 1618-1624.	4.0	49
18	Systematic Synthesis, Isolation, and Photophysical Properties of Linear-Shaped Re(I) Oligomers and Polymers with 20 Units. Journal of the American Chemical Society, 2008, 130, 14659-14674.	13.7	48

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19	N-Confused Porphine. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 3887-3890.	2.4	45
20	Syntheses, Structures, and Crystal Packing of N-Confused 5,20-Diphenylporphyrin and Ag(III) Complex. <i>Organic Letters</i> , 2003, 5, 1427-1430.	4.6	44
21	Ring-Shaped Rhenium(I) Multinuclear Complexes: Improved Synthesis and Photoinduced Multielectron Accumulation. <i>Inorganic Chemistry</i> , 2014, 53, 7170-7180.	4.0	36
22	Development of an Efficient and Durable Photocatalytic System for Hydride Reduction of an NAD(P) <sup>+</sup> Model Compound Using a Ruthenium(II) Complex Based on Mechanistic Studies. <i>Journal of the American Chemical Society</i> , 2010, 132, 10547-10552.	13.7	35
23	Dual Emission from Rhenium(I) Complexes Induced by an Interligand Aromatic Interaction. <i>Chemistry - A European Journal</i> , 2012, 18, 3292-3304.	3.3	33
24	High catalytic abilities of binuclear rhenium( <i>i</i> ) complexes in the photochemical reduction of CO <sub>2</sub> with a ruthenium( <i>ii</i> ) photosensitiser. <i>Dalton Transactions</i> , 2016, 45, 14668-14677.	3.3	31
25	Synthesis and Isomerization of Imino-Fused N-Confused Porphyrin. <i>Organic Letters</i> , 2007, 9, 1733-1736.	4.6	30
26	Modulation of the Photophysical, Photochemical, and Electrochemical Properties of Re(I) Diimine Complexes by Interligand Interactions. <i>Accounts of Chemical Research</i> , 2017, 50, 2673-2683.	15.6	29
27	Experimental and Theoretical Studies on Oligomer Formation of N-Confused Porphyrin-Zinc(II) Complexes. <i>Chemistry - A European Journal</i> , 2007, 13, 2257-2265.	3.3	25
28	Ion-pairing $\pi$ -electronic systems: ordered arrangement and noncovalent interactions of negatively charged porphyrins. <i>Chemical Science</i> , 2021, 12, 9645-9657.	7.4	23
29	Halide Anion Mediated Dimerization of a <i>meso</i> -Unsubstituted N-Confused Porphyrin. <i>Chemistry - an Asian Journal</i> , 2008, 3, 592-599.	3.3	21
30	Synthesis of novel photofunctional multinuclear complexes using a coupling reaction. <i>Dalton Transactions</i> , 2015, 44, 11626-11635.	3.3	14
31	NH Tautomerism of N-Confused Porphyrin: Solvent/Substituent Effects and Isomerization Mechanism. <i>Journal of Physical Chemistry A</i> , 2020, 124, 5756-5769.	2.5	14
32	Hydride Reduction of NAD(P) <sup>+</sup> Model Compounds with a Ru(II)-Hydrido Complex. <i>Organometallics</i> , 2015, 34, 5530-5539.	2.3	13
33	Selective H <sub>2</sub> and CO production with rhenium(I) biscarbonyl complexes as photocatalyst. <i>Research on Chemical Intermediates</i> , 2013, 39, 437-447.	2.7	11
34	Supramolecular dimeric structures of pyrazole-containing <i>meso</i> -oxo carbaphlorin analogues. <i>Supramolecular Chemistry</i> , 2017, 29, 8-16.	1.2	10
35	Supramolecular Interaction of Keto-substituted Pyrroles. <i>Supramolecular Chemistry</i> , 2007, 19, 493-500.	1.2	9
36	Programmed asymmetrical trimer formation of $\beta^2$ -alkyl N-confused porphyrin zinc(II) complex. <i>Supramolecular Chemistry</i> , 2009, 21, 324-330.	1.2	9

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37	Structural deformation of a ring-shaped Re(I) diimine dinuclear complex in the excited state. <i>Chemical Physics Letters</i> , 2016, 662, 120-126.	2.6	8
38	Doubly <i>N</i> -Methylated Porphyrinoids. <i>Organic Letters</i> , 2016, 18, 3006-3009.	4.6	8
39	Determining Excited-State Structures and Photophysical Properties in Phenylphosphine Rhenium(I) Diimine Biscarbonyl Complexes Using Time-Resolved Infrared and X-ray Absorption Spectroscopies. <i>Inorganic Chemistry</i> , 2021, 60, 7773-7784.	4.0	5
40	Realization of red shift of absorption spectra using optical near-field effect. <i>Nanotechnology</i> , 2019, 30, 34LT02.	2.6	4
41	Cover Picture: Benzene Ring Trimer Interactions Modulate Supramolecular Structures ( <i>Angew. Chem.</i> ) Tj ETQq1 1 0,784314 rgBT /Over 13.8 6	13.8	6
42	Increase in CO <sub>2</sub> reduction rate via optical near-field effect. <i>Journal of Nanophotonics</i> , 2020, 14, .	1.0	0