Tatsuki Morimoto

List of Publications by Year in descending order

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	Ion-pairing Ï€-electronic systems: ordered arrangement and noncovalent interactions of negatively charged porphyrins. Chemical Science, 2021, 12, 9645-9657.	7.4	23
2	Determining Excited-State Structures and Photophysical Properties in Phenylphosphine Rhenium(I) Diimine Biscarbonyl Complexes Using Time-Resolved Infrared and X-ray Absorption Spectroscopies. Inorganic Chemistry, 2021, 60, 7773-7784.	4.0	5
3	NH Tautomerism of N-Confused Porphyrin: Solvent/Substituent Effects and Isomerization Mechanism. Journal of Physical Chemistry A, 2020, 124, 5756-5769.	2.5	14
4	Increase in CO2 reduction rate via optical near-field effect. Journal of Nanophotonics, 2020, 14, .	1.0	0
5	Realization of red shift of absorption spectra using optical near-field effect. Nanotechnology, 2019, 30, 34LT02.	2.6	4
6	Supramolecular dimeric structures of pyrazole-containing meso-oxo carbaphlorin analogues. Supramolecular Chemistry, 2017, 29, 8-16.	1.2	10
7	Modulation of the Photophysical, Photochemical, and Electrochemical Properties of Re(I) Diimine Complexes by Interligand Interactions. Accounts of Chemical Research, 2017, 50, 2673-2683.	15.6	29
8	High catalytic abilities of binuclear rhenium(<scp>i</scp>) complexes in the photochemical reduction of CO₂ with a ruthenium(<scp>ii</scp>) photosensitiser. Dalton Transactions, 2016, 45, 14668-14677.	3.3	31
9	Structural deformation of a ring-shaped Re(I) diimine dinuclear complex in the excited state. Chemical Physics Letters, 2016, 662, 120-126.	2.6	8
10	Photocatalytic Reduction of Low Concentration of CO₂. Journal of the American Chemical Society, 2016, 138, 13818-13821.	13.7	179
11	Doubly N-Methylated Porphyrinoids. Organic Letters, 2016, 18, 3006-3009.	4.6	8
12	Photocatalytic CO₂ Reduction to Formic Acid Using a Ru(II)â€“Re(I) Supramolecular Complex in an Aqueous Solution. Inorganic Chemistry, 2015, 54, 1800-1807.	4.0	144
13	Synthesis of novel photofunctional multinuclear complexes using a coupling reaction. Dalton Transactions, 2015, 44, 11626-11635.	3.3	14
14	Hydride Reduction of NAD(P)⁺ Model Compounds with a Ru(II)â€“Hydrido Complex. Organometallics, 2015, 34, 5530-5539.	2.3	13
15	Ring-Shaped Rhenium(I) Multinuclear Complexes: Improved Synthesis and Photoinduced Multielectron Accumulation. Inorganic Chemistry, 2014, 53, 7170-7180.	4.0	36
16	Ring-Shaped Re(I) Multinuclear Complexes with Unique Photofunctional Properties. Journal of the American Chemical Society, 2013, 135, 13266-13269.	13.7	115
17	Red-Light-Driven Photocatalytic Reduction of CO₂ using Os(II)â€“Re(I) Supramolecular Complexes. Inorganic Chemistry, 2013, 52, 11902-11909.	4.0	103
18	CO₂ Capture by a Rhenium(I) Complex with the Aid of Triethanolamine. Journal of the American Chemical Society, 2013, 135, 16825-16828.	13.7	208

#	Article	IF	Citations
19	Selective H2 and CO production with rhenium(I) biscarbonyl complexes as photocatalyst. Research on Chemical Intermediates, 2013, 39, 437-447.	2.7	11
20	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
21	Photocatalytic CO ₂ 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
22	Development of highly efficient supramolecular CO₂reduction photocatalysts with high turnover frequency and durability. Faraday Discussions, 2012, 155, 115-127.	3.2	133
23	Dual Emission from Rhenium(I) Complexes Induced by an Interligand Aromatic Interaction. Chemistry - A European Journal, 2012, 18, 3292-3304.	3.3	33
24	Photochemistry and photocatalysis of rhenium(I) diimine complexes. Advances in Inorganic Chemistry, 2011, , 137-186.	1.0	82
25	Confusion and Neoâ€Confusion: Corrole Isomers with an NNNC Core. Angewandte Chemie - International Edition, 2011, 50, 6855-6859.	13.8	101
26	Development of an Efficient and Durable Photocatalytic System for Hydride Reduction of an NAD(P)⁺ Model Compound Using a Ruthenium(II) Complex Based on Mechanistic Studies. Journal of the American Chemical Society, 2010, 132, 10547-10552.	13.7	35
27	Programmed asymmetrical trimer formation of Î²-alkyl N-confused porphyrin zinc(II) complex. Supramolecular Chemistry, 2009, 21, 324-330.	1.2	9
28	Nâ€Confused and Nâ€Fused mesoâ€Aryl Sapphyrins. Angewandte Chemie - International Edition, 2008, 47, 4563-4567.	13.8	76
29	Halide Anion Mediated Dimerization of a mesoâ€Unsubstituted Nâ€Confused Porphyrin. Chemistry - an Asian Journal, 2008, 3, 592-599.	3.3	21
30	Systematic Synthesis, Isolation, and Photophysical Properties of Linear-Shaped Re(I) Oligomers and Polymers with 2â^'20 Units. Journal of the American Chemical Society, 2008, 130, 14659-14674.	13.7	48
31	Supramolecular Interaction of Keto-substituted Pyrroles. Supramolecular Chemistry, 2007, 19, 493-500.	1.2	9
32	Synthesis and Isomerization of Imino-Fused N-Confused Porphyrin. Organic Letters, 2007, 9, 1733-1736.	4.6	30
33	Photochemical Synthesis of mer-[Re(bpy)(CO)₃Cl]. Inorganic Chemistry, 2007, 46, 9051-9053.	4.0	55
34	Experimental and Theoretical Studies on Oligomer Formation of N-Confused Porphyrinâ€"Zinc(II) Complexes. Chemistry - A European Journal, 2007, 13, 2257-2265.	3.3	25
35	Benzene Ring Trimer Interactions Modulate Supramolecular Structures. Angewandte Chemie - International Edition, 2007, 46, 3672-3675.	13.8	51
36	Cover Picture: Benzene Ring Trimer Interactions Modulate Supramolecular Structures (Angew. Chem.) Tj ETQq0 0 0 rgBT /Overlock 10 T	13.8	0

#	Article	IF	Citations
37	Halide-Anion Binding by Singly and Doubly N-Confused Porphyrins. Chemistry - an Asian Journal, 2006, 1, 832-844.	3.3	62
38	SnIV Complexes of N-Confused Porphyrins and Oxoporphyrinsâ€"Unique Fluorescence â€œSwitch-Onâ€• Halide Receptors. Angewandte Chemie - International Edition, 2006, 45, 6907-6910.	13.8	76
39	N-Confused Porphine. European Journal of Organic Chemistry, 2005, 2005, 3887-3890.	2.4	45
40	Structures and Ligand Exchange of N-Confused Porphyrin Dimer Complexes with Group 12 Metals. Inorganic Chemistry, 2004, 43, 1618-1624.	4.0	49
41	Adlayer Structure of and Electrochemical O2Reduction on Cobalt Porphine-Modified and Cobalt Octaethylporphyrin-Modified Au(111) in HClO4. Journal of Physical Chemistry B, 2004, 108, 1948-1954.	2.6	86
42	Syntheses, Structures, and Crystal Packing of N-Confused 5,20-Diphenylporphyrin and Ag(III) Complex. Organic Letters, 2003, 5, 1427-1430.	4.6	44