

# Satoshi Muratsugu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4117816/publications.pdf>

Version: 2024-02-01

45  
papers

1,830  
citations

304743

22  
h-index

265206

42  
g-index

49  
all docs

49  
docs citations

49  
times ranked

2609  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chromium Oxides as Structural Modulators of Rhodium Dispersion on Ceria to Generate Active Sites for NO Reduction. <i>ACS Catalysis</i> , 2022, 12, 431-441.	11.2	3
2	Creation of Supported Metal Complex, Metal Nanoparticle, and Metal Oxide Catalysts and Operando Synchrotron Radiation X-ray Analyses. <i>Vacuum and Surface Science</i> , 2022, 65, 230-235.	0.1	0
3	Ultrafine Pt–Ni nanoparticles in hollow porous carbon spheres for remarkable oxygen reduction reaction catalysis. <i>Dalton Transactions</i> , 2021, 50, 6811-6822.	3.3	10
4	Ultrahigh Proton Conduction via Extended Hydrogen-Bonding Network in a Preyssler-Type Polyoxometalate-Based Framework Functionalized with a Lanthanide Ion. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 19138-19147.	8.0	25
5	Mechanistic Understanding of the Heterogeneous, Rhodium-Cyclic (Alkyl)(Amino)Carbene-Catalyzed (Fluoro-)Arene Hydrogenation. <i>ACS Catalysis</i> , 2020, 10, 6309-6317.	11.2	44
6	Copper Complexes Bearing a Dianionic Diborane(4) Ligand: Synthesis and Evaluation of the Donor Property. <i>Organometallics</i> , 2020, 39, 500-504.	2.3	10
7	Recent progress in molecularly imprinted approach for catalysis. <i>Tetrahedron Letters</i> , 2020, 61, 151603.	1.4	60
8	Oxygen Reduction Reaction Performance Tuning on Pt Nanoparticle/MWCNT Catalysts by Gd Species. <i>Journal of Physical Chemistry C</i> , 2020, 124, 26925-26936.	3.1	12
9	Synthesis of A Pincer–Cr <sup>V</sup> Complex with A Base-Free Alumanyl Ligand and Its Application toward the Dehydrogenation of Alkanes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15031-15035.	13.8	50
10	Synthesis of A Pincer–Cr <sup>V</sup> Complex with A Base-Free Alumanyl Ligand and Its Application toward the Dehydrogenation of Alkanes. <i>Angewandte Chemie</i> , 2019, 131, 15173-15177.	2.0	10
11	Reversible low-temperature redox activity and selective oxidation catalysis derived from the concerted activation of multiple metal species on Cr and Rh-incorporated ceria catalysts. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 20868-20877.	2.8	7
12	Enhanced oxygen reduction reaction performance of size-controlled Pt nanoparticles on polypyrrole-functionalized carbon nanotubes. <i>Dalton Transactions</i> , 2019, 48, 7130-7137.	3.3	16
13	Chemoselective epoxidation of cholesterol derivatives on a surface-designed molecularly imprinted Ru–porphyrin catalyst. <i>Chemical Communications</i> , 2018, 54, 5114-5117.	4.1	17
14	Tuning the structure and catalytic activity of Ru nanoparticle catalysts by single 3d transition-metal atoms in Ru <sub>12</sub> –metalloporphyrin precursors. <i>Chemical Communications</i> , 2018, 54, 4842-4845.	4.1	5
15	N–Heterocyclic Carbene-Modified Au–Pd Alloy Nanoparticles and Their Application as Biomimetic and Heterogeneous Catalysts. <i>Chemistry - A European Journal</i> , 2018, 24, 18682-18688.	3.3	36
16	Heterogeneously Catalyzed Aerobic Oxidation of Sulfides with a BaRuO <sub>3</sub> Nanoperovskite. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 23792-23801.	8.0	50
17	Preparation and catalytic performance of a molecularly imprinted Pd complex catalyst for Suzuki cross-coupling reactions. <i>Dalton Transactions</i> , 2017, 46, 3125-3134.	3.3	27
18	Amino Acid-Aided Synthesis of a Hexagonal SrMnO <sub>3</sub> Nanoperovskite Catalyst for Aerobic Oxidation. <i>ACS Omega</i> , 2017, 2, 1608-1616.	3.5	44

#	ARTICLE	IF	CITATIONS
19	Molecular Adsorbates Switch on Heterogeneous Catalysis: Induction of Reactivity by N-Heterocyclic Carbenes. <i>Journal of the American Chemical Society</i> , 2017, 139, 9144-9147.	13.7	133
20	Size Regulation and Stability Enhancement of Pt Nanoparticle Catalyst via Polypyrrole Functionalization of Carbon-Nanotube-Supported Pt Tetranuclear Complex. <i>Langmuir</i> , 2017, 33, 10271-10282.	3.5	10
21	Designed Surfaces for Active Catalysts. , 2017, , 317-333.		0
22	Tunable Heterogeneous Catalysis: N-Heterocyclic Carbenes as Ligands for Supported Heterogeneous Ru/K-Al <sub>2</sub> O <sub>3</sub> Catalysts To Tune Reactivity and Selectivity. <i>Journal of the American Chemical Society</i> , 2016, 138, 10718-10721.	13.7	131
23	Formation and nitrile hydrogenation performance of Ru nanoparticles on a K-doped Al <sub>2</sub> O <sub>3</sub> surface. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24791-24802.	2.8	24
24	A Solid Chelating Ligand: Periodic Mesoporous Organosilica Containing 2,2'-Bipyridine within the Pore Walls. <i>Journal of the American Chemical Society</i> , 2014, 136, 4003-4011.	13.7	166
25	Ï€-Conjugation modification of photochromic and redox-active dimethyldihydropyrene by phenyl- and ethynyl-terpyridines and Ru(bis-terpyridine) complexes. <i>New Journal of Chemistry</i> , 2014, 38, 6114-6124.	2.8	11
26	Dispersed RhMo Nanoclusters Prepared from Oxide-supported Rh <sub>2</sub> Mo Heterometallic Complexes as Catalysts for Alcohol Oxidation. <i>Chemistry Letters</i> , 2014, 43, 1321-1323.	1.3	2
27	Rate enhancement of hexose sugar oxidation on an ethynylpyridine-functionalized Pt/Al <sub>2</sub> O <sub>3</sub> catalyst with induced chirality. <i>Chemical Communications</i> , 2013, 49, 7283.	4.1	12
28	Ceria-Doped Ni/SBA-16 Catalysts for Dry Reforming of Methane. <i>ACS Catalysis</i> , 2013, 3, 1855-1864.	11.2	300
29	Surface Functionalization of Supported Mn Clusters to Produce Robust Mn Catalysts for Selective Epoxidation. <i>ACS Catalysis</i> , 2013, 3, 2020-2030.	11.2	12
30	Dispersed Ru nanoclusters transformed from a grafted trinuclear Ru complex on SiO <sub>2</sub> for selective alcohol oxidation. <i>Dalton Transactions</i> , 2013, 42, 12611.	3.3	15
31	Molecularly Imprinted Ru Complex Catalysts Integrated on Oxide Surfaces. <i>Accounts of Chemical Research</i> , 2013, 46, 300-311.	15.6	64
32	Efficient Electronic Communication in 4,9-Bis(ferrocenylethynyl)dimethyldihydropyrene. <i>Chemistry Letters</i> , 2013, 42, 361-362.	1.3	7
33	Comparative Study of Photochromic Ferrocene-Ï€Conjugated Dimethyldihydropyrene Derivatives. <i>Chemistry - A European Journal</i> , 2013, 19, 17314-17327.	3.3	34
34	Surface-assisted transfer hydrogenation catalysis on a Î³-Al <sub>2</sub> O <sub>3</sub> -supported Ir dimer. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 16023.	2.8	19
35	Sulfoxidation on a SiO <sub>2</sub> -supported Ru complex using O <sub>2</sub> /aldehyde system. <i>Dalton Transactions</i> , 2012, 41, 4558.	3.3	8
36	Perovskite NaCeTi <sub>2</sub> O <sub>6</sub> -Supported Ni Catalysts for CH <sub>4</sub> Steam Reforming. <i>ChemCatChem</i> , 2012, 4, 1783-1790.	3.7	16

#	ARTICLE	IF	CITATIONS
37	Preparation and Catalytic Performances of a Molecularly Imprinted Ru-Complex Catalyst with an NH <sub>2</sub> Binding Site on a SiO <sub>2</sub> Surface. Chemistry - A European Journal, 2012, 18, 1142-1153.	3.3	30
38	Normal and inverted redox potentials and structural changes tuned by medium effects in [M <sub>2</sub> Mo(1-5-C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> (S <sub>2</sub> C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> (CO) <sub>2</sub> ] (M: Co, Rh). Chemical Science, 2011, 2, 1960.	7.4	18
39	Preparation of surface molecularly imprinted Ru-complex catalysts for asymmetric transfer hydrogenation in water media. Dalton Transactions, 2011, 40, 2338-2347.	3.3	42
40	Surface Junction Effects on the Electron Conduction of Molecular Wires. Journal of the American Chemical Society, 2010, 132, 4524-4525.	13.7	93
41	Alternative Selective Oxidation Pathways for Aldehyde Oxidation and Alkene Epoxidation on a SiO <sub>2</sub> -Supported Ru-Monomer Complex Catalyst. Journal of the American Chemical Society, 2010, 132, 713-724.	13.7	62
42	A Cyclic Hexanuclear Heterometaladithiolene Cluster [Cp* <sub>2</sub> Mo(1-4-CO) <sub>2</sub> (Rh)] <sub>2</sub> (S <sub>2</sub> C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> S <sub>2</sub> with Two 1-4-C Conjugated S <sub>2</sub> C <sub>6</sub> S <sub>2</sub> Bridges: Synthesis, Crystal Structure, and Properties. Angewandte Chemie - International Edition, 2009, 48, 3858-3861.	13.8	25
43	Superior Electron Transport Ability of 1-4-C Conjugated Redox Molecular Wires Prepared by the Stepwise Coordination Method on a Surface. Chemistry - an Asian Journal, 2009, 4, 1361-1367.	3.3	58
44	Two-Electron Reduction of a Rh <sup>III</sup> Mo <sup>IV</sup> Rh Dithiolato Complex To Form a Triplet Ground State Associated with a Change in CO Coordination Mode. Journal of the American Chemical Society, 2009, 131, 1388-1389.	13.7	30
45	Redox-Assisted Ring Closing Reaction of the Photogenerated Cyclophanedienene Form of Bis(ferrocenyl)dimethyldihydropyrene with Interferrocene Electronic Communication Switching. Journal of the American Chemical Society, 2008, 130, 7204-7205.	13.7	77