

# Satoshi Kamiguchi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1997989/publications.pdf>

Version: 2024-02-01

43  
papers

649  
citations

567281

15  
h-index

677142

22  
g-index

45  
all docs

45  
docs citations

45  
times ranked

466  
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic isomerization of 1-hexene to 2-hexene by halide clusters of Nb, Mo, Ta and W possessing an octahedral metal core. <i>Journal of Molecular Catalysis A</i> , 2003, 195, 159-171.	4.8	36
2	Catalytic dehydrogenation of aliphatic amines to nitriles, imines, or vinylamines and dealkylation of tertiary aliphatic amines over halide cluster catalysts of group 5 and 6 transition metals. <i>Journal of Catalysis</i> , 2005, 230, 204-213.	6.2	36
3	Title is missing!. <i>Catalysis Letters</i> , 2003, 85, 97-100.	2.6	31
4	Catalytic dehydrohalogenation of alkyl halides by Nb, Mo, Ta, and W halide clusters with an octahedral metal framework and by a Re chloride cluster with a triangular metal framework. <i>Journal of Molecular Catalysis A</i> , 2003, 203, 153-163.	4.8	28
5	Thermal Activation of Molecular Tungsten Halide Clusters with the Retention of an Octahedral Metal Framework and the Catalytic Dehydration of Alcohols to Olefins as a Solid Acid Catalyst. <i>Journal of Cluster Science</i> , 2007, 18, 414-430.	3.3	28
6	Catalytic ring-attachment isomerization and dealkylation of diethylbenzenes over halide clusters of group 5 and group 6 transition metals. <i>Journal of Catalysis</i> , 2004, 223, 54-63.	6.2	27
7	Syntheses, Structures, FAB Mass Spectra, and Magnetic Properties of Chromium Chalcogenide Cluster Complexes [Cr <sub>6</sub> Se <sub>8</sub> (PEt <sub>3</sub> ) <sub>6</sub> ], [Cr <sub>6</sub> Se <sub>8</sub> (H)(PEt <sub>3</sub> ) <sub>6</sub> ], and [Cr <sub>6</sub> S <sub>8</sub> (H)(PEt <sub>3</sub> ) <sub>6</sub> ]. <i>Inorganic Chemistry</i> , 1998, 37, 6852-6857.	4.0	24
8	Vapor-phase synthesis of 1,2-dihydro-2,2,4-trimethylquinolines from anilines and acetone over group 5-7 metal halide clusters as catalysts. <i>Applied Catalysis A: General</i> , 2006, 309, 70-75.	4.3	23
9	Characterization of Catalytically Active Octahedral Metal Halide Cluster Complexes. <i>Metals</i> , 2014, 4, 84-107.	2.3	22
10	Catalytic Dehydrogenation of Ethylbenzene in Helium and Reductive Dealkylation in Hydrogen on Nb, Mo, Ta, W, and Re Halide Clusters. <i>Journal of Cluster Science</i> , 2004, 15, 19-31.	3.3	21
11	Formation of Brønsted acid site on halide clusters of group 5 and 6 transition metals. <i>Journal of Molecular Catalysis A</i> , 2005, 226, 1-9.	4.8	21
12	Catalytic Hydrodehydration of Cyclohexanone, Hydrogenation of 2-Cyclohexen-1-one, and Dehydrogenation of Cyclohexene over a Mo Chloride Cluster with an Octahedral Metal Framework. <i>Journal of Cluster Science</i> , 2005, 16, 77-91.	3.3	21
13	Retention of the octahedral metal framework of Nb and Mo halide clusters in catalytic decomposition of phenyl acetate to phenol and ketene. <i>Journal of Molecular Catalysis A</i> , 2006, 253, 176-186.	4.8	21
14	Catalytic Reactions over Halide Cluster Complexes of Group 5-7 Metals. <i>Metals</i> , 2014, 4, 235-313.	2.3	20
15	Catalytic N-Alkylation of Amines with Primary Alcohols over Halide Clusters. <i>Journal of Cluster Science</i> , 2007, 18, 935-945.	3.3	16
16	Catalytic Condensation of Primary Amines, Dehydrogenation of Secondary Amines, and Dealkylation of Tertiary Amines over Solid-State Rhenium Sulfide Clusters with an Octahedral Metal Framework. <i>Journal of Cluster Science</i> , 2009, 20, 683-693.	3.3	16
17	Synthesis, Structure, and Electrochemistry of a Dodecanuclear Chromium Cluster Complex [Cr <sub>12</sub> S <sub>16</sub> (PEt <sub>3</sub> ) <sub>10</sub> ]. <i>Chemistry Letters</i> , 1996, 25, 555-556.	1.3	15
18	Aldol condensation of acyclic ketones with benzaldehyde and subsequent cyclodehydration to form indenenes over halide cluster catalysts. <i>Journal of Molecular Catalysis A</i> , 2006, 255, 117-122.	4.8	15

#	ARTICLE	IF	CITATIONS
19	Vapor-phase Beckmann rearrangement of cyclohexanone oxime over halide cluster catalysts. <i>Catalysis Today</i> , 2011, 164, 135-138.	4.4	15
20	Application of Solid-State Molybdenum Sulfide Clusters with an Octahedral Metal Framework to Catalysis: Ring-Opening of Tetrahydrofuran to Butyraldehyde. <i>Journal of Cluster Science</i> , 2013, 24, 559-574.	3.3	15
21	Synthesis of Common-sized Heterocyclic Compounds by Intramolecular Cyclization over Halide Cluster Catalysts. <i>Chemistry Letters</i> , 2015, 44, 764-766.	1.3	15
22	Variable catalytic behavior of Nb, Mo, Ta, W, and Re halide clusters: Isomerization of alkynes to conjugated dienes under nitrogen and hydrogenation to alkenes under hydrogen. <i>Journal of Molecular Catalysis A</i> , 2006, 260, 43-48.	4.8	14
23	Catalytic Hydrogenation and Dehydrogenation over Solid-state Rhenium Sulfide Clusters with an Octahedral Metal Framework. <i>Chemistry Letters</i> , 2007, 36, 1340-1341.	1.3	14
24	Catalytic Hydration of Alkynes over Brønsted Acid Sites Developed on Halide Clusters. <i>Journal of Cluster Science</i> , 2007, 18, 845-853.	3.3	13
25	Catalytic Activity of Molecular Rhenium Sulfide Clusters $[\text{Re}_6\text{S}_8(\text{OH})_6(\text{H}_2\text{O})_n]^{(4-n)+}$ ( $n = 0, 2, 4, 6$ ) with Retention of the Octahedral Metal Frameworks: Dehydrogenation and Dehydration of 1,4-Butanediol. <i>Journal of Cluster Science</i> , 2014, 25, 1203-1224.	3.3	12
26	Direct synthesis of 3-methylbenzofuran from phenol and acetone over halide cluster catalysts taking advantage of acidic and metallic properties. <i>Chemical Engineering Journal</i> , 2010, 161, 384-387.	12.7	11
27	Solid-state molybdenum sulfide clusters with an octahedral metal framework as hydrogenation, dehydrogenation, and hydrogenolysis catalysts similar to the platinum group metals. <i>Applied Catalysis A: General</i> , 2015, 505, 417-421.	4.3	11
28	Synthesis and characterization of high-nuclearity iridium–ruthenium and –gold mixed-metal carbonyl clusters, $[\text{Ir}_7\text{Ru}_3(\text{CO})_{23}]^+$ , $[\text{Ir}_7\text{Ru}_3(\text{CO})_{23}(\text{AuPPh}_3)]^+$ and $[\text{Ir}_6\text{Ru}_3(\text{CO})_{21}(\text{AuPPh}_3)]^+$ , possessing tetrahedrally capped octahedral iridium cores obtained by capping reactions with $[\text{Ru}_3(\text{CO})_{12}]$ and $[\text{AuCl}(\text{PPh}_3)]$ . <i>Dalton Transactions RSC</i> , 2000, , 2295-2299.	2.3	10
29	Catalytic Decomposition of Phenyl Acetate by Halide Clusters of Nb, Mo, Ta, and W Possessing Octahedral Metal Core. <i>Chemistry Letters</i> , 2002, 31, 70-71.	1.3	10
30	Gas-phase S-alkylation of benzenethiol with aliphatic alcohols, ethers, esters, alkyl halides and olefins over halide cluster catalysts of Groups 5 and 6 transition metals. <i>Applied Catalysis A: General</i> , 2013, 450, 50-56.	4.3	10
31	Gas-Phase Alkylation of Pyridine and Phenol with Alcohols Over Halide Clusters of Group 5–7 Transition Metals as Solid Acid Catalysts. <i>Journal of Cluster Science</i> , 2011, 22, 647-660.	3.3	9
32	Catalytic dehydrogenation of alcohol over solid-state molybdenum sulfide clusters with an octahedral metal framework. <i>Materials Research Bulletin</i> , 2015, 72, 188-190.	5.2	9
33	Synthesis, structure, ESI mass spectrum and magnetic property of a monocationic cluster complex of chromium-sulfide with a hydrido ligand $[\text{Cr}_6\text{S}_8(\text{H})(\text{PEt}_3)_6](\text{BF}_4)$ . <i>Journal of Organometallic Chemistry</i> , 2000, 609, 184-188.	1.8	8
34	Intramolecular Condensation of 1,2-C <sub>6</sub> H <sub>4</sub> (CH <sub>2</sub> RH) <sub>2</sub> (R = O, S, and NH) to Yield Heterocyclic Compounds over Halide-cluster Catalysts. <i>Chemistry Letters</i> , 2011, 40, 78-80.	1.3	8
35	Title is missing!. <i>Journal of Cluster Science</i> , 2000, 11, 483-492.	3.3	7
36	Catalytic Cracking of Methyl tert-Butyl Ether to Isobutene over Brønsted and Lewis Acid Sites on Solid-state Molybdenum Sulfide Clusters with an Octahedral Metal Framework. <i>Journal of Cluster Science</i> , 2015, 26, 653-660.	3.3	7

#	ARTICLE	IF	CITATIONS
37	Magnetic Properties of the Octahedral Chromium Chalcogenide Cluster Complexes [Cr <sub>6</sub> Se <sub>8</sub> (PEt <sub>3</sub> ) <sub>6</sub> ], [Cr <sub>6</sub> Se <sub>8</sub> (H)(PEt <sub>3</sub> ) <sub>6</sub> ], and [Cr <sub>6</sub> S <sub>8</sub> (H)(PEt <sub>3</sub> ) <sub>6</sub> ]. Bulletin of the Chemical Society of Japan, 2000, 73, 2487-2491.	3.2	6
38	Catalytic ring-opening addition of thiols to epoxides in the gas-phase over molecular rhenium sulfide cluster complexes [Re <sub>6</sub> S <sub>8</sub> X <sub>6</sub> ] (X=Cl, OH, H <sub>2</sub> O) with retention of their octahedral metal frameworks. Applied Catalysis A: General, 2015, 497, 167-175.	4.3	5
39	Synthesis, structure, FAB mass spectrum, and magnetic property of a dodecanuclear cluster complex of chromium with hydrido ligands [Cr <sub>12</sub> S <sub>16</sub> (H) <sub>2</sub> (PEt <sub>3</sub> ) <sub>10</sub> ]. Solid State Sciences, 1999, 1, 497-508.	3.2	4
40	S-Acylation of aliphatic and aromatic thiols with carboxylic acids and their esters over solid acid catalysts in the gas phase at temperatures above 200Å°C. Applied Catalysis A: General, 2013, 464-465, 332-338.	4.3	4
41	Synthesis of Chromenes by Cyclizative Condensation of Phenols with Î±,Î²-Unsaturated Carbonyl Compounds over Halide Cluster Catalysts. Chemistry Letters, 2016, 45, 1321-1323.	1.3	4
42	Application of solid-state early-transition metal clusters as catalysts. Tetrahedron Letters, 2018, 59, 1337-1342.	1.4	4
43	Thermal Activation of Solid-State Molybdenum Halide Clusters with an Octahedral Cluster Framework and Their Application to Catalytic Synthesis of 3-Methylpyridine from Piperidine and Methanol. Bulletin of the Chemical Society of Japan, 2015, 88, 1116-1122.	3.2	3