

Satoshi Kamiguchi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Application of solid-state early-transition metal clusters as catalysts. <i>Tetrahedron Letters</i> , 2018, 59, 1337-1342.	1.4	4
2	Synthesis of Chromenes by Cyclizative Condensation of Phenols with $\hat{1},\hat{2}$ -Unsaturated Carbonyl Compounds over Halide Cluster Catalysts. <i>Chemistry Letters</i> , 2016, 45, 1321-1323.	1.3	4
3	Synthesis of Common-sized Heterocyclic Compounds by Intramolecular Cyclization over Halide Cluster Catalysts. <i>Chemistry Letters</i> , 2015, 44, 764-766.	1.3	15
4	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. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 1116-1122.	3.2	3
5	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
6	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
7	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
8	Catalytic ring-opening addition of thiols to epoxides in the gas-phase over molecular rhenium sulfide cluster complexes $[\text{Re}_6\text{S}_8\text{X}_6]$ (X=Cl, OH, H ₂ O) with retention of their octahedral metal frameworks. <i>Applied Catalysis A: General</i> , 2015, 497, 167-175.	4.3	5
9	Catalytic Reactions over Halide Cluster Complexes of Group 5–7 Metals. <i>Metals</i> , 2014, 4, 235-313.	2.3	20
10	Characterization of Catalytically Active Octahedral Metal Halide Cluster Complexes. <i>Metals</i> , 2014, 4, 84-107.	2.3	22
11	Catalytic Activity of Molecular Rhenium Sulfide Clusters $[\text{Re}_6\text{S}_8(\text{OH})_6\hat{n}(\text{H}_2\text{O})_n]$ ($4\hat{n}$) ($n=0, 2, 4, 6$) 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
12	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
13	S-Acylation of aliphatic and aromatic thiols with carboxylic acids and their esters over solid acid catalysts in the gas phase at temperatures above 200°C. <i>Applied Catalysis A: General</i> , 2013, 464-465, 332-338.	4.3	4
14	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
15	Intramolecular Condensation of 1,2-C ₆ H ₄ (CH ₂ RH) ₂ (R = O, S, and NH) to Yield Heterocyclic Compounds over Halide-cluster Catalysts. <i>Chemistry Letters</i> , 2011, 40, 78-80.	1.3	8
16	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
17	Vapor-phase Beckmann rearrangement of cyclohexanone oxime over halide cluster catalysts. <i>Catalysis Today</i> , 2011, 164, 135-138.	4.4	15
18	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

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19	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
20	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
21	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
22	Catalytic N-Alkylation of Amines with Primary Alcohols over Halide Clusters. <i>Journal of Cluster Science</i> , 2007, 18, 935-945.	3.3	16
23	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
24	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
25	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
26	Aldol condensation of acyclic ketones with benzaldehyde and subsequent cyclodehydration to form indenones over halide cluster catalysts. <i>Journal of Molecular Catalysis A</i> , 2006, 255, 117-122.	4.8	15
27	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
28	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
29	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
30	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
31	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
32	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
33	Title is missing!. <i>Catalysis Letters</i> , 2003, 85, 97-100.	2.6	31
34	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
35	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
36	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

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37	Magnetic Properties of the Octahedral Chromium Chalcogenide Cluster Complexes [Cr ₆ Se ₈ (PEt ₃) ₆], [Cr ₆ Se ₈ (H)(PEt ₃) ₆], and [Cr ₆ S ₈ (H)(PEt ₃) ₆]. Bulletin of the Chemical Society of Japan, 2000, 73, 2487-2491.	3.2	6
38	Synthesis, structure, ESI mass spectrum and magnetic property of a monocationic cluster complex of chromium-sulfide with a hydrido ligand [Cr ₆ S ₈ (H)(PEt ₃) ₆](BF ₄). Journal of Organometallic Chemistry, 2000, 609, 184-188.	1.8	8
39	Title is missing!. Journal of Cluster Science, 2000, 11, 483-492.	3.3	7
40	Synthesis and characterization of high-nuclearity iridium-ruthenium and -gold mixed-metal carbonyl clusters, [Ir ₇ Ru ₃ (CO) ₂₃] ⁻ , [Ir ₇ Ru ₃ (CO) ₂₃ (AuPPh ₃)] ⁻ and [Ir ₆ Ru ₃ (CO) ₂₁ (AuPPh ₃)] ⁻ , possessing tetrahedrally capped octahedral iridium cores obtained by capping reactions with [Ru ₃ (CO) ₁₂] and [AuCl(PPh ₃)]. Dalton Transactions RSC, 2000, , 2295-2299.	2.3	10
41	Synthesis, structure, FAB mass spectrum, and magnetic property of a dodecanuclear cluster complex of chromium with hydrido ligands [Cr ₁₂ S ₁₆ (H) ₂ (PEt ₃) ₁₀]. Solid State Sciences, 1999, 1, 497-508.	3.2	4
42	Syntheses, Structures, FAB Mass Spectra, and Magnetic Properties of Chromium Chalcogenide Cluster Complexes [Cr ₆ Se ₈ (PEt ₃) ₆], [Cr ₆ Se ₈ (H)(PEt ₃) ₆], and [Cr ₆ S ₈ (H)(PEt ₃) ₆]. Inorganic Chemistry, 1998, 37, 6852-6857.	4.0	24
43	Synthesis, Structure, and Electrochemistry of a Dodecanuclear Chromium Cluster Complex [Cr ₁₂ S ₁₆ (PEt ₃) ₁₀]. Chemistry Letters, 1996, 25, 555-556.	1.3	15