

Hidehiro Sakurai

List of Publications by Year in descending order

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papers

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citations

81900

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229
all docs

229
docs citations

229
times ranked

6373
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the sumanene receptor structure towards the development of potentiometric sensors. Dalton Transactions, 2022, 51, 468-472.	3.3	8
2	Dielectric response of 1,1-difluorosumanene caused by an in-plane motion. Materials Chemistry Frontiers, 2022, 6, 1752-1758.	5.9	10
3	Synthesis of the C ₇₀ Fragment Buckybowl, Homosumanene, and Heterahomosumanenes via Ring-Expansion Reactions from Sumanenone. Journal of Organic Chemistry, 2022, 87, 2508-2519.	3.2	10
4	Room-Temperature Reversible Chemisorption of Carbon Monoxide on Nickel(0) Complexes. Journal of the American Chemical Society, 2022, 144, 8818-8826.	13.7	7
5	(Invited) Sumanenyl Cations As Redox-Active Buckybowls. ECS Meeting Abstracts, 2022, MA2022-01, 791-791.	0.0	0
6	Disaggregation of a sumanene-containing fluorescent probe towards highly sensitive and specific detection of caesium cations. Chemical Communications, 2021, 57, 343-346.	4.1	20
7	Theoretical study on the molecular stacking interactions and charge transport properties of triazasumanene crystals – from explanation to prediction. Physical Chemistry Chemical Physics, 2021, 23, 4681-4689.	2.8	11
8	Volcano-type correlation between particle size and catalytic activity on hydrodechlorination catalyzed by AuPd nanoalloy. Nanoscale Advances, 2021, 3, 1496-1501.	4.6	3
9	The Dawn of Sumanene Chemistry: My Personal History with ĩ-Figuration. Bulletin of the Chemical Society of Japan, 2021, 94, 1579-1587.	3.2	14
10	Synthesis and Pyrolysis of Fullerenol-ĳstabilized Pt Nanocolloids as a unique Approach to Pt-ĳdoped Carbon. Chemistry - an Asian Journal, 2021, 16, 2280-2285.	3.3	4
11	Pyridine Ring Modification of Indane-1,3-ĳdione Dimers for Control of their Crystal Structure. Asian Journal of Organic Chemistry, 2021, 10, 2690-2696.	2.7	2
12	Lewis acid-mediated Suzuki-Miyaura cross-coupling reaction. Nature Catalysis, 2021, 4, 1080-1088.	34.4	19
13	Selective Oxidative Hydroxylation of Arylboronic Acids by Colloidal Nanogold Catalyzed In Situ Generation of H ₂ O ₂ from Alcohols under Aerobic Conditions. Bulletin of the Chemical Society of Japan, 2020, 93, 299-301.	3.2	4
14	Theoretical Study on Singlet Fission Dynamics in Sumanene-Fused Acene Dimers. Journal of Physical Chemistry C, 2020, 124, 19499-19507.	3.1	5
15	Application of cup-shaped triactams for selective extraction of volatile compounds by gas chromatography-mass spectrometry. Analyst, The, 2020, 145, 6668-6676.	3.5	2
16	Size-Controlled Preparation of Gold Nanoparticles Deposited on Surface-Fibrillated Cellulose Obtained by Citric Acid Modification. ACS Omega, 2020, 5, 33206-33213.	3.5	9
17	Anisotropic Contraction of a Polyaromatic Capsule and Its Cavity-Induced Compression Effect. Journal of the American Chemical Society, 2020, 142, 9599-9603.	13.7	28
18	Synthesis of C ₇₀ -fragment buckybawls bearing alkoxy substituents. Beilstein Journal of Organic Chemistry, 2020, 16, 681-690.	2.2	3

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19	Pt-Pd Nanoalloy for the Unprecedented Activation of Carbon-Fluorine Bond at Low Temperature. Bulletin of the Chemical Society of Japan, 2020, 93, 1180-1185.	3.2	5
20	Tris(ferrocenylmethidene)sumanene: synthesis, photophysical properties and applications for efficient caesium cation recognition in water. Dalton Transactions, 2020, 49, 9965-9971.	3.3	20
21	Dual roles of cellulose monolith in the continuous-flow generation and support of gold nanoparticles for green catalyst. Carbohydrate Polymers, 2020, 247, 116723.	10.2	14
22	Control by one drop of solvent: selective preparation of guest release/trap-triggered interconvertible molecular crystals. Chemical Communications, 2020, 56, 9687-9690.	4.1	8
23	Time-Dependent Density Functional Theory Investigation of Excited State Intramolecular Proton Transfer in Tris(2-hydroxyphenyl)triazasumanene. Journal of Physical Chemistry A, 2020, 124, 1227-1234.	2.5	13
24	Excimer Formation of Aryl Iodides Chemisorbed on Gold Nanoparticles for the Significant Enhancement of Photoluminescence. Journal of Physical Chemistry Letters, 2020, 11, 1199-1203.	4.6	8
25	Gold Nanoparticles Stabilized by Molecular Fullerenols. ChemNanoMat, 2020, 6, 524-528.	2.8	6
26	Synthesis and Dimerization Properties of Cupâ€and Bowlâ€shaped Cyclic Trilactams. Asian Journal of Organic Chemistry, 2020, 9, 947-952.	2.7	2
27	Molecular Packing and Solidâ€State Photophysical Properties of 1,3,6,8â€Tetraalkylpyrenes. Chemistry - A European Journal, 2019, 25, 14817-14825.	3.3	17
28	Formation of a Large Confined Spherical Space with a Small Aperture Using Flexible Hexasubstituted Sumanene. Journal of the American Chemical Society, 2019, 141, 18099-18103.	13.7	24
29	Infrared spectrum of hydrogenated corannulene <i>rim</i> -HC ₂₀ H ₁₀ isolated in solid <i>para</i> -hydrogen. Journal of Chemical Physics, 2019, 151, 044304.	3.0	13
30	Dielectric and Sorption Responses of Hydrogen-Bonding Network of Amorphous C ₆₀ (OH) ₁₂ and C ₆₀ (OH) ₃₆ . Journal of Physical Chemistry C, 2019, 123, 23545-23553.	3.1	9
31	Sumanene Hexaester: An Electron-Deficient Buckybowl. Synthesis, 2019, 51, 4576-4581.	2.3	4
32	Generation of â€Sumanenylideneâ€ A Groundâ€State Triplet Carbene on a Curved â€Conjugated Periphery. Chemistry - an Asian Journal, 2019, 14, 1844-1848.	3.3	7
33	Liquid Phase Pulsed Laser Ablation on Pyrite. Chemistry Letters, 2019, 48, 712-714.	1.3	3
34	Infrared spectra of protonated and hydrogenated corannulene (C ₂₀ H ₁₀) and sumanene (C ₂₁ H ₁₂) using matrix isolation in solid <i>para</i> -hydrogen â€ implications for the UIR bands. Proceedings of the International Astronomical Union, 2019, 15, 358-360.	0.0	0
35	Site-selective cationâ€ interaction as a way of selective recognition of the caesium cation using sumanene-functionalized ferrocenes. Dalton Transactions, 2019, 48, 17147-17152.	3.3	22
36	Electronic and vibrational structure in the S ₀ and S ₁ states of corannulene. Journal of Chemical Physics, 2019, 151, 234305.	3.0	4

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37	Thermoelectric and Thermal Transport Properties in Sumanene Crystals. <i>Chemistry Letters</i> , 2018, 47, 524-527.	1.3	10
38	Internal-peripheral Diosmylation of Sumanene Overcoming the Dearomatization Hurdle by the Distortion of the Curved π -System. <i>Chemistry Letters</i> , 2018, 47, 736-739.	1.3	6
39	Molecular Arrangements of Corannulene and Sumanene in Single-Walled Carbon Nanotubes. <i>ChemNanoMat</i> , 2018, 4, 557-561.	2.8	8
40	Figuration of bowl-shaped π -conjugated molecules: properties and functions. <i>Materials Chemistry Frontiers</i> , 2018, 2, 635-661.	5.9	195
41	Triazasumanene: An Isoelectronic Heteroanalogue of Sumanene. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 531-537.	3.2	37
42	Tris(2-hydroxyphenyl)triazasumanene: bowl-shaped excited-state intramolecular proton transfer (ESIPT) fluorophore coupled with aggregation-induced enhanced emission (AIEE). <i>Materials Chemistry Frontiers</i> , 2018, 2, 514-519.	5.9	25
43	Universality of the giant Seebeck effect in organic small molecules. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1276-1283.	5.9	31
44	Sequential double C-H functionalization of 2,5-norbornadiene in flow. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 635-639.	3.7	12
45	Nucleophilic Substitution at the Internal Carbon of Sumanene Framework with Inversion of Configuration. <i>Chemistry Letters</i> , 2018, 47, 878-880.	1.3	4
46	Fe, Ru, and Os complexes with the same molecular framework: comparison of structures, properties and catalytic activities. <i>Faraday Discussions</i> , 2017, 198, 181-196.	3.2	5
47	Electronic and vibrational structures in the S_0 and S_1 states of coronene. <i>Journal of Chemical Physics</i> , 2017, 146, 044309.	3.0	7
48	A Sumanene-based Aryne, α -Sumanyne. <i>Chemistry Letters</i> , 2017, 46, 446-448.	1.3	7
49	Size-Controlled Preparation of Gold Nanoclusters on Hydroxyapatite Through Trans-Deposition Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4649-4657.	0.9	8
50	Two-way correspondence between carbon nanotubes and caps: Development of a numerical algorithm and a tool for organic cap synthesis. <i>Carbon</i> , 2017, 116, 678-685.	10.3	3
51	Partially Fluoride-Substituted Hydroxyapatite as a Suitable Support for the Gold-Catalyzed Homocoupling of Phenylboronic Acid: An Example of Interface Modification. <i>ACS Catalysis</i> , 2017, 7, 2998-3003.	11.2	18
52	Sumanene derivatives functionalized at the internal carbon. <i>Chemical Communications</i> , 2017, 53, 697-700.	4.1	20
53	A Hydrogen-Bonded Hexagonal Buckybowl Framework. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15294-15298.	13.8	67
54	Hexathioalkyl sumanenes: an electron-donating buckybowl as a building block for supramolecular materials. <i>Chemical Science</i> , 2017, 8, 8405-8410.	7.4	54

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55	A Hydrogen-Bonded Hexagonal Buckybowl Framework. <i>Angewandte Chemie</i> , 2017, 129, 15496-15500.	2.0	18
56	The Impact of the Polymer Chain Length on the Catalytic Activity of Poly(N-vinyl-2-pyrrolidone)-supported Gold Nanoclusters. <i>Scientific Reports</i> , 2017, 7, 9579.	3.3	37
57	Intramolecular Hydroamination by a Primary Amine of an Unactivated Alkene on Gold Nanoclusters: A DFT Study. <i>ChemCatChem</i> , 2017, 9, 4490-4500.	3.7	8
58	Synthesis of a C ₇₀ Fragment Buckybowl C ₂₈ H ₁₄ from a C ₆₀ Fragment Sumanene. <i>Chemistry Letters</i> , 2017, 46, 1556-1559.	1.3	21
59	2,3,5,6,8,9-Hexabromosumanene: Synthesis and Its Application to Suzuki-Miyaura Cross-coupling. <i>Chemistry Letters</i> , 2017, 46, 1368-1371.	1.3	20
60	N-type Superconductivity in an Organic Mott Insulator Induced by Light-Driven Electron-Doping. <i>Advanced Materials</i> , 2017, 29, 1606833.	21.0	21
61	Synthesis of Triaryltriazasumanenes. <i>Chemistry Letters</i> , 2017, 46, 146-148.	1.3	29
62	Intramolecular Hydroamination by a Primary Amine of an Unactivated Alkene on Gold Nanoclusters: A DFT Study. <i>ChemCatChem</i> , 2017, 9, 4450-4450.	3.7	0
63	Thermal stability, solubility, and fluorescence property of poly(arylene vinylene ketone)s bearing 1,1'-binaphthylene units. <i>Reactive and Functional Polymers</i> , 2016, 100, 123-129.	4.1	2
64	Mechanism of Ullmann Coupling Reaction of Chloroarene on Au/Pd Alloy Nanocluster: A DFT Study. <i>Organometallics</i> , 2016, 35, 1192-1201.	2.3	15
65	Bowl Inversion and Electronic Switching of Buckybowls on Gold. <i>Journal of the American Chemical Society</i> , 2016, 138, 12142-12149.	13.7	44
66	Structure, Interaction, and Dynamics of Au/Pd Bimetallic Nanoalloys Dispersed in Aqueous Ethylpyrrolidone, a Monomeric Moiety of Polyvinylpyrrolidone. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17454-17464.	3.1	26
67	Synthesis of Hydroxysumanene and Substituent Effect of Hydroxy Group on Bowl Inversion Dynamics and Electronic Structure. <i>Journal of Organic Chemistry</i> , 2016, 81, 11978-11981.	3.2	11
68	Intra- and Intermolecular Reactivity of Triplet Sumanenetrione. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 1612-1617.	3.2	2
69	Synthesis and Characterization of Poly(arylene vinylene ketone)s Bearing 1,1'-Binaphthylene Units through Mizoroki-Heck Coupling Polymerization. <i>Chemistry Letters</i> , 2015, 44, 1780-1782.	1.3	3
70	Gold/Palladium Alloy for Carbon-Halogen Bond Activation: An Unprecedented Halide Dependence. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2669-2676.	3.3	11
71	Mechanism of the Aerobic Homocoupling of Phenylboronic Acid on Au ₂₀ ⁺ : A DFT Study. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2397-2403.	3.3	27
72	Gold/Palladium Bimetallic Nanoclusters for C-X Bond Activation: A Unique Effect of Gold. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2015, 73, 1130-1140.	0.1	5

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73	Chiral Sumanene, Triazasumanene, and Related Buckybowls. , 2015, , 91-106.		0
74	Investigation of the Dynamic Behavior of Bisumanenyl. Asian Journal of Organic Chemistry, 2015, 4, 62-68.	2.7	4
75	Significant stabilization of palladium by gold in the bimetallic nanocatalyst leading to an enhanced activity in the hydrodechlorination of aryl chlorides. Chemical Communications, 2015, 51, 12724-12727.	4.1	20
76	Synthesis of organosoluble and fluorescent aromatic polyketones bearing 1,1'-binaphthyl units through Suzuki-Miyaura coupling polymerization. Polymer Bulletin, 2015, 72, 2903-2916.	3.3	6
77	Columnar/herringbone dual crystal packing of pyrenylsumanene and its photophysical properties. Beilstein Journal of Organic Chemistry, 2014, 10, 841-847.	2.2	14
78	Correlation between bowl-inversion energy and bowl depth in substituted sumanenes. Pure and Applied Chemistry, 2014, 86, 747-753.	1.9	28
79	Beam-induced graphitic carbon cage transformation from sumanene aggregates. Applied Physics Letters, 2014, 104, 043107.	3.3	4
80	Size-controlled preparation of gold nanoclusters stabilized by high-viscosity hydrophilic polymers using a microflow reactor. Monatshefte für Chemie, 2014, 145, 23-28.	1.8	8
81	Oxidative Coupling of Organoboron Compounds. Asian Journal of Organic Chemistry, 2014, 3, 668-684.	2.7	45
82	DFT Studies of Mechanism and Origin of Stereoselectivity of Palladium-Catalyzed Cyclotrimerization Reactions Affording <i>syn</i> -Tris(norborneno)benzenes. Organometallics, 2014, 33, 3060-3068.	2.3	14
83	C-Cl Bond Activation on Au/Pd Bimetallic Nanocatalysts Studied by Density Functional Theory and Genetic Algorithm Calculations. Journal of Physical Chemistry C, 2014, 118, 22188-22196.	3.1	39
84	Synthesis of thermally stable, wholly aromatic polyketones with 2,2'-dimethoxy-1,1'-binaphthyl-6,6'-diyl units through nanosized-palladium-cluster-catalyzed Suzuki-Miyaura coupling polymerization. Reactive and Functional Polymers, 2014, 79, 24-28.	4.1	8
85	Eclipsed Columnar Packing in Crystal Structure of Sumanenetrione. Chemistry Letters, 2014, 43, 1294-1296.	1.3	14
86	Sumanenetrione Anions Generated by Electrochemical and Chemical Reduction. Chemistry Letters, 2014, 43, 1297-1299.	1.3	5
87	Mechanism of the aerobic oxidation of methanol to formic acid on Au ₈ ⁺ : A DFT study. International Journal of Quantum Chemistry, 2013, 113, 428-436.	2.0	18
88	Bimetallic gold-palladium alloy nanoclusters: an effective catalyst for Ullmann coupling of chloropyridines under ambient conditions. Catalysis Science and Technology, 2013, 3, 3030.	4.1	39
89	Magnetic circular dichroism spectroscopy and electronic structures of C ₃ symmetry buckybowls. Chemical Physics Letters, 2013, 556, 188-194.	2.6	6
90	Fluorinated and Trifluoromethylated Corannulenes. Chemistry - A European Journal, 2013, 19, 13872-13880.	3.3	53

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91	Sumanenylferrocenes and their solid state self-assembly. Dalton Transactions, 2013, 42, 13809.	3.3	15
92	The Synthesis of Hexafluorosumanene and Its Congeners. Chemistry - A European Journal, 2013, 19, 3282-3286.	3.3	33
93	Nanosized palladium-catalyzed Suzuki-Miyaura coupling polymerization: synthesis of soluble aromatic poly(ether ketone)s. Polymer Journal, 2013, 45, 401-405.	2.7	7
94	Aryl iodides as strong inhibitors in gold and gold-based bimetallic quasi-homogeneous catalysis. Chemical Communications, 2013, 49, 2542.	4.1	22
95	Stereoelectronic Effect of Curved Aromatic Structures: Favoring the Unexpected <i>endo</i> Conformation of Benzylic-Substituted Sumanene. Angewandte Chemie - International Edition, 2013, 52, 7314-7316.	13.8	32
96	Jet spectroscopy of buckybowls: Electronic and vibrational structures in the <i>S</i> and <i>S</i> ₁ states of triphenylene and sumanene. Journal of Chemical Physics, 2013, 139, 044313.	3.0	10
97	Synthesis of Substituted Sumanenes by Aromatic Electrophilic Substitution Reactions. Chemistry Letters, 2013, 42, 386-388.	1.3	34
98	Emission amplification by sumanene nanocrystals in an onigiri-type organic-organic assembly. Chemical Communications, 2012, 48, 9050.	4.1	16
99	Selective Synthesis of <i>C</i> ₃ Symmetric Functionalized Sumanenes. Chemistry Letters, 2012, 41, 84-86.	1.3	25
100	Trimethylsumanene: Enantioselective Synthesis, Substituent Effect on Bowl Structure, Inversion Energy, and Electron Conductivity. Bulletin of the Chemical Society of Japan, 2012, 85, 450-467.	3.2	84
101	Anomalous Efficacy of Bimetallic Au/Pd Nanoclusters in C-Cl Bond Activation and Formal Metathesis-type C-B Bond Activation at Room Temperature. Chemistry Letters, 2012, 41, 630-632.	1.3	21
102	Addition-versus-Oxygenative Cleavage: Two Contradictory Reactivities in the Reaction of <i>N</i> -Benzyl-4-pentenylamine Catalyzed by Colloidal Nanogold under Aerobic Conditions. Chemistry Letters, 2012, 41, 1328-1330.	1.3	16
103	Aerobic oxygenation of phenylboronic acid promoted by thiol derivatives under gold-free conditions: a warning against gold nanoparticle catalysis. Tetrahedron Letters, 2012, 53, 6104-6106.	1.4	18
104	Experimental electron density of sumanene, a bowl-shaped fullerene fragment; comparison with the related corannulene hydrocarbon. Organic and Biomolecular Chemistry, 2012, 10, 2218.	2.8	59
105	Low-Temperature Carbon-Chlorine Bond Activation by Bimetallic Gold/Palladium Alloy Nanoclusters: An Application to Ullmann Coupling. Journal of the American Chemical Society, 2012, 134, 20250-20253.	13.7	133
106	Electronic Properties of Trifluoromethylated Corannulenes. Angewandte Chemie - International Edition, 2012, 51, 11385-11388.	13.8	106
107	Aerobic oxidation of methanol to formic acid on Au ₂₀ : a theoretical study on the reaction mechanism. Physical Chemistry Chemical Physics, 2012, 14, 3103.	2.8	40
108	Bimetallic AuPd Nanocluster Catalysts with Controlled Atomic Gold Distribution for Oxidative Dehydrogenation of Tetralin. Journal of Physical Chemistry C, 2012, 116, 26776-26783.	3.1	28

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109	Where to bind in buckybowl? The dilemma of a metal ion. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3057.	2.8	80
110	Gold/Palladium Bimetallic Alloy Nanoclusters Stabilized by Chitosan as Highly Efficient and Selective Catalysts for Homocoupling of Arylboronic Acid. <i>Australian Journal of Chemistry</i> , 2012, 65, 1238.	0.9	27
111	Anti-Addition Mechanism in the Intramolecular Hydroalkoxylation of Alkenes Catalyzed by PVP-Stabilized Nanogold. <i>Molecules</i> , 2012, 17, 2579-2586.	3.8	4
112	Synthesis of bimetallic gold-silver alloy nanoclusters by simple mortar grinding. <i>Nanoscale</i> , 2012, 4, 1280.	5.6	53
113	Palladium-Catalyzed Arylation of Methylene-Bridged Polyarenes: Synthesis and Structures of 9-Arylfluorene Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1551-1558.	4.3	50
114	Enantioselective synthesis of a chiral nitrogen-doped buckybowl. <i>Nature Communications</i> , 2012, 3, 891.	12.8	166
115	Chiral phenylazomethine cage. <i>Tetrahedron Letters</i> , 2012, 53, 783-785.	1.4	10
116	Microwave-assisted synthesis of methyl (1S,2R,4S,5S)-7-aza-5-hydroxybicyclo[2.2.1]heptane-2-carboxylate through unexpected stereoselective substitution reaction. <i>Tetrahedron Letters</i> , 2012, 53, 3710-3712.	1.4	1
117	Dual Roles of Polyhydroxy Matrices in the Homocoupling of Arylboronic Acids Catalyzed by Gold Nanoclusters under Acidic Conditions. <i>Chemistry - an Asian Journal</i> , 2012, 7, 55-59.	3.3	50
118	Magnetically Recoverable Magnetite/Gold Catalyst Stabilized by Poly(N-vinyl-2-pyrrolidone) for Aerobic Oxidation of Alcohols. <i>Molecules</i> , 2011, 16, 149-161.	3.8	14
119	Synthesis of Sumanene and Related Buckybowls. <i>Chemistry Letters</i> , 2011, 40, 122-128.	1.3	166
120	Synthesis of Aromatic Polyketones Bearing 1,1-Binaphthyl-2,2-dioxy Units through Suzuki-Miyaura Coupling Polymerization. <i>Chemistry Letters</i> , 2011, 40, 1445-1446.	1.3	9
121	Aerobic Oxidations Catalyzed by Colloidal Nanogold. <i>Chemistry - an Asian Journal</i> , 2011, 6, 736-748.	3.3	166
122	Size-Controlled Synthesis of Gold Clusters as Efficient Catalysts for Aerobic Oxidation. <i>Catalysis Surveys From Asia</i> , 2011, 15, 230-239.	2.6	31
123	The impact of basis set superposition error on the structure of $\text{H}_2\text{O} \cdots \text{H}_2\text{O}$ dimers. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 1893-1901.	2.0	37
124	Catalytic activity of gold nanoclusters in intramolecular hydroamination of alkenes and alkynes with toluenesulfonamide under aerobic and basic conditions. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 442-449.	1.8	35
125	Chitosan-stabilized gold, gold-palladium, and gold-platinum nanoclusters as efficient catalysts for aerobic oxidation of alcohols. <i>Journal of Molecular Catalysis A</i> , 2011, 341, 1-6.	4.8	59
126	Gold and gold-palladium/poly(1-vinylpyrrolidin-2-one) nanoclusters as quasi-homogeneous catalyst for aerobic oxidation of glycerol. <i>Tetrahedron Letters</i> , 2011, 52, 2633-2637.	1.4	22

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127	Aerobic Oxidation of Cyclic Amines to Lactams Catalyzed by PVP-Stabilized Nanogold. <i>Synlett</i> , 2011, 1121-1124.	1.8	17
128	<i>N</i> -Formylation of Amines Catalyzed by Nanogold under Aerobic Oxidation Conditions with MeOH or Formalin. <i>Chemistry Letters</i> , 2010, 39, 1174-1176.	1.3	72
129	Gold Nanoclusters as a Catalyst for Intramolecular Addition of Primary Amines to Unactivated Alkenes under Aerobic Conditions. <i>Chemistry Letters</i> , 2010, 39, 46-48.	1.3	50
130	Optical Resolution of Chiral Buckybowls by Chiral HPLC. <i>Chemistry Letters</i> , 2010, 39, 646-647.	1.3	42
131	Formal Lewis acidic character of gold nanocluster catalyst. <i>Pure and Applied Chemistry</i> , 2010, 82, 2005-2016.	1.9	17
132	Stereoselective Cyclotrimerization of Enantiopure Iodonorbornenes Catalyzed by Pd Nanoclusters for C_3 or C_3v Symmetric <i>syn</i> -Tris(norborneno)benzenes. <i>Journal of Organic Chemistry</i> , 2010, 75, 4626-4628.	3.2	35
133	Aerobic Oxygenation of Benzylic Ketones Promoted by a Gold Nanocluster Catalyst. <i>Synlett</i> , 2009, 2009, 245-248.	1.8	40
134	Preparation of C_3 -Symmetric Homochiral <i>syn</i> -Trisnorbornabenzenes through Regioselective Cyclotrimerization of Enantiopure Iodonorbornenes. <i>Chemistry - an Asian Journal</i> , 2009, 4, 1329-1337.	3.3	31
135	Effect of Electronic Structures of Au Clusters Stabilized by Poly(<i>N</i> -vinyl-2-pyrrolidone) on Aerobic Oxidation Catalysis. <i>Journal of the American Chemical Society</i> , 2009, 131, 7086-7093.	13.7	615
136	Intramolecular Addition of Toluenesulfonamide to Unactivated Alkenes Catalyzed by Gold Nanoclusters under Aerobic Conditions. <i>Chemistry Letters</i> , 2009, 38, 908-909.	1.3	33
137	Catalytic Activity of Gold Nanocluster Catalyst Protected by Poly(<i>N</i> -vinyl 2-pyrrolidone). Yuki Gosei Kagaku Kyokaiishi/ <i>Journal of Synthetic Organic Chemistry</i> , 2009, 67, 517-528.	0.1	3
138	Asymmetric Synthesis of a Chiral Buckybowl, Trimethylsumanene. <i>Journal of the American Chemical Society</i> , 2008, 130, 8592-8593.	13.7	123
139	Tris[2-(deuteriomethylsulfanyl)phenyl]phosphine deuteriochloroform 0.125-solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o898-o898.	0.2	0
140	Synthetic Application of PVP-stabilized Au Nanocluster Catalyst to Aerobic Oxidation of Alcohols in Aqueous Solution under Ambient Conditions. <i>Chemistry Letters</i> , 2007, 36, 212-213.	1.3	81
141	Iridium(III) Complexes Bearing Quinoxaline Ligands with Efficient Red Luminescence Properties. <i>Bulletin of the Chemical Society of Japan</i> , 2007, 80, 783-788.	3.2	15
142	Synthesis of an Enantiopure <i>syn</i> -Benzocyclotrimer through Regio-selective Cyclotrimerization of a Halonorbornene Derivative under Palladium Nanocluster Conditions. <i>Chemistry Letters</i> , 2007, 36, 18-19.	1.3	40
143	Lewis Acid Character of Zero-valent Gold Nanoclusters under Aerobic Conditions: Intramolecular Hydroalkoxylation of Alkenes. <i>Chemistry Letters</i> , 2007, 36, 646-647.	1.3	66
144	Effect of Ag-Doping on the Catalytic Activity of Polymer-Stabilized Au Clusters in Aerobic Oxidation of Alcohol. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4885-4888.	3.1	141

#	ARTICLE	IF	CITATIONS
145	Thermosensitive Gold Nanoclusters Stabilized by Well-Defined Vinyl Ether Star Polymers: Reusable and Durable Catalysts for Aerobic Alcohol Oxidation. <i>Journal of the American Chemical Society</i> , 2007, 129, 12060-12061.	13.7	207
146	Oxidative homo-coupling of potassium aryltrifluoroborates catalyzed by gold nanocluster under aerobic conditions. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 368-374.	1.8	95
147	Oxovanadium(v)-catalyzed oxidative biaryl synthesis from organoborate under O ₂ . <i>Chemical Communications</i> , 2006, , 5042.	4.1	53
148	Size effect on the catalysis of gold clusters dispersed in water for aerobic oxidation of alcohol. <i>Chemical Physics Letters</i> , 2006, 429, 528-532.	2.6	193
149	Crystal Structure and Complexation Behavior of Quinonediimine Bearing Thiadiazole Unit. <i>Heterocycles</i> , 2006, 68, 829.	0.7	6
150	Synthesis and oxidation of (benzimidazolylidene)Cr(CO) ₅ complexes. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 1750-1755.	1.8	17
151	New tridentate cyclometalated platinum(II) and palladium(II) complexes of N,2-diphenyl-8-quinolinamine: syntheses, crystal structures, and photophysical properties. <i>Tetrahedron Letters</i> , 2005, 46, 8419-8422.	1.4	24
152	Structural Elucidation of Sumanene and Generation of Its Benzylic Anions. <i>Journal of the American Chemical Society</i> , 2005, 127, 11580-11581.	13.7	269
153	Synthesis and Characterization of p-Phenylenediamine Derivatives Bearing an Electron-Acceptor Unit. <i>Journal of Organic Chemistry</i> , 2005, 70, 2754-2762.	3.2	45
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158	Reductive esterification of aromatic aldehydes using Zn/Ac ₂ O/imidazole or Zn/Yb(OTf) ₃ /(RCO) ₂ O system. <i>Tetrahedron</i> , 2003, 59, 10147-10152.	1.9	10
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164	Synthesis and characterization of p-phenylenediamine derivatives bearing a thiadiazole unit. <i>Tetrahedron Letters</i> , 2002, 43, 9009-9013.	1.4	27
165	Oxovanadium(V)-Induced Oxidative Ligand Coupling of Aryltrimethylzincates Prepared from Bromoarenes and Dilithium Tetramethylzincate. <i>Journal of Organic Chemistry</i> , 2001, 66, 300-302.	3.2	37
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