

Hidehiro Sakurai

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

180
papers

6,831
citations

37
h-index

78
g-index

229
ext. papers

7,443
ext. citations

5
avg, IF

6.08
L-index

#	Paper	IF	Citations
180	Synthesis of the C Fragment Buckybowl, Homosumanene, and Heterahomosumanenes via Ring-Expansion Reactions from Sumanenone.. <i>Journal of Organic Chemistry</i> , 2022 ,	4.2	2
179	Total Synthesis of C60 2021 , 1-35		
178	The Dawn of Sumanene Chemistry: My Personal History with EFiguration. <i>Bulletin of the Chemical Society of Japan</i> , 2021 , 94, 1579-1587	5.1	6
177	Synthesis and Pyrolysis of Fullerenol-stabilized Pt Nanocolloids as a unique Approach to Pt-doped Carbon. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 2280-2285	4.5	0
176	Pyridine Ring Modification of Indane-1,3-dione Dimers for Control of their Crystal Structure. <i>Asian Journal of Organic Chemistry</i> , 2021 , 10, 2690	3	1
175	Disaggregation of a sumanene-containing fluorescent probe towards highly sensitive and specific detection of caesium cations. <i>Chemical Communications</i> , 2021 , 57, 343-346	5.8	6
174	Theoretical study on the molecular stacking interactions and charge transport properties of triazasumanene crystals - from explanation to prediction. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 4681-4689	3.6	3
173	Volcano-type correlation between particle size and catalytic activity on hydrodechlorination catalyzed by AuPd nanoalloy. <i>Nanoscale Advances</i> , 2021 , 3, 1496-1501	5.1	0
172	Lewis acid-mediated SuzukiMiyaura cross-coupling reaction. <i>Nature Catalysis</i> , 2021 , 4, 1080-1088	36.5	5
171	Anisotropic Contraction of a Polyaromatic Capsule and Its Cavity-Induced Compression Effect. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9599-9603	16.4	12
170	Synthesis of C-fragment buckybowls bearing alkoxy substituents. <i>Beilstein Journal of Organic Chemistry</i> , 2020 , 16, 681-690	2.5	2
169	Pt-Pd Nanoalloy for the Unprecedented Activation of Carbon-Fluorine Bond at Low Temperature. <i>Bulletin of the Chemical Society of Japan</i> , 2020 , 93, 1180-1185	5.1	2
168	Tris(ferrocenylmethidene)sumanene: synthesis, photophysical properties and applications for efficient caesium cation recognition in water. <i>Dalton Transactions</i> , 2020 , 49, 9965-9971	4.3	12
167	Dual roles of cellulose monolith in the continuous-flow generation and support of gold nanoparticles for green catalyst. <i>Carbohydrate Polymers</i> , 2020 , 247, 116723	10.3	8
166	Control by one drop of solvent: selective preparation of guest release/trap-triggered interconvertible molecular crystals. <i>Chemical Communications</i> , 2020 , 56, 9687-9690	5.8	5
165	Time-Dependent Density Functional Theory Investigation of Excited State Intramolecular Proton Transfer in Tris(2-hydroxyphenyl)triazasumanene. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 1227-1234	2.8	5
164	Excimer Formation of Aryl Iodides Chemisorbed on Gold Nanoparticles for the Significant Enhancement of Photoluminescence. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 1199-1203	6.4	7

163	Gold Nanoparticles Stabilized by Molecular Fullerenols. <i>ChemNanoMat</i> , 2020 , 6, 524-528	3.5	2
162	Synthesis and Dimerization Properties of Cup- and Bowl-shaped Cyclic Trilactams. <i>Asian Journal of Organic Chemistry</i> , 2020 , 9, 947-952	3	2
161	Selective Oxidative Hydroxylation of Arylboronic Acids by Colloidal Nanogold Catalyzed In Situ Generation of H ₂ O ₂ from Alcohols under Aerobic Conditions. <i>Bulletin of the Chemical Society of Japan</i> , 2020 , 93, 299-301	5.1	1
160	Theoretical Study on Singlet Fission Dynamics in Sumanene-Fused Acene Dimers. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 19499-19507	3.8	2
159	Application of cup-shaped trilactams for selective extraction of volatile compounds by gas chromatography-mass spectrometry. <i>Analyst, The</i> , 2020 , 145, 6668-6676	5	2
158	Size-Controlled Preparation of Gold Nanoparticles Deposited on Surface-Fibrillated Cellulose Obtained by Citric Acid Modification. <i>ACS Omega</i> , 2020 , 5, 33206-33213	3.9	2
157	Infrared spectrum of hydrogenated corannulene rim-HCH isolated in solid para-hydrogen. <i>Journal of Chemical Physics</i> , 2019 , 151, 044304	3.9	8
156	Dielectric and Sorption Responses of Hydrogen-Bonding Network of Amorphous C ₆₀ (OH) ₁₂ and C ₆₀ (OH) ₃₆ . <i>Journal of Physical Chemistry C</i> , 2019 , 123, 23545-23553	3.8	5
155	Sumanene Hexaester: An Electron-Deficient Buckybowl. <i>Synthesis</i> , 2019 , 51, 4576-4581	2.9	1
154	Generation of "Sumanenylidene": A Ground-State Triplet Carbene on a Curved π -Conjugated Periphery. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1844-1848	4.5	6
153	Liquid Phase Pulsed Laser Ablation on Pyrite. <i>Chemistry Letters</i> , 2019 , 48, 712-714	1.7	2
152	Molecular Packing and Solid-State Photophysical Properties of 1,3,6,8-Tetraalkylpyrenes. <i>Chemistry - A European Journal</i> , 2019 , 25, 14817-14825	4.8	9
151	Formation of a Large Confined Spherical Space with a Small Aperture Using Flexible Hexasubstituted Sumanene. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18099-18103	16.4	13
150	Infrared spectra of protonated and hydrogenated corannulene (C ₂₀ H ₁₀) and sumanene (C ₂₁ H ₁₂) using matrix isolation in solid para-hydrogen \Rightarrow implications for the UIR bands. <i>Proceedings of the International Astronomical Union</i> , 2019 , 15, 358-360	0.1	
149	Site-selective cation- π interaction as a way of selective recognition of the caesium cation using sumanene-functionalized ferrocenes. <i>Dalton Transactions</i> , 2019 , 48, 17147-17152	4.3	13
148	Electronic and vibrational structure in the S and S states of corannulene. <i>Journal of Chemical Physics</i> , 2019 , 151, 234305	3.9	3
147	Thermoelectric and Thermal Transport Properties in Sumanene Crystals. <i>Chemistry Letters</i> , 2018 , 47, 524-527	1.7	6
146	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	1.7	4

145	Molecular Arrangements of Corannulene and Sumanene in Single-Walled Carbon Nanotubes. <i>ChemNanoMat</i> , 2018 , 4, 557-561	3.5	5
144	Figuration of bowl-shaped π -conjugated molecules: properties and functions. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 635-661	7.8	133
143	Triazasumanene: An Isoelectronic Heteroanalogue of Sumanene. <i>Bulletin of the Chemical Society of Japan</i> , 2018 , 91, 531-537	5.1	30
142	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	7.8	23
141	Universality of the giant Seebeck effect in organic small molecules. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1276-1283	7.8	24
140	Sequential double C _H functionalization of 2,5-norbornadiene in flow. <i>Reaction Chemistry and Engineering</i> , 2018 , 3, 635-639	4.9	9
139	Nucleophilic Substitution at the Internal Carbon of Sumanene Framework with Inversion of Configuration. <i>Chemistry Letters</i> , 2018 , 47, 878-880	1.7	3
138	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	3.6	4
137	Electronic and vibrational structures in the S and S states of coronene. <i>Journal of Chemical Physics</i> , 2017 , 146, 044309	3.9	7
136	A Sumanene-based Aryne, Σ manyne. <i>Chemistry Letters</i> , 2017 , 46, 446-448	1.7	5
135	Size-Controlled Preparation of Gold Nanoclusters on Hydroxyapatite Through Trans-Deposition Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 4649-4657	1.3	7
134	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	10.4	3
133	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	13.1	11
132	Sumanene derivatives functionalized at the internal carbon. <i>Chemical Communications</i> , 2017 , 53, 697-700	3.8	13
131	A Hydrogen-Bonded Hexagonal Buckybowl Framework. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15294-15298	16.4	44
130	Hexathioalkyl sumanenes: an electron-donating buckybowl as a building block for supramolecular materials. <i>Chemical Science</i> , 2017 , 8, 8405-8410	9.4	33
129	A Hydrogen-Bonded Hexagonal Buckybowl Framework. <i>Angewandte Chemie</i> , 2017 , 129, 15496-15500	3.6	11
128	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	4.9	24

127	Intramolecular Hydroamination by a Primary Amine of an Unactivated Alkene on Gold Nanoclusters: A DFT Study. <i>ChemCatChem</i> , 2017 , 9, 4490-4500	5.2	6
126	Synthesis of a C70 Fragment Buckybowl C28H14 from a C60 Fragment Sumanene. <i>Chemistry Letters</i> , 2017 , 46, 1556-1559	1.7	15
125	2,3,5,6,8,9-Hexabromosumanene: Synthesis and Its Application to SuzukiMiyaura Cross-coupling. <i>Chemistry Letters</i> , 2017 , 46, 1368-1371	1.7	15
124	N-Type Superconductivity in an Organic Mott Insulator Induced by Light-Driven Electron-Doping. <i>Advanced Materials</i> , 2017 , 29, 1606833	24	17
123	Synthesis of Triaryltriazasumanenes. <i>Chemistry Letters</i> , 2017 , 46, 146-148	1.7	25
122	Intramolecular Hydroamination by a Primary Amine of an Unactivated Alkene on Gold Nanoclusters: A DFT Study. <i>ChemCatChem</i> , 2017 , 9, 4450-4450	5.2	
121	Bowl Inversion and Electronic Switching of Buckybowls on Gold. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12142-9	16.4	38
120	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	3.8	24
119	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	4.2	11
118	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	4.6	2
117	Mechanism of Ullmann Coupling Reaction of Chloroarene on Au/Pd Alloy Nanocluster: A DFT Study. <i>Organometallics</i> , 2016 , 35, 1192-1201	3.8	15
116	Significant stabilization of palladium by gold in the bimetallic nanocatalyst leading to an enhanced activity in the hydrodechlorination of aryl chlorides. <i>Chemical Communications</i> , 2015 , 51, 12724-7	5.8	19
115	Synthesis of organosoluble and fluorescent aromatic polyketones bearing 1,1'-binaphthyl units through SuzukiMiyaura coupling polymerization. <i>Polymer Bulletin</i> , 2015 , 72, 2903-2916	2.4	5
114	Growing Buckybowl Chemistry 2015 , 61-84		0
113	Intra- and Intermolecular Reactivity of Triplet Sumanenetrione. <i>Bulletin of the Chemical Society of Japan</i> , 2015 , 88, 1612-1617	5.1	2
112	Synthesis and Characterization of Poly(arylene vinylene ketone)s Bearing 1,1'-Binaphthylene Units through MizorokiHeck Coupling Polymerization. <i>Chemistry Letters</i> , 2015 , 44, 1780-1782	1.7	3
111	Gold/Palladium Alloy for Carbon-Halogen Bond Activation: An Unprecedented Halide Dependence. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 2669-76	4.5	10
110	Mechanism of the Aerobic Homocoupling of Phenylboronic Acid on Au: A DFT Study. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 2397-403	4.5	21

109	Gold/Palladium Bimetallic Nanoclusters for C-X Bond Activation: A Unique Effect of Gold. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2015 , 73, 1130-1140	0.2	5
108	Chiral Sumanene, Triazasumanene, and Related Buckybowls 2015 , 91-106		
107	Investigation of the Dynamic Behavior of Bisumanenyl. <i>Asian Journal of Organic Chemistry</i> , 2015 , 4, 62-68		4
106	Oxidative Coupling of Organoboron Compounds. <i>Asian Journal of Organic Chemistry</i> , 2014 , 3, 668-684	3	37
105	DFT Studies of Mechanism and Origin of Stereoselectivity of Palladium-Catalyzed Cyclotrimerization Reactions Affording syn-Tris(norborneno)benzenes. <i>Organometallics</i> , 2014 , 33, 3060-3068	3.8	13
104	C-X Bond Activation on Au/Pd Bimetallic Nanocatalysts Studied by Density Functional Theory and Genetic Algorithm Calculations. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 22188-22196	3.8	38
103	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. <i>Reactive and Functional Polymers</i> , 2014 , 79, 24-28	4.6	7
102	Eclipsed Columnar Packing in Crystal Structure of Sumanenetrione. <i>Chemistry Letters</i> , 2014 , 43, 1294-1296		14
101	Sumanenetrione Anions Generated by Electrochemical and Chemical Reduction. <i>Chemistry Letters</i> , 2014 , 43, 1297-1299	1.7	5
100	Columnar/herringbone dual crystal packing of pyrenylsumanene and its photophysical properties. <i>Beilstein Journal of Organic Chemistry</i> , 2014 , 10, 841-7	2.5	12
99	Correlation between bowl-inversion energy and bowl depth in substituted sumanenes. <i>Pure and Applied Chemistry</i> , 2014 , 86, 747-753	2.1	25
98	Beam-induced graphitic carbon cage transformation from sumanene aggregates. <i>Applied Physics Letters</i> , 2014 , 104, 043107	3.4	3
97	Size-controlled preparation of gold nanoclusters stabilized by high-viscosity hydrophilic polymers using a microflow reactor. <i>Monatshefte Für Chemie</i> , 2014 , 145, 23-28	1.4	7
96	Mechanism of the aerobic oxidation of methanol to formic acid on Au ₈ DFT study. <i>International Journal of Quantum Chemistry</i> , 2013 , 113, 428-436	2.1	17
95	Bimetallic gold-palladium alloy nanoclusters: an effective catalyst for Ullmann coupling of chloropyridines under ambient conditions. <i>Catalysis Science and Technology</i> , 2013 , 3, 3030	5.5	35
94	Magnetic circular dichroism spectroscopy and electronic structures of C ₃ symmetry buckybowls. <i>Chemical Physics Letters</i> , 2013 , 556, 188-194	2.5	5
93	Fluorinated and trifluoromethylated corannulenes. <i>Chemistry - A European Journal</i> , 2013 , 19, 13872-80	4.8	49
92	Sumanenylferrocenes and their solid state self-assembly. <i>Dalton Transactions</i> , 2013 , 42, 13809-12	4.3	15

91	The synthesis of hexafluorosumanene and its congeners. <i>Chemistry - A European Journal</i> , 2013 , 19, 3282-48	4.8	28
90	Nanosized palladium-catalyzed Suzuki-Miyaura coupling polymerization: synthesis of soluble aromatic poly(ether ketone)s. <i>Polymer Journal</i> , 2013 , 45, 401-405	2.7	7
89	Aryl iodides as strong inhibitors in gold and gold-based bimetallic quasi-homogeneous catalysis. <i>Chemical Communications</i> , 2013 , 49, 2542-4	5.8	21
88	Stereoelectronic effect of curved aromatic structures: favoring the unexpected endo conformation of benzylic-substituted sumanene. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7314-6	16.4	30
87	Stereoelectronic Effect of Curved Aromatic Structures: Favoring the Unexpected endo Conformation of Benzylic-Substituted Sumanene. <i>Angewandte Chemie</i> , 2013 , 125, 7455-7457	3.6	6
86	Jet spectroscopy of buckybowl: electronic and vibrational structures in the S0 and S1 states of triphenylene and sumanene. <i>Journal of Chemical Physics</i> , 2013 , 139, 044313	3.9	6
85	Synthesis of Substituted Sumanenes by Aromatic Electrophilic Substitution Reactions. <i>Chemistry Letters</i> , 2013 , 42, 386-388	1.7	30
84	Chiral phenylazomethine cage. <i>Tetrahedron Letters</i> , 2012 , 53, 783-785	2	10
83	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	2	1
82	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, 55-9	4.5	43
81	Selective Synthesis of C3 Symmetric Functionalized Sumanenes. <i>Chemistry Letters</i> , 2012 , 41, 84-86	1.7	24
80	Trimethylsumanene: Enantioselective Synthesis, Substituent Effect on Bowl Structure, Inversion Energy, and Electron Conductivity. <i>Bulletin of the Chemical Society of Japan</i> , 2012 , 85, 450-467	5.1	79
79	Anomalous Efficacy of Bimetallic Au/Pd Nanoclusters in C-Cl Bond Activation and Formal Metathesis-type C-B Bond Activation at Room Temperature. <i>Chemistry Letters</i> , 2012 , 41, 630-632	1.7	19
78	Addition-versus-Oxygenative Cleavage: Two Contradictory Reactivities in the Reaction of N-Benzyl-4-pentenylamine Catalyzed by Colloidal Nanogold under Aerobic Conditions. <i>Chemistry Letters</i> , 2012 , 41, 1328-1330	1.7	14
77	Aerobic oxygenation of phenylboronic acid promoted by thiol derivatives under gold-free conditions: a warning against gold nanoparticle catalysis. <i>Tetrahedron Letters</i> , 2012 , 53, 6104-6106	2	16
76	Experimental electron density of sumanene, a bowl-shaped fullerene fragment; comparison with the related corannulene hydrocarbon. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 2218-22	3.9	54
75	Low-temperature carbon-chlorine bond activation by bimetallic gold/palladium alloy nanoclusters: an application to Ullmann coupling. <i>Journal of the American Chemical Society</i> , 2012 , 134, 20250-3	16.4	119
74	Elektronische Eigenschaften trifluormethylierter Corannulene. <i>Angewandte Chemie</i> , 2012 , 124, 11548-11551	3.5	31

73	Electronic properties of trifluoromethylated corannulenes. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11385-8	16.4	99
72	Aerobic oxidation of methanol to formic acid on Au ₂₀ : a theoretical study on the reaction mechanism. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 3103-11	3.6	37
71	Bimetallic AuPd Nanocluster Catalysts with Controlled Atomic Gold Distribution for Oxidative Dehydrogenation of Tetralin. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 26776-26783	3.8	27
70	Where to bind in buckybawls? The dilemma of a metal ion. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 3057-65	3.6	68
69	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	1.2	25
68	Anti-addition mechanism in the intramolecular hydroalkoxylation of alkenes catalyzed by PVP-stabilized nanogold. <i>Molecules</i> , 2012 , 17, 2579-86	4.8	4
67	Synthesis of bimetallic gold-silver alloy nanoclusters by simple mortar grinding. <i>Nanoscale</i> , 2012 , 4, 1280-7	7	49
66	Palladium-Catalyzed Arylation of Methylene-Bridged Polyarenes: Synthesis and Structures of 9-Arylfluorene Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2012 , 354, 1551-1558	5.6	44
65	Enantioselective synthesis of a chiral nitrogen-doped buckybowl. <i>Nature Communications</i> , 2012 , 3, 891	17.4	143
64	Emission amplification by sumanene nanocrystals in an onigiri-type organic-organic assembly. <i>Chemical Communications</i> , 2012 , 48, 9050-2	5.8	16
63	Synthesis of Sumanene and Related Buckybawls. <i>Chemistry Letters</i> , 2011 , 40, 122-128	1.7	148
62	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	1.7	9
61	Aerobic oxidations catalyzed by colloidal nanogold. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 736-48	4.5	155
60	Size-Controlled Synthesis of Gold Clusters as Efficient Catalysts for Aerobic Oxidation. <i>Catalysis Surveys From Asia</i> , 2011 , 15, 230-239	2.8	29
59	The impact of basis set superposition error on the structure of H_2 dimers. <i>International Journal of Quantum Chemistry</i> , 2011 , 111, 1893-1901	2.1	34
58	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	2.3	31
57	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		56
56	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	2	22

55	Aerobic Oxidation of Cyclic Amines to Lactams Catalyzed by PVP-Stabilized Nanogold. <i>Synlett</i> , 2011 , 1121-1124	2.2	11
54	Magnetically recoverable magnetite/gold catalyst stabilized by poly(N-vinyl-2-pyrrolidone) for aerobic oxidation of alcohols. <i>Molecules</i> , 2010 , 16, 149-61	4.8	14
53	Formal Lewis acidic character of gold nanocluster catalyst. <i>Pure and Applied Chemistry</i> , 2010 , 82, 2005-2016	2.1	15
52	Stereoselective cyclotrimerization of enantiopure iodonorbornenes catalyzed by Pd nanoclusters for C(3) or C(3v) symmetric syn-tris(norborneno)benzenes. <i>Journal of Organic Chemistry</i> , 2010 , 75, 4626-8	4.2	34
51	N-Formylation of Amines Catalyzed by Nanogold under Aerobic Oxidation Conditions with MeOH or Formalin. <i>Chemistry Letters</i> , 2010 , 39, 1174-1176	1.7	60
50	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	1.7	39
49	Optical Resolution of Chiral Buckybowls by Chiral HPLC. <i>Chemistry Letters</i> , 2010 , 39, 646-647	1.7	39
48	Aerobic Oxygenation of Benzylic Ketones Promoted by a Gold Nanocluster Catalyst. <i>Synlett</i> , 2009 , 2009, 245-248	2.2	37
47	Preparation of C(3)-symmetric homochiral syn-trisnorbornabenzenes through regioselective cyclotrimerization of enantiopure iodonorbornenes. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 1329-37	4.5	30
46	Effect of electronic structures of Au clusters stabilized by poly(N-vinyl-2-pyrrolidone) on aerobic oxidation catalysis. <i>Journal of the American Chemical Society</i> , 2009 , 131, 7086-93	16.4	556
45	Intramolecular Addition of Toluenesulfonamide to Unactivated Alkenes Catalyzed by Gold Nanoclusters under Aerobic Conditions. <i>Chemistry Letters</i> , 2009 , 38, 908-909	1.7	25
44	Catalytic Activity of Gold Nanocluster Catalyst Protected by Poly (N-vinyl 2-pyrrolidone). <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2009 , 67, 517-528	0.2	1
43	Asymmetric synthesis of a chiral bucky bowl, trimethylsumanene. <i>Journal of the American Chemical Society</i> , 2008 , 130, 8592-3	16.4	115
42	Tris[2-(deuteriomethyl-sulfan-yl)-phen-yl]-phosphine deuteriochloro-form 0.125-solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o898		
41	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, 12060-1	16.4	192
40	Oxidative homo-coupling of potassium aryltrifluoroborates catalyzed by gold nanocluster under aerobic conditions. <i>Journal of Organometallic Chemistry</i> , 2007 , 692, 368-374	2.3	89
39	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	1.7	73
38	Iridium(III) Complexes Bearing Quinoxaline Ligands with Efficient Red Luminescence Properties. <i>Bulletin of the Chemical Society of Japan</i> , 2007 , 80, 783-788	5.1	14

37	Synthesis of an Enantiopure syn-Benzocyclotrimer through Regio-selective Cyclotrimerization of a Halonorbornene Derivative under Palladium Nanocluster Conditions. <i>Chemistry Letters</i> , 2007 , 36, 18-19	1.7	37
36	Lewis Acid Character of Zero-valent Gold Nanoclusters under Aerobic Conditions: Intramolecular Hydroalkoxylation of Alkenes. <i>Chemistry Letters</i> , 2007 , 36, 646-647	1.7	58
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