Hidehiro Sakurai

List of Publications by Year
in descending order

180	7,904	81743 39	56606 83
papers	citations	h-index	g-index

229	229	229	6373
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Size-Specific Catalytic Activity of Polymer-Stabilized Gold Nanoclusters for Aerobic Alcohol Oxidation in Water. Journal of the American Chemical Society, 2005, 127, 9374-9375.	6.6	832
2	Effect of Electronic Structures of Au Clusters Stabilized by Poly(N-vinyl-2-pyrrolidone) on Aerobic Oxidation Catalysis. Journal of the American Chemical Society, 2009, 131, 7086-7093.	6.6	615
3	A Synthesis of Sumanene, a Fullerene Fragment. Science, 2003, 301, 1878-1878.	6.0	486
4	Colloidal Gold Nanoparticles as Catalyst for Carbonâ^'Carbon Bond Formation:Â Application to Aerobic Homocoupling of Phenylboronic Acid in Water. Langmuir, 2004, 20, 11293-11296.	1.6	356
5	Structural Elucidation of Sumanene and Generation of Its Benzylic Anions. Journal of the American Chemical Society, 2005, 127, 11580-11581.	6.6	269
6	Pd/C as a Reusable Catalyst for the Coupling Reaction of Halophenols and Arylboronic Acids in Aqueous Media. Journal of Organic Chemistry, 2002, 67, 2721-2722.	1.7	248
7	Thermosensitive Gold Nanoclusters Stabilized by Well-Defined Vinyl Ether Star Polymers:â€‰ Reusable and Durable Catalysts for Aerobic Alcohol Oxidation. Journal of the American Chemical Society, 2007, 129, 12060-12061.	6.6	207
8	Figuration of bowl-shaped Ï€-conjugated molecules: properties and functions. Materials Chemistry Frontiers, 2018, 2, 635-661.	3.2	195
9	Size effect on the catalysis of gold clusters dispersed in water for aerobic oxidation of alcohol. Chemical Physics Letters, 2006, 429, 528-532.	1.2	193
10	Synthesis of Sumanene and Related Buckybowls. Chemistry Letters, 2011, 40, 122-128.	0.7	166
11	Aerobic Oxidations Catalyzed by Colloidal Nanogold. Chemistry - an Asian Journal, 2011, 6, 736-748.	1.7	166
12	Enantioselective synthesis of a chiral nitrogen-doped buckybowl. Nature Communications, 2012, 3, 891.	5.8	166
13	Effect of Ag-Doping on the Catalytic Activity of Polymer-Stabilized Au Clusters in Aerobic Oxidation of Alcohol. Journal of Physical Chemistry C, 2007, 111, 4885-4888.	1.5	141
14	Low-Temperature Carbonâ€“Chlorine Bond Activation by Bimetallic Gold/Palladium Alloy Nanoclusters: An Application to Ullmann Coupling. Journal of the American Chemical Society, 2012, 134, 20250-20253.	6.6	133
15	Asymmetric Synthesis of a Chiral Buckybowl, Trimethylsumanene. Journal of the American Chemical Society, 2008, 130, 8592-8593.	6.6	123
16	Electronic Properties of Trifluoromethylated Corannulenes. Angewandte Chemie - International Edition, 2012, 51, 11385-11388.	7.2	106
17	Oxidative homo-coupling of potassium aryltrifluoroborates catalyzed by gold nanocluster under aerobic conditions. Journal of Organometallic Chemistry, 2007, 692, 368-374.	0.8	95
18	Trimethylsumanene: Enantioselective Synthesis, Substituent Effect on Bowl Structure, Inversion Energy, and Electron Conductivity. Bulletin of the Chemical Society of Japan, 2012, 85, 450-467.	2.0	84

#	Article	IF	Citations
19	Synthetic Application of PVP-stabilized Au Nanocluster Catalyst to Aerobic Oxidation of Alcohols in Aqueous Solution under Ambient Conditions. Chemistry Letters, 2007, 36, 212-213.	0.7	81
20	Where to bind in buckybowls? The dilemma of a metal ion. Physical Chemistry Chemical Physics, 2012, 14, 3057.	1.3	80
21	N-Formylation of Amines Catalyzed by Nanogold under Aerobic Oxidation Conditions with MeOH or Formalin. Chemistry Letters, 2010, 39, 1174-1176.	0.7	72
22	A Hydrogenâ€Bonded Hexagonal Buckybowl Framework. Angewandte Chemie - International Edition, 2017, 56, 15294-15298.	7.2	67
23	Lewis Acid Character of Zero-valent Gold Nanoclusters under Aerobic Conditions: Intramolecular Hydroalkoxylation of Alkenes. Chemistry Letters, 2007, 36, 646-647.	0.7	66
24	Chitosan-stabilized gold, goldâ€“palladium, and goldâ€“platinum nanoclusters as efficient catalysts for aerobic oxidation of alcohols. Journal of Molecular Catalysis A, 2011, 341, 1-6.	4.8	59
25	Experimental electron density of sumanene, a bowl-shaped fullerene fragment; comparison with the related corannulene hydrocarbon. Organic and Biomolecular Chemistry, 2012, 10, 2218.	1.5	59
26	Hexathioalkyl sumanenes: an electron-donating buckybowl as a building block for supramolecular materials. Chemical Science, 2017, 8, 8405-8410.	3.7	54
27	Oxovanadium(v)-catalyzed oxidative biaryl synthesis from organoborate under O2. Chemical Communications, 2006, , 5042.	2.2	53
28	Synthesis of bimetallic goldâ€“silver alloy nanoclusters by simple mortar grinding. Nanoscale, 2012, 4, 1280.	2.8	53
29	Fluorinated and Trifluoromethylated Corannulenes. Chemistry - A European Journal, 2013, 19, 13872-13880.	1.7	53
30	Gold Nanoclusters as a Catalyst for Intramolecular Addition of Primary Amines to Unactivated Alkenes under Aerobic Conditions. Chemistry Letters, 2010, 39, 46-48.	0.7	50
31	Palladiumâ€Catalyzed Arylation of Methyleneâ€Bridged Polyarenes: Synthesis and Structures of 9â€Arylfluorene Derivatives. Advanced Synthesis and Catalysis, 2012, 354, 1551-1558.	2.1	50
32	Dual Roles of Polyhydroxy Matrices in the Homocoupling of Arylboronic Acids Catalyzed by Gold Nanoclusters under Acidic Conditions. Chemistry - an Asian Journal, 2012, 7, 55-59.	1.7	50
33	Observation of Zwitterionic d0Zirconiumâˆ'Alkylâˆ'Alkene Chelates:Â Models for Intermediates in Metallocene-Catalyzed Alkene Polymerizations. Journal of the American Chemical Society, 1999, 121, 9483-9484.	6.6	45
34	Synthesis and Characterization of p-Phenylenediamine Derivatives Bearing an Electron-Acceptor Unit. Journal of Organic Chemistry, 2005, 70, 2754-2762.	1.7	45
35	Oxidative Coupling of Organoboron Compounds. Asian Journal of Organic Chemistry, 2014, 3, 668-684.	1.3	45
36	Models for Intermediates in Metallocene-Catalyzed Alkene Polymerization:â€‰ Alkene Dissociation from Cp2Zr[Î·1,Î·2-CH2Si(CH3)2CH2CHCH2][B(C6F5)4]. Organometallics, 2001, 20, 4262-4265.	1.1	44

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37	Bowl Inversion and Electronic Switching of Buckybowls on Gold. Journal of the American Chemical Society, 2016, 138, 12142-12149.	6.6	44
38	Optical Resolution of Chiral Buckybowls by Chiral HPLC. Chemistry Letters, 2010, 39, 646-647.	0.7	42
39	Synthesis of an Enantiopuresyn-Benzocyclotrimer through Regio-selective Cyclotrimerization of a Halonorbornene Derivative under Palladium Nanocluster Conditions. Chemistry Letters, 2007, 36, 18-19.	0.7	40
40	Aerobic Oxygenation of Benzylic Ketones Promoted by a Gold Nanocluster Catalyst. Synlett, 2009, 2009, 245-248.	1.0	40
41	Aerobic oxidation of methanol to formic acid on Au20â^': a theoretical study on the reaction mechanism. Physical Chemistry Chemical Physics, 2012, 14, 3103.	1.3	40
42	Bimetallic goldâ€“palladium alloy nanoclusters: an effective catalyst for Ullmann coupling of chloropyridines under ambient conditions. Catalysis Science and Technology, 2013, 3, 3030.	2.1	39
43	Câ€“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.	1.5	39
44	Oxovanadium(V)-Induced Oxidative Ligand Coupling of Aryltrimethylzincates Prepared from Bromoarenes and Dilithium Tetramethylzincate. Journal of Organic Chemistry, 2001, 66, 300-302.	1.7	37
45	The impact of basis set superposition error on the structure of Ï€ï£¿Ï€ dimers. International Journal of Quantum Chemistry, 2011, 111, 1893-1901.	1.0	37
46	The Impact of the Polymer Chain Length on the Catalytic Activity of Poly(N-vinyl-2-pyrrolidone)-supported Gold Nanoclusters. Scientific Reports, 2017, 7, 9579.	1.6	37
47	Triazasumanene: An Isoelectronic Heteroanalogue of Sumanene. Bulletin of the Chemical Society of Japan, 2018, 91, 531-537.	2.0	37
48	Stereoselective Cyclotrimerization of Enantiopure Iodonorbornenes Catalyzed by Pd Nanoclusters for C₃ or C_{3v} Symmetric syn-Tris(norborneno)benzenes. Journal of Organic Chemistry, 2010, 75, 4626-4628.	1.7	35
49	Catalytic activity of gold nanoclusters in intramolecular hydroamination of alkenes and alkynes with toluenesulfonamide under aerobic and basic conditions. Journal of Organometallic Chemistry, 2011, 696, 442-449.	0.8	35
50	Synthesis of Substituted Sumanenes by Aromatic Electrophilic Substitution Reactions. Chemistry Letters, 2013, 42, 386-388.	0.7	34
51	Intramolecular Addition of Toluenesulfonamide to Unactivated Alkenes Catalyzed by Gold Nanoclusters under Aerobic Conditions. Chemistry Letters, 2009, 38, 908-909.	0.7	33
52	The Synthesis of Hexafluorosumanene and Its Congeners. Chemistry - A European Journal, 2013, 19, 3282-3286.	1.7	33
53	Bissilyl Ketone; A Convenient Method for the Synthesis and Its Pd(0) Catalyzed Reaction with Alkenes and Alkynes. Chemistry Letters, 1996, 25, 841-842.	0.7	32
54	Palladium Catalyzed Coupling Reaction of Acylchromate Complexes and Allylic Bromides. Chemistry Letters, 1999, 28, 309-310.	0.7	32

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55	Oxovanadium(V)-Induced Vicinal Dialkylation of Cyclic Enones with Organozinc Compounds. Organic Letters, 2000, 2, 3659-3661.	2.4	32
56	Stereoelectronic Effect of Curved Aromatic Structures: Favoring the Unexpected endo Conformation of Benzylicâ€Substituted Sumanene. Angewandte Chemie - International Edition, 2013, 52, 7314-7316.	7.2	32
57	Preparation of C₃â€Symmetric Homochiral synâ€Trisnorbornabenzenes through Regioselective Cyclotrimerization of Enantiopure Iodonorbornenes. Chemistry - an Asian Journal, 2009, 4, 1329-1337.	1.7	31
58	Size-Controlled Synthesis of Gold Clusters as Efficient Catalysts for Aerobic Oxidation. Catalysis Surveys From Asia, 2011, 15, 230-239.	1.0	31
59	Universality of the giant Seebeck effect in organic small molecules. Materials Chemistry Frontiers, 2018, 2, 1276-1283.	3.2	31
60	Synthesis of Triaryltriazasumanenes. Chemistry Letters, 2017, 46, 146-148.	0.7	29
61	Bimetallic AuPd Nanocluster Catalysts with Controlled Atomic Gold Distribution for Oxidative Dehydrogenation of Tetralin. Journal of Physical Chemistry C, 2012, 116, 26776-26783.	1.5	28
62	Correlation between bowl-inversion energy and bowl depth in substituted sumanenes. Pure and Applied Chemistry, 2014, 86, 747-753.	0.9	28
63	Anisotropic Contraction of a Polyaromatic Capsule and Its Cavity-Induced Compression Effect. Journal of the American Chemical Society, 2020, 142, 9599-9603.	6.6	28
64	Synthesis and characterization of p-phenylenediamine derivatives bearing a thiadiazole unit. Tetrahedron Letters, 2002, 43, 9009-9013.	0.7	27
65	Gold/Palladium Bimetallic Alloy Nanoclusters Stabilized by Chitosan as Highly Efficient and Selective Catalysts for Homocoupling of Arylboronic Acid. Australian Journal of Chemistry, 2012, 65, 1238.	0.5	27
66	Mechanism of the Aerobic Homocoupling of Phenylboronic Acid on Au₂₀^{â^’}: A DFT Study. Chemistry - an Asian Journal, 2015, 10, 2397-2403.	1.7	27
67	Synthesis of a Bis(boronate) Compound Havings-Indacene Framework and Its Property as a Host Molecule for Dimethylaminopyridine. Bulletin of the Chemical Society of Japan, 1996, 69, 2585-2594.	2.0	26
68	Structure, Interaction, and Dynamics of Au/Pd Bimetallic Nanoalloys Dispersed in Aqueous Ethylpyrrolidone, a Monomeric Moiety of Polyvinylpyrrolidone. Journal of Physical Chemistry C, 2016, 120, 17454-17464.	1.5	26
69	A Novel Rearrangement of Chromium Allyloxy(aryl)carbene Complexes Catalyzed by Pd(0). Chemistry Letters, 1999, 28, 75-76.	0.7	25
70	Palladium-Catalyzed Synthesis of Î±-Diketones from Acylchromates, Iodoarenes, and Carbon Monoxide. Chemistry Letters, 2000, 29, 168-169.	0.7	25
71	Selective Synthesis of C3 Symmetric Functionalized Sumanenes. Chemistry Letters, 2012, 41, 84-86.	0.7	25
72	Tris(2-hydroxyphenyl)triazasumanene: bowl-shaped excited-state intramolecular proton transfer (ESIPT) fluorophore coupled with aggregation-induced enhanced emission (AIEE). Materials Chemistry Frontiers, 2018, 2, 514-519.	3.2	25

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73	New tridentate cyclometalated platinum(II) and palladium(II) complexes of N,2-diphenyl-8-quinolinamine: syntheses, crystal structures, and photophysical properties. Tetrahedron Letters, 2005, 46, 8419-8422.	0.7	24
74	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.	6.6	24
75	Goldâ€“ and goldâ€“palladium/poly(1-vinylpyrrolidin-2-one) nanoclusters as quasi-homogeneous catalyst for aerobic oxidation of glycerol. Tetrahedron Letters, 2011, 52, 2633-2637.	0.7	22
76	Aryl iodides as strong inhibitors in gold and gold-based bimetallic quasi-homogeneous catalysis. Chemical Communications, 2013, 49, 2542.	2.2	22
77	Site-selective cationâ€“Ï€ interaction as a way of selective recognition of the caesium cation using sumanene-functionalized ferrocenes. Dalton Transactions, 2019, 48, 17147-17152.	1.6	22
78	Double Acylation of Alkenes with Acylchromates Promoted by Cationic Pd(II) Complex. Chemistry Letters, 2000, 29, 174-175.	0.7	21
79	Anomalous Efficacy of Bimetallic Au/Pd Nanoclusters in Câ€“Cl Bond Activation and Formal Metathesis-type Câ€“B Bond Activation at Room Temperature. Chemistry Letters, 2012, 41, 630-632.	0.7	21
80	Synthesis of a C₇₀ Fragment Buckybowl C₂₈H₁₄ from a C₆₀ Fragment Sumanene. Chemistry Letters, 2017, 46, 1556-1559.	0.7	21
81	Nâ€Type Superconductivity in an Organic Mott Insulator Induced by Lightâ€Driven Electronâ€Doping. Advanced Materials, 2017, 29, 1606833.	11.1	21
82	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.	2.2	20
83	Sumanene derivatives functionalized at the internal carbon. Chemical Communications, 2017, 53, 697-700.	2.2	20
84	2,3,5,6,8,9-Hexabromosumanene: Synthesis and Its Application to Suzukiâ€“Miyaura Cross-coupling. Chemistry Letters, 2017, 46, 1368-1371.	0.7	20
85	Tris(ferrocenylmethidene)sumanene: synthesis, photophysical properties and applications for efficient caesium cation recognition in water. Dalton Transactions, 2020, 49, 9965-9971.	1.6	20
86	Disaggregation of a sumanene-containing fluorescent probe towards highly sensitive and specific detection of caesium cations. Chemical Communications, 2021, 57, 343-346.	2.2	20
87	Lewis acid-mediated Suzukiâ€“Miyaura cross-coupling reaction. Nature Catalysis, 2021, 4, 1080-1088.	16.1	19
88	Oxidative Ligand Coupling of Tetraarylborates Promoted by Chlorosilane and Molecular Oxygen. Chemistry Letters, 2001, 30, 1084-1085.	0.7	18
89	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.	0.7	18
90	Mechanism of the aerobic oxidation of methanol to formic acid on Au₈^{â^’}: A DFT study. International Journal of Quantum Chemistry, 2013, 113, 428-436.	1.0	18

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91	Partially Fluoride-Substituted Hydroxyapatite as a Suitable Support for the Gold-Catalyzed Homocoupling of Phenylboronic Acid: An Example of Interface Modification. ACS Catalysis, 2017, 7, 2998-3003.	5.5	18
92	A Hydrogenâ€Bonded Hexagonal Buckybowl Framework. Angewandte Chemie, 2017, 129, 15496-15500.	1.6	18
93	Oxidation of benzylsilanes and benzyltins by oxovanadium(V) compound and molecular oxygen. Tetrahedron, 2001, 57, 5073-5079.	1.0	17
94	Synthesis and oxidation of (benzimidazolylidene)Cr(CO)5 complexes. Journal of Organometallic Chemistry, 2005, 690, 1750-1755.	0.8	17
95	Formal Lewis acidic character of gold nanocluster catalyst. Pure and Applied Chemistry, 2010, 82, 2005-2016.	0.9	17
96	Aerobic Oxidation of Cyclic Amines to Lactams Catalyzed by PVP-Stabilized Nanogold. Synlett, 2011, 2011, 1121-1124.	1.0	17
97	Molecular Packing and Solidâ€State Photophysical Properties of 1,3,6,8â€Tetraalkylpyrenes. Chemistry - A European Journal, 2019, 25, 14817-14825.	1.7	17
98	Emission amplification by sumanene nanocrystals in an onigiri-type organicâ€“organic assembly. Chemical Communications, 2012, 48, 9050.	2.2	16
99	Addition-versus-Oxygenative Cleavage: Two Contradictory Reactivities in the Reaction of N-Benzyl-4-pentenylamine Catalyzed by Colloidal Nanogold under Aerobic Conditions. Chemistry Letters, 2012, 41, 1328-1330.	0.7	16
100	Iridium(III) Complexes Bearing Quinoxaline Ligands with Efficient Red Luminescence Properties. Bulletin of the Chemical Society of Japan, 2007, 80, 783-788.	2.0	15
101	Sumanenylferrocenes and their solid state self-assembly. Dalton Transactions, 2013, 42, 13809.	1.6	15
102	Mechanism of Ullmann Coupling Reaction of Chloroarene on Au/Pd Alloy Nanocluster: A DFT Study. Organometallics, 2016, 35, 1192-1201.	1.1	15
103	Magnetically Recoverable Magnetite/Gold Catalyst Stabilized by Poly(N-vinyl-2-pyrrolidone) for Aerobic Oxidation of Alcohols. Molecules, 2011, 16, 149-161.	1.7	14
104	Columnar/herringbone dual crystal packing of pyrenylsumanene and its photophysical properties. Beilstein Journal of Organic Chemistry, 2014, 10, 841-847.	1.3	14
105	DFT Studies of Mechanism and Origin of Stereoselectivity of Palladium-Catalyzed Cyclotrimerization Reactions Affording syn-Tris(norborneno)benzenes. Organometallics, 2014, 33, 3060-3068.	1.1	14
106	Eclipsed Columnar Packing in Crystal Structure of Sumanenetrione. Chemistry Letters, 2014, 43, 1294-1296.	0.7	14
107	Dual roles of cellulose monolith in the continuous-flow generation and support of gold nanoparticles for green catalyst. Carbohydrate Polymers, 2020, 247, 116723.	5.1	14
108	The Dawn of Sumanene Chemistry: My Personal History with Ï€-Figuration. Bulletin of the Chemical Society of Japan, 2021, 94, 1579-1587.	2.0	14

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109	Synthesis of Re(I) complexes bearing tridentate 2,6-bis(7â€²-azaindolyl)phenyl ligand with green emission properties. Journal of Organometallic Chemistry, 2004, 689, 1665-1674.	0.8	13
110	Infrared spectrum of hydrogenated corannulene rim-HC20H10 isolated in solid para-hydrogen. Journal of Chemical Physics, 2019, 151, 044304.	1.2	13
111	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.	1.1	13
112	Sequential double Câ€“H functionalization of 2,5-norbornadiene in flow. Reaction Chemistry and Engineering, 2018, 3, 635-639.	1.9	12
113	Oxidation of benzyltins by oxovanadium(V) compound and molecular oxygen. Tetrahedron Letters, 2001, 42, 1961-1963.	0.7	11
114	Gold/Palladium Alloy for Carbonâ€“Halogen Bond Activation: An Unprecedented Halide Dependence. Chemistry - an Asian Journal, 2015, 10, 2669-2676.	1.7	11
115	Synthesis of Hydroxysumanene and Substituent Effect of Hydroxy Group on Bowl Inversion Dynamics and Electronic Structure. Journal of Organic Chemistry, 2016, 81, 11978-11981.	1.7	11
116	Theoretical study on the molecular stacking interactions and charge transport properties of triazasumanene crystals â€“ from explanation to prediction. Physical Chemistry Chemical Physics, 2021, 23, 4681-4689.	1.3	11
117	Preparation ofm-Acylphenol Derivatives by the Reaction of Tricarbonyl(cyclohexadienone)iron Complex and Higher Order Cuprates. Chemistry Letters, 1997, 26, 699-700.	0.7	10
118	Reductive esterification of aromatic aldehydes using Zn/Ac2O/imidazole or Zn/Yb(OTf)3/(RCO)2O system. Tetrahedron, 2003, 59, 10147-10152.	1.0	10
119	Chiral phenylazomethine cage. Tetrahedron Letters, 2012, 53, 783-785.	0.7	10
120	Jet spectroscopy of buckybowl: Electronic and vibrational structures in the S and S1 states of triphenylene and sumanene. Journal of Chemical Physics, 2013, 139, 044313.	1.2	10
121	Thermoelectric and Thermal Transport Properties in Sumanene Crystals. Chemistry Letters, 2018, 47, 524-527.	0.7	10
122	Dielectric response of 1,1-difluorosumanene caused by an in-plane motion. Materials Chemistry Frontiers, 2022, 6, 1752-1758.	3.2	10
123	Synthesis of the C₇₀ Fragment Buckybowl, Homosumanene, and Heterahomosumanenes via Ring-Expansion Reactions from Sumanenone. Journal of Organic Chemistry, 2022, 87, 2508-2519.	1.7	10
124	Synthesis of Aromatic Polyketones Bearing 1,1â€²-Binaphthyl-2,2â€²-dioxy Units through Suzukiâ€“Miyaura Coupling Polymerization. Chemistry Letters, 2011, 40, 1445-1446.	0.7	9
125	Dielectric and Sorption Responses of Hydrogen-Bonding Network of Amorphous C₆₀(OH)₁₂ and C₆₀(OH)₃₆. Journal of Physical Chemistry C, 2019, 123, 23545-23553.	1.5	9
126	Size-Controlled Preparation of Gold Nanoparticles Deposited on Surface-Fibrillated Cellulose Obtained by Citric Acid Modification. ACS Omega, 2020, 5, 33206-33213.	1.6	9

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127	Size-controlled preparation of gold nanoclusters stabilized by high-viscosity hydrophilic polymers using a microflow reactor. Monatshefte FÃ¼r Chemie, 2014, 145, 23-28.	0.9	8
128	Synthesis of thermally stable, wholly aromatic polyketones with 2,2â€²-dimethoxy-1,1â€²-binaphthyl-6,6â€²-diyl units through nanosized-palladium-cluster-catalyzed Suzukiâ€“Miyaura coupling polymerization. Reactive and Functional Polymers, 2014, 79, 24-28.	2.0	8
129	Size-Controlled Preparation of Gold Nanoclusters on Hydroxyapatite Through Trans-Deposition Method. Journal of Nanoscience and Nanotechnology, 2017, 17, 4649-4657.	0.9	8
130	Intramolecular Hydroamination by a Primary Amine of an Unactivated Alkene on Gold Nanoclusters: A DFT Study. ChemCatChem, 2017, 9, 4490-4500.	1.8	8
131	Molecular Arrangements of Corannulene and Sumanene in Singleâ€Walled Carbon Nanotubes. ChemNanoMat, 2018, 4, 557-561.	1.5	8
132	Control by one drop of solvent: selective preparation of guest release/trap-triggered interconvertible molecular crystals. Chemical Communications, 2020, 56, 9687-9690.	2.2	8
133	Excimer Formation of Aryl Iodides Chemisorbed on Gold Nanoparticles for the Significant Enhancement of Photoluminescence. Journal of Physical Chemistry Letters, 2020, 11, 1199-1203.	2.1	8
134	Tuning the sumanene receptor structure towards the development of potentiometric sensors. Dalton Transactions, 2022, 51, 468-472.	1.6	8
135	Nanosized palladium-catalyzed Suzukiâ€“Miyaura coupling polymerization: synthesis of soluble aromatic poly(ether ketone)s. Polymer Journal, 2013, 45, 401-405.	1.3	7
136	Electronic and vibrational structures in the S and S1 states of coronene. Journal of Chemical Physics, 2017, 146, 044309.	1.2	7
137	A Sumanene-based Aryne, â€œSumanyneâ€. Chemistry Letters, 2017, 46, 446-448.	0.7	7
138	Generation of â€œSumanenylideneâ€: A Groundâ€State Triplet Carbene on a Curved Ïâ€Conjugated Periphery. Chemistry - an Asian Journal, 2019, 14, 1844-1848.	1.7	7
139	Room-Temperature Reversible Chemisorption of Carbon Monoxide on Nickel(0) Complexes. Journal of the American Chemical Society, 2022, 144, 8818-8826.	6.6	7
140	One-Pot Synthesis of Unsymmetrical Ketones by the Reaction of Decacarbonyldimanganese with Two Kinds of Alkyllithiums. Bulletin of the Chemical Society of Japan, 1996, 69, 157-161.	2.0	6
141	Magnetic circular dichroism spectroscopy and electronic structures of C3 symmetry buckybowls. Chemical Physics Letters, 2013, 556, 188-194.	1.2	6
142	Synthesis of organosoluble and fluorescent aromatic polyketones bearing 1,1â€²-binaphthyl units through Suzukiâ€“Miyaura coupling polymerization. Polymer Bulletin, 2015, 72, 2903-2916.	1.7	6
143	Internal-peripheral Diosmylation of Sumanene Overcoming the Dearomatization Hurdle by the Distortion of the Curved Ï€-System. Chemistry Letters, 2018, 47, 736-739.	0.7	6
144	Gold Nanoparticles Stabilized by Molecular Fullerenols. ChemNanoMat, 2020, 6, 524-528.	1.5	6

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145	Crystal Structure and Complexation Behavior of Quinonediimine Bearing Thiadiazole Unit. Heterocycles, 2006, 68, 829.	0.4	6
146	TiCl4-Zn Induced Reductive Acylation of Ketones with Acylsilanes. Chemistry Letters, 2002, 31, 44-45.	0.7	5
147	Novel Zn/ZnI2-promoted cross-coupling of acrylic acid esters with arylaldehydes to Î±-aroyladipic acid esters. Chemical Communications, 2002, , 3048-3049.	2.2	5
148	Sumanenetrione Anions Generated by Electrochemical and Chemical Reduction. Chemistry Letters, 2014, 43, 1297-1299.	0.7	5
149	Gold/Palladium Bimetallic Nanoclusters for C-X Bond Activation: A Unique Effect of Gold. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2015, 73, 1130-1140.	0.0	5
150	Fe, Ru, and Os complexes with the same molecular framework: comparison of structures, properties and catalytic activities. Faraday Discussions, 2017, 198, 181-196.	1.6	5
151	Theoretical Study on Singlet Fission Dynamics in Sumanene-Fused Acene Dimers. Journal of Physical Chemistry C, 2020, 124, 19499-19507.	1.5	5
152	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.	2.0	5
153	Anti-Addition Mechanism in the Intramolecular Hydroalkoxylation of Alkenes Catalyzed by PVP-Stabilized Nanogold. Molecules, 2012, 17, 2579-2586.	1.7	4
154	Beam-induced graphitic carbon cage transformation from sumanene aggregates. Applied Physics Letters, 2014, 104, 043107.	1.5	4
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