

Hidehiro Sakurai

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Size-Specific Catalytic Activity of Polymer-Stabilized Gold Nanoclusters for Aerobic Alcohol Oxidation in Water. <i>Journal of the American Chemical Society</i> , 2005, 127, 9374-9375.	13.7	832
2	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
3	A Synthesis of Sumanene, a Fullerene Fragment. <i>Science</i> , 2003, 301, 1878-1878.	12.6	486
4	Colloidal Gold Nanoparticles as Catalyst for Carbon-Carbon Bond Formation: Application to Aerobic Homocoupling of Phenylboronic Acid in Water. <i>Langmuir</i> , 2004, 20, 11293-11296.	3.5	356
5	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
6	Pd/C as a Reusable Catalyst for the Coupling Reaction of Halophenols and Arylboronic Acids in Aqueous Media. <i>Journal of Organic Chemistry</i> , 2002, 67, 2721-2722.	3.2	248
7	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
8	Figuration of bowl-shaped π -conjugated molecules: properties and functions. <i>Materials Chemistry Frontiers</i> , 2018, 2, 635-661.	5.9	195
9	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
10	Synthesis of Sumanene and Related Buckybowls. <i>Chemistry Letters</i> , 2011, 40, 122-128.	1.3	166
11	Aerobic Oxidations Catalyzed by Colloidal Nanogold. <i>Chemistry - an Asian Journal</i> , 2011, 6, 736-748.	3.3	166
12	Enantioselective synthesis of a chiral nitrogen-doped bucky bowl. <i>Nature Communications</i> , 2012, 3, 891.	12.8	166
13	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
14	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, 20250-20253.	13.7	133
15	Asymmetric Synthesis of a Chiral Buckybowl, Trimethylsumanene. <i>Journal of the American Chemical Society</i> , 2008, 130, 8592-8593.	13.7	123
16	Electronic Properties of Trifluoromethylated Corannulenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11385-11388.	13.8	106
17	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
18	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.	3.2	84

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19	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
20	Where to bind in buckybowls? The dilemma of a metal ion. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3057.	2.8	80
21	<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
22	A Hydrogen-Bonded Hexagonal Buckybowl Framework. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15294-15298.	13.8	67
23	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
24	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
25	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.	2.8	59
26	Hexathioalkyl sumanenes: an electron-donating buckybowl as a building block for supramolecular materials. <i>Chemical Science</i> , 2017, 8, 8405-8410.	7.4	54
27	Oxovanadium(v)-catalyzed oxidative biaryl synthesis from organoborate under O ₂ . <i>Chemical Communications</i> , 2006, , 5042.	4.1	53
28	Synthesis of bimetallic gold-silver alloy nanoclusters by simple mortar grinding. <i>Nanoscale</i> , 2012, 4, 1280.	5.6	53
29	Fluorinated and Trifluoromethylated Corannulenes. <i>Chemistry - A European Journal</i> , 2013, 19, 13872-13880.	3.3	53
30	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
31	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
32	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
33	Observation of Zwitterionic dZirconium-Alkyl-Alkene Chelates: Models for Intermediates in Metallocene-Catalyzed Alkene Polymerizations. <i>Journal of the American Chemical Society</i> , 1999, 121, 9483-9484.	13.7	45
34	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
35	Oxidative Coupling of Organoboron Compounds. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 668-684.	2.7	45
36	Models for Intermediates in Metallocene-Catalyzed Alkene Polymerization: Alkene Dissociation from Cp ₂ Zr[1,1,1,2-CH ₂ Si(CH ₃) ₂ CH ₂ CH ₂][B(C ₆ F ₅) ₄]. <i>Organometallics</i> , 2001, 20, 4262-4265.	2.3	44

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37	Bowl Inversion and Electronic Switching of Buckybowls on Gold. <i>Journal of the American Chemical Society</i> , 2016, 138, 12142-12149.	13.7	44
38	Optical Resolution of Chiral Buckybowls by Chiral HPLC. <i>Chemistry Letters</i> , 2010, 39, 646-647.	1.3	42
39	Synthesis of an Enantiopure syn-Benzocyclootrimer through Regio-selective Cyclotrimerization of a Halonorborene Derivative under Palladium Nanocluster Conditions. <i>Chemistry Letters</i> , 2007, 36, 18-19.	1.3	40
40	Aerobic Oxygenation of Benzylic Ketones Promoted by a Gold Nanocluster Catalyst. <i>Synlett</i> , 2009, 2009, 245-248.	1.8	40
41	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.	2.8	40
42	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.	4.1	39
43	C-Cl 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.	3.1	39
44	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
45	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.	2.0	37
46	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
47	Triazasumanene: An Isoelectronic Heteroanalogue of Sumanene. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 531-537.	3.2	37
48	Stereoselective Cyclotrimerization of Enantiopure Iodonorborenes Catalyzed by Pd Nanoclusters for C ₃ or C ₃ v ₃ Symmetric syn-Tris(norboreno)benzenes. <i>Journal of Organic Chemistry</i> , 2010, 75, 4626-4628.	3.2	35
49	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
50	Synthesis of Substituted Sumanenes by Aromatic Electrophilic Substitution Reactions. <i>Chemistry Letters</i> , 2013, 42, 386-388.	1.3	34
51	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
52	The Synthesis of Hexafluorosumanene and Its Congeners. <i>Chemistry - A European Journal</i> , 2013, 19, 3282-3286.	3.3	33
53	Bissilyl Ketone; A Convenient Method for the Synthesis and Its Pd(0) Catalyzed Reaction with Alkenes and Alkynes. <i>Chemistry Letters</i> , 1996, 25, 841-842.	1.3	32
54	Palladium Catalyzed Coupling Reaction of Acylchromate Complexes and Allylic Bromides. <i>Chemistry Letters</i> , 1999, 28, 309-310.	1.3	32

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55	Oxovanadium(V)-Induced Vicinal Dialkylation of Cyclic Enones with Organozinc Compounds. <i>Organic Letters</i> , 2000, 2, 3659-3661.	4.6	32
56	Stereoelectronic Effect of Curved Aromatic Structures: Favoring the Unexpected <i>endo</i> Conformation of Benzylic-Substituted Sumanene. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7314-7316.	13.8	32
57	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
58	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
59	Universality of the giant Seebeck effect in organic small molecules. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1276-1283.	5.9	31
60	Synthesis of Triaryltriazasumanenes. <i>Chemistry Letters</i> , 2017, 46, 146-148.	1.3	29
61	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.	3.1	28
62	Correlation between bowl-inversion energy and bowl depth in substituted sumanenes. <i>Pure and Applied Chemistry</i> , 2014, 86, 747-753.	1.9	28
63	Anisotropic Contraction of a Polyaromatic Capsule and Its Cavity-Induced Compression Effect. <i>Journal of the American Chemical Society</i> , 2020, 142, 9599-9603.	13.7	28
64	Synthesis and characterization of p-phenylenediamine derivatives bearing a thiadiazole unit. <i>Tetrahedron Letters</i> , 2002, 43, 9009-9013.	1.4	27
65	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
66	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
67	Synthesis of a Bis(boronate) Compound Having Indacene Framework and Its Property as a Host Molecule for Dimethylaminopyridine. <i>Bulletin of the Chemical Society of Japan</i> , 1996, 69, 2585-2594.	3.2	26
68	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
69	A Novel Rearrangement of Chromium Allyloxy(aryl)carbene Complexes Catalyzed by Pd(0). <i>Chemistry Letters</i> , 1999, 28, 75-76.	1.3	25
70	Palladium-Catalyzed Synthesis of \pm -Diketones from Acylchromates, Iodoarenes, and Carbon Monoxide. <i>Chemistry Letters</i> , 2000, 29, 168-169.	1.3	25
71	Selective Synthesis of C_3 Symmetric Functionalized Sumanenes. <i>Chemistry Letters</i> , 2012, 41, 84-86.	1.3	25
72	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

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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. <i>Tetrahedron Letters</i> , 2005, 46, 8419-8422.	1.4	24
74	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.	13.7	24
75	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
76	Aryl iodides as strong inhibitors in gold and gold-based bimetallic quasi-homogeneous catalysis. <i>Chemical Communications</i> , 2013, 49, 2542.	4.1	22
77	Site-selective cation ⁺ interaction as a way of selective recognition of the caesium cation using sumanene-functionalized ferrocenes. <i>Dalton Transactions</i> , 2019, 48, 17147-17152.	3.3	22
78	Double Acylation of Alkenes with Acylchromates Promoted by Cationic Pd(II) Complex. <i>Chemistry Letters</i> , 2000, 29, 174-175.	1.3	21
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.	1.3	21
80	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
81	N ⁺ -type Superconductivity in an Organic Mott Insulator Induced by Light-Driven Electron ⁻ Doping. <i>Advanced Materials</i> , 2017, 29, 1606833.	21.0	21
82	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, 12724-12727.	4.1	20
83	Sumanene derivatives functionalized at the internal carbon. <i>Chemical Communications</i> , 2017, 53, 697-700.	4.1	20
84	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
85	Tris(ferrocenylmethidene)sumanene: synthesis, photophysical properties and applications for efficient caesium cation recognition in water. <i>Dalton Transactions</i> , 2020, 49, 9965-9971.	3.3	20
86	Disaggregation of a sumanene-containing fluorescent probe towards highly sensitive and specific detection of caesium cations. <i>Chemical Communications</i> , 2021, 57, 343-346.	4.1	20
87	Lewis acid-mediated Suzuki ⁻ Miyaura cross-coupling reaction. <i>Nature Catalysis</i> , 2021, 4, 1080-1088.	34.4	19
88	Oxidative Ligand Coupling of Tetraarylborates Promoted by Chlorosilane and Molecular Oxygen. <i>Chemistry Letters</i> , 2001, 30, 1084-1085.	1.3	18
89	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.	1.4	18
90	Mechanism of the aerobic oxidation of methanol to formic acid on Au ₈ ⁺ : A DFT study. <i>International Journal of Quantum Chemistry</i> , 2013, 113, 428-436.	2.0	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. <i>ACS Catalysis</i> , 2017, 7, 2998-3003.	11.2	18
92	A Hydrogen-Bonded Hexagonal Buckybowl Framework. <i>Angewandte Chemie</i> , 2017, 129, 15496-15500.	2.0	18
93	Oxidation of benzylsilanes and benzyltins by oxovanadium(V) compound and molecular oxygen. <i>Tetrahedron</i> , 2001, 57, 5073-5079.	1.9	17
94	Synthesis and oxidation of (benzimidazolylidene)Cr(CO) ₅ complexes. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 1750-1755.	1.8	17
95	Formal Lewis acidic character of gold nanocluster catalyst. <i>Pure and Applied Chemistry</i> , 2010, 82, 2005-2016.	1.9	17
96	Aerobic Oxidation of Cyclic Amines to Lactams Catalyzed by PVP-Stabilized Nanogold. <i>Synlett</i> , 2011, 2011, 1121-1124.	1.8	17
97	Molecular Packing and Solid-State Photophysical Properties of 1,3,6,8-Tetraalkylpyrenes. <i>Chemistry - A European Journal</i> , 2019, 25, 14817-14825.	3.3	17
98	Emission amplification by sumanene nanocrystals in an onigiri-type organic-organic assembly. <i>Chemical Communications</i> , 2012, 48, 9050.	4.1	16
99	Addition-versus-Oxygenative Cleavage: Two Contradictory Reactivities in the Reaction of <i>N</i> -Benzyl-4-pentenylamine Catalyzed by Colloidal Nanogold under Aerobic Conditions. <i>Chemistry Letters</i> , 2012, 41, 1328-1330.	1.3	16
100	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
101	Sumanenylferrocenes and their solid state self-assembly. <i>Dalton Transactions</i> , 2013, 42, 13809.	3.3	15
102	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
103	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
104	Columnar/herringbone dual crystal packing of pyrenylsumanene and its photophysical properties. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 841-847.	2.2	14
105	DFT Studies of Mechanism and Origin of Stereoselectivity of Palladium-Catalyzed Cyclotrimerization Reactions Affording <i>syn</i> -Tris(norborneno)benzenes. <i>Organometallics</i> , 2014, 33, 3060-3068.	2.3	14
106	Eclipsed Columnar Packing in Crystal Structure of Sumanenetrione. <i>Chemistry Letters</i> , 2014, 43, 1294-1296.	1.3	14
107	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.	10.2	14
108	The Dawn of Sumanene Chemistry: My Personal History with ĩ-Figuration. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1579-1587.	3.2	14

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109	Synthesis of Re(I) complexes bearing tridentate 2,6-bis(7-azaindolyl)phenyl ligand with green emission properties. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 1665-1674.	1.8	13
110	Infrared spectrum of hydrogenated corannulene $C_{20}H_{10}$ isolated in solid α -hydrogen. <i>Journal of Chemical Physics</i> , 2019, 151, 044304.	3.0	13
111	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.	2.5	13
112	Sequential double C-H functionalization of 2,5-norbornadiene in flow. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 635-639.	3.7	12
113	Oxidation of benzyltins by oxovanadium(V) compound and molecular oxygen. <i>Tetrahedron Letters</i> , 2001, 42, 1961-1963.	1.4	11
114	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
115	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
116	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.	2.8	11
117	Preparation of <i>m</i> -Acylphenol Derivatives by the Reaction of Tricarbonyl(cyclohexadienone)iron Complex and Higher Order Cuprates. <i>Chemistry Letters</i> , 1997, 26, 699-700.	1.3	10
118	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
119	Chiral phenylazomethine cage. <i>Tetrahedron Letters</i> , 2012, 53, 783-785.	1.4	10
120	Jet spectroscopy of buckybowl: Electronic and vibrational structures in the S_0 and S_1 states of triphenylene and sumanene. <i>Journal of Chemical Physics</i> , 2013, 139, 044313.	3.0	10
121	Thermoelectric and Thermal Transport Properties in Sumanene Crystals. <i>Chemistry Letters</i> , 2018, 47, 524-527.	1.3	10
122	Dielectric response of 1,1-difluorosumanene caused by an in-plane motion. <i>Materials Chemistry Frontiers</i> , 2022, 6, 1752-1758.	5.9	10
123	Synthesis of the C_{70} Fragment Buckybowl, Homosumanene, and Heterahomosumanenes via Ring-Expansion Reactions from Sumanenone. <i>Journal of Organic Chemistry</i> , 2022, 87, 2508-2519.	3.2	10
124	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
125	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.	3.1	9
126	Size-Controlled Preparation of Gold Nanoparticles Deposited on Surface-Fibrillated Cellulose Obtained by Citric Acid Modification. <i>ACS Omega</i> , 2020, 5, 33206-33213.	3.5	9

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127	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.	1.8	8
128	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.	4.1	8
129	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
130	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
131	Molecular Arrangements of Corannulene and Sumanene in Single-Walled Carbon Nanotubes. <i>ChemNanoMat</i> , 2018, 4, 557-561.	2.8	8
132	Control by one drop of solvent: selective preparation of guest release/trap-triggered interconvertible molecular crystals. <i>Chemical Communications</i> , 2020, 56, 9687-9690.	4.1	8
133	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.	4.6	8
134	Tuning the sumanene receptor structure towards the development of potentiometric sensors. <i>Dalton Transactions</i> , 2022, 51, 468-472.	3.3	8
135	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
136	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
137	A Sumanene-based Aryne, α -Sumanylene. <i>Chemistry Letters</i> , 2017, 46, 446-448.	1.3	7
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