

Tsukasa Matsuo

List of Publications by Year in descending order

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53
papers

1,750
citations

236925

25
h-index

276875

41
g-index

54
all docs

54
docs citations

54
times ranked

1333
citing authors

#	ARTICLE	IF	CITATIONS
1	A stable germanone as the first isolated heavy ketone with a terminal oxygen atom. <i>Nature Chemistry</i> , 2012, 4, 361-365.	13.6	154
2	A Planar Rhombic Charge-Separated Tetrasilacyclobutadiene. <i>Science</i> , 2011, 331, 1306-1309.	12.6	125
3	A New Binding Motif of Sterically Demanding Thiolates on a Gold Cluster. <i>Journal of the American Chemical Society</i> , 2012, 134, 14295-14297.	13.7	122
4	Boron- σ -Boron σ -Bond Formation by Two-Electron Reduction of a H-Bridged Dimer of Monoborane. <i>Journal of the American Chemical Society</i> , 2011, 133, 11058-11061.	13.7	84
5	A Stable Doubly Hydrogen-Bridged Butterfly-Shaped Diborane(4) Compound. <i>Journal of the American Chemical Society</i> , 2010, 132, 8258-8260.	13.7	78
6	π -Conjugated Phosphasilenes Stabilized by Fused-Ring Bulky Groups. <i>Journal of the American Chemical Society</i> , 2009, 131, 13222-13223.	13.7	74
7	Synthesis and Structures of a Series of Bulky σ -Rind-Br-Based on a Rigid Fused-Ring σ -Hydrindacene Skeleton. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 1178-1191.	3.2	72
8	Reactions of Diaryldibromodisilenes with N -Heterocyclic Carbenes: Formation of Formal Bis-NHC Adducts of Silyliumylidene Cations. <i>Chemistry - A European Journal</i> , 2014, 20, 9246-9249.	3.3	67
9	Room-Temperature Dissociation of 1,2-Dibromodisilenes to Bromosilylenes. <i>Journal of the American Chemical Society</i> , 2011, 133, 19710-19713.	13.7	66
10	Air-Stable, Room-Temperature Emissive Disilenes with π -Extended Aromatic Groups. <i>Journal of the American Chemical Society</i> , 2010, 132, 15162-15163.	13.7	55
11	π -Conjugated disilenes stabilized by fused-ring bulky σ -Rind-groups. <i>Dalton Transactions</i> , 2010, 39, 9203.	3.3	50
12	Fused-Ring Bulky σ -Rind-Groups Producing New Possibilities in Elemento-Organic Chemistry. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 1201-1220.	3.2	47
13	(Z)-1,2-Di(1-pyrenyl)disilene: Synthesis, Structure, and Intramolecular Charge-Transfer Emission. <i>Journal of the American Chemical Society</i> , 2016, 138, 758-761.	13.7	44
14	An Isolable Diborane(4) Compound with Terminal $B-H$ Bonds: Structural Characteristics and Electronic Properties. <i>Chemistry Letters</i> , 2014, 43, 1587-1589.	1.3	43
15	Coplanar Oligo(p -phenylenedisilylene)s as $Si-Si$ Analogues of Oligo(p -phenylenevinylene)s: Evidence for Extended π -Conjugation through the Carbon and Silicon π -Frameworks. <i>Journal of the American Chemical Society</i> , 2015, 137, 15026-15035.	13.7	42
16	The first observation of electroluminescence from di(2-naphthyl)disilene, an $Si=Si$ double bond-containing π -conjugated compound. <i>Chemical Communications</i> , 2012, 48, 1030-1032.	4.1	40
17	Reactions of a Niobium Nitride Complex Prepared from Dinitrogen: Synthesis of Imide and Ureate Complexes and Ammonia Formation. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3930-3936.	2.0	39
18	π -Electron systems containing $Si=Si$ double bonds. <i>Science and Technology of Advanced Materials</i> , 2018, 19, 108-129.	6.1	39

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19	Isolated Monomeric and Dimeric Mixed Diorganocuprates Based on the Size-Controllable Bulky σ -Rind σ -Ligands. <i>Journal of the American Chemical Society</i> , 2009, 131, 18024-18025.	13.7	38
20	Activation of Dihydrogen by Masked Doubly Bonded Aluminum Species. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12877-12880.	13.8	38
21	A Silylyne Tungsten Complex Having an Eind Group on Silicon: Its Dimer \rightleftharpoons Monomer Equilibrium and Cycloaddition Reactions with Carbodiimide and Diaryl Ketones. <i>Organometallics</i> , 2016, 35, 3444-3447.	2.3	34
22	Cleavage of a P=P Double Bond Mediated by N \rightleftharpoons Heterocyclic Carbenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5765-5769.	13.8	29
23	Neutral and Cationic Gold(I) Complexes with π -Conjugated Phosphasilene Ligands. <i>Organometallics</i> , 2011, 30, 3453-3456.	2.3	28
24	π -conjugated phosphasilenes stabilized by fused-ring bulky σ -Rind σ -groups. <i>Comptes Rendus Chimie</i> , 2010, 13, 1104-1110.	0.5	27
25	A Convenient Route to Synthetic Analogues of the Oxidized Form of High-Potential Iron \rightleftharpoons Sulfur Proteins. <i>Inorganic Chemistry</i> , 2014, 53, 4000-4009.	4.0	27
26	A stable free tetragermacyclobutadiene incorporating fused-ring bulky EMind groups. <i>Chemical Communications</i> , 2018, 54, 2200-2203.	4.1	26
27	Highly Coplanar (<i>E</i>)-1,2-Di(1-naphthyl)disilene Involving a Distinct CH \rightleftharpoons π Interaction with the Perpendicularly Oriented Protecting Eind Group. <i>Chemistry Letters</i> , 2014, 43, 432-434.	1.3	25
28	A Square \rightleftharpoons Planar Complex of Platinum(0). <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15347-15350.	13.8	25
29	Unsymmetrical PNP-Pincer Type Phosphaalkene Ligands Protected by a Fused-Ring Bulky Eind Group: Synthesis and Applications to Rh(I) and Ir(I) Complexes. <i>Organometallics</i> , 2016, 35, 1526-1533.	2.3	22
30	1,2-Dihalodigermenes bearing bulky Eind groups: synthesis, characterization, and conversion to halogermolenoids. <i>Dalton Transactions</i> , 2018, 47, 814-822.	3.3	22
31	The Synthesis of Highly Coplanar Oligothiophenes Induced by Bulky Rind Groups. <i>Chemistry - an Asian Journal</i> , 2011, 6, 350-354.	3.3	20
32	Synthesis and Structural Characteristics of Discrete Organoboron and Organoaluminum Hydrides Incorporating Bulky Eind Groups. <i>Organometallics</i> , 2016, 35, 3397-3405.	2.3	15
33	Synthesis and Characterization of N-Heterocyclic Carbene-Coordinated Silicon Compounds Bearing a Fused-Ring Bulky Eind Group. <i>Inorganics</i> , 2018, 6, 30.	2.7	13
34	Synthesis and Characterization of Diphosphenes Bearing Fused \rightleftharpoons Ring Bulky Rind Groups. <i>Heteroatom Chemistry</i> , 2014, 25, 612-618.	0.7	11
35	Extremely active π -olefin polymerization and copolymerization with ethylene catalyzed by a dMAO-activated zirconium(ν) dichloro complex having an [OSSO]-type ligand. <i>RSC Advances</i> , 2015, 5, 88826-88831.	3.6	11
36	Reactions of a Silylyne Complex with Aldehydes: Formation of W \rightleftharpoons Si \rightleftharpoons O \rightleftharpoons C Four \rightleftharpoons Membered Metallacycles and Their Metathesis \rightleftharpoons Like Fragmentation. <i>Chemistry - A European Journal</i> , 2019, 25, 3795-3798.	3.3	11

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37	Cleavage of a P=P Double Bond Mediated by N-Heterocyclic Carbenes. <i>Angewandte Chemie</i> , 2017, 129, 5859-5863.	2.0	10
38	Synthesis and Magnetic Properties of Linear Two-coordinate Monomeric Diaryliron(II) Complexes Bearing Fused-ring Bulky Rind Groups. <i>Chemistry Letters</i> , 2016, 45, 634-636.	1.3	9
39	Synthesis and Structural Characterization of Lithium and Titanium Complexes Bearing a Bulky Aryloxo Ligand Based on a Rigid Fused-Ring <i>s</i> -Hydrindacene Skeleton. <i>Inorganic Chemistry</i> , 2016, 55, 6643-6652.	4.0	9
40	Air- and Moisture-Stable <i>p</i> -Monothiobenzoquinones Incorporated in an Octaalkyl- <i>s</i> -hydrindacene Skeleton. <i>Organic Letters</i> , 2011, 13, 2666-2669.	4.6	8
41	π -Conjugation between a Si-Si Double Bond and Thiophene Rings: Synthesis, Structural Characteristics, and Photophysical Properties of 1,2-Bis(thiophen-2-yl)disilene and 1,2-Bis(2,2'-bithiophen-5-yl)disilene. <i>Organometallics</i> , 2017, 36, 3226-3233.	2.3	8
42	Coordination Chemistry and Organic Synthesis Utilizing Cycloalkane-1,2-dithiol. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011, 186, 1169-1174.	1.6	7
43	A Square-Planar Complex of Platinum(0). <i>Angewandte Chemie</i> , 2016, 128, 15573-15576.	2.0	7
44	Comparison of the Chemical Bonding in $(\text{Eind})_2\text{Ge}=\text{E}$ (E = O and S): Synthesis and Characterization of Germanethione Bearing Bulky Eind Groups. <i>Chemistry Letters</i> , 2020, 49, 141-144.	1.3	7
45	Products of [2+2] Cycloaddition between a W-Si Triple-bonded Complex and Alkynes: Isolation, Structure, and Non-classical Bonding Interaction. <i>Chemistry Letters</i> , 2020, 49, 311-314.	1.3	6
46	Synthesis and Structures of Sterically Congested Diarylsilanes Bearing Two Bulky Rind Groups. <i>Chemistry Letters</i> , 2016, 45, 409-411.	1.3	5
47	Thermally Stable Monosubstituted Thiophene 1-Oxide and 1-Imides Stabilized by a Bulky Rind Group at Their 3-Position: Synthesis, Structure, and Inversion Barriers on the Sulfur Atom. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 697-705.	3.2	4
48	Reaction of Dialumane Incorporating Bulky Eind Groups with Pyridines. <i>Inorganics</i> , 2019, 7, 129.	2.7	3
49	Synthesis and Characterization of a Series of Diarylgermylenes and Dihalodigermenes Having Fused-Ring Bulky Rind Groups. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1931-1939.	3.2	2
50	A Series of Room-Temperature Thermally Stable Bromostannylenes Bearing the Bulky Rind Group: Synthesis, Characterization, and Crystal Structures. <i>Organometallics</i> , 2021, 40, 1956-1965.	2.3	1
51	Reactions of a Niobium Nitride Complex Prepared from Dinitrogen: Synthesis of Imide and Urate Complexes and Ammonia Formation (<i>Eur. J. Inorg. Chem.</i> 22/23/2013). <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, .	2.0	0
52	Innentitelbild: Activation of Dihydrogen by Masked Doubly Bonded Aluminum Species (<i>Angew. Chem.</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.6	0
53	Formation and Reactions of Ge=O Double-bonded Species Bearing EMind Groups. <i>Chemistry Letters</i> , 2022, 51, 828-831.	1.3	0