Takahiro Iwamoto

List of Publications by Year
in descending order

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36 papers	3,553 citations	218677 26 h-index	276875 41 g-index
45 all docs	45 docs citations	45 times ranked	1795 citing authors

#	Article	IF	Citations
1	Experimental Observation of Î²-Carbon Elimination from Alkenylrhodium Complexes through Exchange Reactions of the Alkenyl Unit. Organometallics, 2022, 41, 182-186.	2.3	3
2	Development of P- and N-Chirogenic Ligands Based on Chiral Induction from a Phosphorus Donor to a Nitrogen Donor in Palladium Complexes. Organometallics, 2020, 39, 1672-1677.	2.3	5
3	Endergonic addition of N-methylamines to aromatic ketones driven by photochemical offset of the entropic cost. Chemical Communications, 2019, 55, 11683-11686.	4.1	5
4	Iron-Catalyzed Cross Coupling of Aryl Chlorides with Alkyl Grignard Reagents: Synthetic Scope and FeII/FeIV Mechanism Supported by X-ray Absorption Spectroscopy and Density Functional Theory Calculations. Bulletin of the Chemical Society of Japan, 2019, 92, 381-390.	3.2	16
5	Iron-catalysed enantioselective Suzukiâ€“Miyaura coupling of racemic alkyl bromides. Chemical Communications, 2019, 55, 1128-1131.	4.1	56
6	Metalated Amino Acids and Peptides: A Key Functional Platform for Applications to Controlled Metal Array Fabrication and Supramolecular Catalysts. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2018, 76, 1010-1023.	0.1	0
7	Shortest Doubleâ€Walled Carbon Nanotubes Composed of Cycloparaphenylenes. ChemPlusChem, 2017, 82, 1015-1020.	2.8	61
8	DFT and AFIR Study on the Mechanism and the Origin of Enantioselectivity in Iron-Catalyzed Cross-Coupling Reactions. Journal of the American Chemical Society, 2017, 139, 16117-16125.	13.7	74
9	Ironâ€Catalyzed antiâ€Selective Carbosilylation of Internal Alkynes. Angewandte Chemie - International Edition, 2017, 56, 13298-13301.	13.8	35
10	Ironâ€Catalyzed anti â€Selective Carbosilylation of Internal Alkynes. Angewandte Chemie, 2017, 129, 13483-13486.	2.0	6
11	ONO-pincer ruthenium complex-bound norvaline for efficient catalytic oxidation of methoxybenzenes with hydrogen peroxide. Organic and Biomolecular Chemistry, 2016, 14, 7468-7479.	2.8	17
12	Investigation of Organoiron Catalysis in Kumadaâ€“Tamaoâ€“Corriu-Type Cross-Coupling Reaction Assisted by Solution-Phase X-ray Absorption Spectroscopy. Bulletin of the Chemical Society of Japan, 2015, 88, 410-418.	3.2	46
13	Ligandâ€Controlled Synthesis of [3]â€•and [4]Cycloâ€9,9â€dimethylâ€2,7â€fluorenes through Triangleâ€•and Squareâ€Shaped Platinum Intermediates. Chemistry - A European Journal, 2015, 21, 18939-18943.	3.3	48
14	Radical Ions of Cyclopyrenylene: Comparison of Spectral Properties with Cycloparaphenylene. Journal of Physical Chemistry A, 2015, 119, 4136-4141.	2.5	8
15	Iron Fluoride/N-Heterocyclic Carbene Catalyzed Cross CouplingÂ-between Deactivated Aryl Chlorides and Alkyl Grignard Reagents with or without Î²-Hydrogens. Synthesis, 2015, 47, 1733-1740.	2.3	35
16	Ruthenium-Porphyrin-Catalyzed [4 + 2] Cycloaddition of Î±,Î²-Unsaturated Imines and Aldehydes. Organic Letters, 2015, 17, 5284-5287.	4.6	19
17	Effect of co-managing organic waste using municipal wastewater and solid waste treatment systems in megacities. Water Science and Technology, 2014, 69, 1159-1166.	2.5	6
18	Organoplatinumâ€Mediated Synthesis of Cyclic Ïâ€Conjugated Molecules: Towards a New Era of Threeâ€Dimensional Aromatic Compounds. Chemical Record, 2014, 14, 84-100.	5.8	204

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19	Partial Charge Transfer in the Shortest Possible Metallofullerene Peapod, La@C₈₂âŠ‚[11]Cycloparaphenylene. Chemistry - A European Journal, 2014, 20, 14403-14409.	3.3	118
20	Regio- and Diastereoselective Nickel-Catalyzed Cycloaddition of Activated Cyclopropanes with Allenes. Synlett, 2014, 25, 2281-2284.	1.8	13
21	Properties of Sizeable [n]Cycloparaphenylenes as Molecular Models of Singleâ€Wall Carbon Nanotubes Elucidated by Raman Spectroscopy: Structural and Electronâ€Transfer Responses under Mechanical Stress. Angewandte Chemie - International Edition, 2014, 53, 7033-7037.	13.8	77
22	Synthesis, Characterization, and Properties of [4]Cycloâ€2,7â€pyrenylene: Effects of Cyclic Structure on the Electronic Properties of Pyrene Oligomers. Angewandte Chemie - International Edition, 2014, 53, 6430-6434.	13.8	138
23	Electron Transfer in a Supramolecular Associate of a Fullerene Fragment. Angewandte Chemie - International Edition, 2014, 53, 2170-2175.	13.8	52
24	Synthesis, Characterization, and Properties of [4]Cycloâ€2,7â€pyrenylene: Effects of Cyclic Structure on the Electronic Properties of Pyrene Oligomers. Angewandte Chemie, 2014, 126, 6548-6552.	2.0	54
25	Radical Ions of Cycloparaphenylenes: Size Dependence Contrary to the Neutral Molecules. Journal of Physical Chemistry Letters, 2014, 5, 2302-2305.	4.6	48
26	Chameleon-like behaviour of cyclo[n]paraphenylenes in complexes with C₇₀: on their impressive electronic and structural adaptability as probed by Raman spectroscopy. Faraday Discussions, 2014, 173, 157-171.	3.2	30
27	Properties of Triplet-Excited [n]Cycloparaphenylenes (n = 8â€“12): Excitation Energies Lower than Those of Linear Oligomers and Polymers. Journal of Physical Chemistry A, 2014, 118, 4527-4532.	2.5	56
28	New Organic Chemistry of Three-Dimensional ^|^pi;-Conjugated Compounds. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2014, 72, 992-1005.	0.1	5
29	Synthesis and physical properties of a ball-like three-dimensional Ï€-conjugated molecule. Nature Communications, 2013, 4, 2694.	12.8	139
30	Sizeâ€and Orientationâ€Selective Encapsulation of C₇₀ by Cycloparaphenylenes. Chemistry - A European Journal, 2013, 19, 14061-14068.	3.3	197
31	Selective Synthesis of [6]-, [8]-, and [10]Cycloparaphenylenes. Chemistry Letters, 2013, 42, 621-623.	1.3	100
32	Enhancement of the Quinoidal Character for Smaller [n]Cycloparaphenylenes Probed by Raman Spectroscopy. ChemPhysChem, 2013, 14, 1570-1572.	2.1	49
33	Size-dependent fluorescence properties of [n]cycloparaphenylenes (n = 8â€“13), hoop-shaped Ï€-conjugated molecules. Physical Chemistry Chemical Physics, 2012, 14, 14585.	2.8	150
34	Selective and Random Syntheses of [n]Cycloparaphenylenes (n = 8â€“13) and Size Dependence of Their Electronic Properties. Journal of the American Chemical Society, 2011, 133, 8354-8361.	13.7	445
35	Sizeâ€Selective Encapsulation of C₆₀ by [10]Cycloparaphenylene: Formation of the Shortest Fullereneâ€Peapod. Angewandte Chemie - International Edition, 2011, 50, 8342-8344.	13.8	407
36	Synthesis of [8]Cycloparaphenylene from a Squareâ€Shaped Tetranuclear Platinum Complex. Angewandte Chemie - International Edition, 2010, 49, 757-759.	13.8	497