

Iwao Omae

List of Publications by Year in descending order

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43
papers

3,084
citations

304743

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40
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47
all docs

47
docs citations

47
times ranked

2837
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments in carbon dioxide utilization for the production of organic chemicals. <i>Coordination Chemistry Reviews</i> , 2012, 256, 1384-1405.	18.8	526
2	Aspects of carbon dioxide utilization. <i>Catalysis Today</i> , 2006, 115, 33-52.	4.4	430
3	Organometallic intramolecular-coordination compounds containing a nitrogen donor ligand. <i>Chemical Reviews</i> , 1979, 79, 287-321.	47.7	337
4	Intramolecular five-membered ring compounds and their applications. <i>Coordination Chemistry Reviews</i> , 2004, 248, 995-1023.	18.8	266
5	Recent studies on organometallic intramolecular-coordination compounds. <i>Coordination Chemistry Reviews</i> , 1988, 83, 137-167.	18.8	216
6	Organometallic intramolecular-coordination compounds containing a phosphorus donor ligand. <i>Coordination Chemistry Reviews</i> , 1980, 32, 235-271.	18.8	123
7	Transition metal-catalyzed cyclocarbonylation in organic synthesis. <i>Coordination Chemistry Reviews</i> , 2011, 255, 139-160.	18.8	112
8	Application of the five-membered ring blue light-emitting iridium products of cyclometalation reactions as OLEDs. <i>Coordination Chemistry Reviews</i> , 2016, 310, 154-169.	18.8	106
9	Applications of five-membered ring products of cyclometalation reactions as anticancer agents. <i>Coordination Chemistry Reviews</i> , 2014, 280, 84-95.	18.8	96
10	Organometallic intramolecular-coordination compounds. Recent aspects in the study of sulfur donor ligands. <i>Coordination Chemistry Reviews</i> , 1979, 28, 97-115.	18.8	93
11	Three types of reactions with intramolecular five-membered ring compounds in organic synthesis. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 2608-2632.	1.8	91
12	Three characteristic reactions of organocobalt compounds in organic synthesis. <i>Applied Organometallic Chemistry</i> , 2007, 21, 318-344.	3.5	88
13	Organometallic intramolecular-coordination compounds containing an arsine donor ligand. <i>Coordination Chemistry Reviews</i> , 1982, 42, 245-257.	18.8	60
14	Agostic bonds in cyclometalation. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1128-1145.	1.8	43
15	Organometallic intramolecular-coordination compounds containing a cyclopentadienyl donor ligand. <i>Coordination Chemistry Reviews</i> , 1982, 42, 31-54.	18.8	37
16	The Crystal and Molecular Structure of an Isomer of Bis-(1,2-diethoxycarbonyl-ethyl)tin Dibromide. <i>Bulletin of the Chemical Society of Japan</i> , 1968, 41, 1113-1119.	3.2	36
17	Organometallic intramolecular-coordination compounds containing a π -allyl donor ligand. <i>Coordination Chemistry Reviews</i> , 1984, 53, 261-291.	18.8	36
18	Three characteristic reactions of alkynes with metal compounds in organic synthesis. <i>Applied Organometallic Chemistry</i> , 2008, 22, 149-166.	3.5	36

#	ARTICLE	IF	CITATIONS
19	Organometallic intramolecular-coordination compounds containing a diolefin donor ligand. <i>Coordination Chemistry Reviews</i> , 1983, 51, 1-39.	18.8	34
20	Application of five-membered ring products of cyclometalation reactions as sensing materials in sensing devices. <i>Journal of Organometallic Chemistry</i> , 2016, 823, 50-75.	1.8	34
21	Organometallic Intramolecular π -Olefin-Metal Coordination Compounds. <i>Angewandte Chemie International Edition in English</i> , 1982, 21, 889-902.	4.4	32
22	Title is missing!. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 1982, 40, 147-157.	0.1	27
23	The Direct Reaction between Tin Foil and Diethyl Halosuccinates. <i>The Journal of the Society of Chemical Industry Japan</i> , 1966, 69, 646-649.	0.1	19
24	Studies of organometallic compounds The five-membered ring structure of organotin containing dicarboxylic esters. <i>Journal of Organometallic Chemistry</i> , 1969, 18, 95-104.	1.8	19
25	Characteristic reactions of group 9 transition metal compounds in organic synthesis. <i>Applied Organometallic Chemistry</i> , 2009, 23, 91-107.	3.5	19
26	Unconventional Cyclometalation Reactions. <i>Current Organic Chemistry</i> , 2014, 18, 2776-2795.	1.6	18
27	Studies of organometallic compounds XXXIII. Bromination of [2,3-bis(ethoxycarbonyl)propyl]tri-n-butyltin and hydrolyses of its monobromination product. <i>Journal of Organometallic Chemistry</i> , 1970, 22, 623-626.	1.8	15
28	Organometall-Verbindungen mit intramolekularer π -Olefin-Metall-Koordination. <i>Angewandte Chemie</i> , 2006, 94, 902-915.	2.0	15
29	The Direct Reaction between Tin Foil and Dialkyl Halodibasic Esters. <i>The Journal of the Society of Chemical Industry Japan</i> , 1967, 70, 705-709.	0.1	12
30	Applications of six-membered ring products from cyclometalation reactions. <i>Journal of Organometallic Chemistry</i> , 2017, 848, 184-195.	1.8	12
31	Applications of cyclometalation reaction five-membered ring products. <i>Journal of Organometallic Chemistry</i> , 2018, 869, 88-105.	1.8	12
32	XXI. Synthesis of Organotin Compounds Containing Dialkyl Dibasic Acid Esters. <i>The Journal of the Society of Chemical Industry Japan</i> , 1967, 70, 1755-1758.	0.1	11
33	XXII. By-Products of Direct Reactions between Tin and Dialkyl Bromosuccinates. <i>The Journal of the Society of Chemical Industry Japan</i> , 1967, 70, 1759-1761.	0.1	11
34	Applications of Cyclometalation Five-Membered Ring Products and Intermediates as Catalytic Agents. <i>Modern Research in Catalysis</i> , 2016, 05, 51-74.	1.7	11
35	Studies of organometallic compounds. <i>Journal of Organometallic Chemistry</i> , 1970, 24, 663-666.	1.8	10
36	FIVE-MEMBERED RING COMPOUNDS IN ORGANOMETALLIC INTRAMOLECULAR-COORDINATION COMPOUNDS. Phosphorus, Sulfur and Silicon and the Related Elements, 2004, 179, 891-897.	1.6	10

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37	Carbon Dioxide Utilization by the Five-Membered Ring Products of Cyclometalation Reactions. Current Organic Chemistry, 2016, 20, 953-962.	1.6	10
38	Application of the five-membered ring products of cyclometalation reactions for hydrogen production. Journal of Organometallic Chemistry, 2017, 841, 12-30.	1.8	9
39	Application of the Five-Membered Ring Ruthenium Products of Cyclometalation Reactions for Manufacturing Dye-Sensitized Solar Cells. Current Organic Chemistry, 2016, 20, 2848-2864.	1.6	8
40	Carbonyl group-containing organometallic intramolecular coordination five-membered ring compounds. Applied Organometallic Chemistry, 2010, 24, 347-365.	3.5	3
41	Applications of Five-Membered Ring Products as Catalysts in Cyclometalation Reactions. , 2014, , 139-179.		1
42	Applications of Cyclometalation Reactions and Five-Membered Ring Products for Synthetic Purposes. , 2014, , 87-137.		0
43	Characteristics of Cyclometalation Reactions for Organometallic Intramolecular-Coordination Five-Membered Ring Compounds. , 2014, , 33-54.		0