

# Kei Murakami

## List of Publications by Year in descending order

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60  
papers

3,341  
citations

159525

30  
h-index

149623

56  
g-index

93  
all docs

93  
docs citations

93  
times ranked

3069  
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic Methods for Aromatic C–H Amination: An Ideal Strategy for Nitrogen-Based Functional Molecules. <i>ACS Catalysis</i> , 2016, 6, 610-633.	5.5	456
2	C–H Functionalization of Azines. <i>Chemical Reviews</i> , 2017, 117, 9302-9332.	23.0	406
3	Polycyclic Arene Synthesis by Annulative $\pi$ -Extension. <i>Journal of the American Chemical Society</i> , 2019, 141, 3-10.	6.6	185
4	Metal-Free Approach to Biaryls from Phenols and Aryl Sulfoxides by Temporarily Sulfur-Tethered Regioselective C–H/C–H Coupling. <i>Journal of the American Chemical Society</i> , 2016, 138, 14582-14585.	6.6	157
5	Catalytic C–H Imidation of Aromatic Cores of Functional Molecules: Ligand-Accelerated Cu Catalysis and Application to Materials- and Biology-Oriented Aromatics. <i>Journal of the American Chemical Society</i> , 2015, 137, 2460-2463.	6.6	136
6	Synthesis of partially and fully fused polyaromatics by annulative chlorophenylene dimerization. <i>Science</i> , 2018, 359, 435-439.	6.0	127
7	Practical, Modular, and General Synthesis of Benzofurans through Extended Pummerer Annulation/Cross-Coupling Strategy. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7510-7513.	7.2	108
8	Palladium-Catalyzed Amination of Aryl Sulfides with Anilines. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9329-9333.	7.2	103
9	Catalytic Dehydrogenative C–H Imidation of Arenes Enabled by Photo-generated Hole Donation to Sulfonimide. <i>Chem</i> , 2017, 2, 383-392.	5.8	86
10	Transition-Metal-Free Synthesis of Carbazoles and Indoles by an $S_NAr$ -Based $\alpha$ -Aromatic Metamorphosis of Thiarenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10234-10238.	7.2	80
11	Recent advances in transition-metal-catalyzed intermolecular carbomagnesiation and carbozincation. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 278-302.	1.3	75
12	Chromium-Catalyzed Arylmagnesiation of Alkynes. <i>Organic Letters</i> , 2007, 9, 1569-1571.	2.4	71
13	Regiodivergent Cross-Dehydrogenative Coupling of Pyridines and Benzoxazoles: Discovery of Organic Halides as Regio-Switching Oxidants. <i>Organic Letters</i> , 2016, 18, 2415-2418.	2.4	65
14	Switchable Divergent Synthesis Using Photocatalysis. <i>ACS Catalysis</i> , 2022, 12, 1857-1878.	5.5	62
15	Cobalt-Catalyzed Arylzincation of Alkynes. <i>Organic Letters</i> , 2009, 11, 2373-2375.	2.4	61
16	Zinc-Catalyzed Nucleophilic Substitution Reaction of Chlorosilanes with Organomagnesium Reagents. <i>Journal of Organic Chemistry</i> , 2009, 74, 1415-1417.	1.7	60
17	Cu-Catalyzed aromatic C–H imidation with N-fluorobenzenesulfonimide: mechanistic details and predictive models. <i>Chemical Science</i> , 2017, 8, 988-1001.	3.7	57
18	Silver-Catalyzed Transmetalation between Chlorosilanes and Aryl and Alkenyl Grignard Reagents for the Synthesis of Tetraorganosilanes. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5833-5835.	7.2	52

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19	Palladium-Catalyzed Cross-Coupling of Unactivated Aryl Sulfides with Arylzinc Reagents under Mild Conditions. <i>Chemistry - A European Journal</i> , 2014, 20, 13146-13149.	1.7	46
20	Sigmatropic Dearomatization/Defluorination Strategy for C-F Transformation: Synthesis of Fluorinated Benzofurans from Polyfluorophenols. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14230-14234.	7.2	42
21	Aromatic Metamorphosis of Dibenzothiophenes. <i>Synlett</i> , 2016, 27, 1765-1774.	1.0	41
22	Synthesis of octagon-containing molecular nanocarbons. <i>Chemical Science</i> , 2022, 13, 1848-1868.	3.7	39
23	Aromatic C-H amination: a radical approach for adding new functions into biology- and materials-oriented aromatics. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6071-6075.	1.5	37
24	Rhodium-Catalyzed Arylzincation of Terminal Allenes Providing Allylzinc Reagents and Its Application to Versatile Three-component Coupling Reaction. <i>Journal of the American Chemical Society</i> , 2010, 132, 8878-8879.	6.6	36
25	Creation of negatively curved polyaromatics enabled by annulative coupling that forms an eight-membered ring. <i>Nature Catalysis</i> , 2020, 3, 710-718.	16.1	36
26	A General Approach to the Basiliolide/Transtaganolide Natural Products: Total Syntheses of Basiliolide...B, <i>Chemie - International Edition</i> , 2011, 50, 3688-3691.	3.8	33
27	Late-Stage Functionalization of Arylacetic Acids by Photoredox-Catalyzed Decarboxylative Carbon-Heteroatom Bond Formation. <i>Chemistry - A European Journal</i> , 2018, 24, 9254-9258.	1.7	33
28	Demetalation of Metal Porphyrins via Magnesium Porphyrins by Reaction with Grignard Reagents. <i>Chemistry - A European Journal</i> , 2013, 19, 9123-9126.	1.7	33
29	Cobalt-Catalyzed Benzylzincation of Alkynes. <i>Chemistry - A European Journal</i> , 2010, 16, 7688-7691.	1.7	32
30	Copper-Catalyzed Extended Pummerer Reactions of Ketene Dithioacetal Monoxides with Alkynyl Sulfides and Ynamides with an Accompanying Oxygen Rearrangement. <i>Chemistry - A European Journal</i> , 2013, 19, 5625-5630.	1.7	32
31	Two-Step, Practical, and Diversity-Oriented Synthesis of Multisubstituted Benzofurans from Phenols through Pummerer Annulation Followed by Cross-coupling. <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 1349-1366.	2.0	32
32	Dehydrogenative Synthesis of 2,2'-Bipyridyls through Regioselective Pyridine Dimerization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8341-8345.	7.2	29
33	Synthesis of Polybenzoacenes: Annulative Dimerization of Phenylene Triflate by Twofold C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6551-6554.	7.2	29
34	Silver-Catalyzed Benzoylation and Allylation of Tertiary Alkyl Bromides with Organozinc Reagents. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1487-1493.	1.7	28
35	Activator-Free Palladium-Catalyzed Silylation of Aryl Chlorides with Silylsilatrane. <i>Chemistry - an Asian Journal</i> , 2015, 10, 219-224.	1.7	27
36	Photoredox-Catalyzed Decarboxylative Oxidation of Arylacetic Acids. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2410-2413.	1.7	25

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37	Nickel-catalyzed NHC-Catalyzed Cross-Coupling of 2-Methylsulfanylbenzofurans with Alkyl Grignard Reagents. <i>Synlett</i> , 2015, 26, 327-330.	1.0	24
38	Amination of <i>meso</i> -Bromoporphyrins and Haloanthracenes with Diarylamines Catalyzed by a Palladium-PEPPSI Complex. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 1066-1071.	1.3	23
39	Photoredox-Catalyzed Benzylic Esterification via Radical-Polar Crossover. <i>Organic Letters</i> , 2021, 23, 5113-5117.	2.4	23
40	Generation of rhodium enolates via retro-aldol reaction and its application to regioselective aldol reaction. <i>Tetrahedron Letters</i> , 2008, 49, 2388-2390.	0.7	22
41	Copper-Catalyzed Arylation of Chlorosilanes with Grignard Reagents. <i>Bulletin of the Chemical Society of Japan</i> , 2009, 82, 1012-1014.	2.0	20
42	Direct Coupling of Naphthalene and Sulfonimides Promoted by DDQ and Blue Light. <i>Chemistry Letters</i> , 2017, 46, 1014-1016.	0.7	19
43	Annulative Synthesis of Benzofurans from General Alkenyl Sulfoxides and Phenols via Pummerer/Sigmatropic Cascade. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 302-311.	2.0	19
44	Roles of Base in the Pd-Catalyzed Annulative Chlorophenylene Dimerization. <i>ACS Catalysis</i> , 2020, 10, 3059-3073.	5.5	16
45	Palladium-catalyzed C-H Arylation of Pyridines with Aryl Triflates. <i>Chemistry Letters</i> , 2016, 45, 529-531.	0.7	15
46	Sigmatropic Dearomatization/Defluorination Strategy for C-F Transformation: Synthesis of Fluorinated Benzofurans from Polyfluorophenols. <i>Angewandte Chemie</i> , 2018, 130, 14426-14430.	1.6	14
47	Nickel-catalyzed Carbometalation Reactions of [2-(1-Propynyl)phenyl]methanol with 1-Alkenylmagnesium Reagents. <i>Chemistry Letters</i> , 2007, 36, 1066-1067.	0.7	11
48	C-H Acyloxylation of Polycyclic Aromatic Hydrocarbons. <i>Organic Letters</i> , 2022, 24, 602-607.	2.4	11
49	Gold-catalyzed C-H Imidation of Polycyclic Aromatic Hydrocarbons. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1372-1375.	1.3	9
50	Synthesis of Polybenzoacenes: Annulative Dimerization of Phenylene Triflate by Twofold C-H Activation. <i>Angewandte Chemie</i> , 2020, 132, 6613-6616.	1.6	9
51	Practical and Scalable Syntheses of Substituted Ketene Dithioacetal Monoxides. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 1193-1195.	2.0	8
52	Photoinduced Arylation of Carbazoles With Aryldiazonium Salts. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 1428-1431.	1.3	7
53	Rapid Access to Kinase Inhibitor Pharmacophores by Regioselective C-H Arylation of Thieno[2,3-d]pyrimidine. <i>Organic Letters</i> , 2020, 22, 1547-1551.	2.4	7
54	Discovery of bactericides as an acute mitochondrial membrane damage inducer. <i>Molecular Biology of the Cell</i> , 2021, 32, ar32.	0.9	6

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55	Identification of stomatal-regulating molecules from de novo arylamine collection through aromatic C-H amination. <i>Scientific Reports</i> , 2022, 12, 949.	1.6	5
56	Practical and Scalable Syntheses of Substituted Ketene Dithioacetal Monoxides. <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 441-441.	2.0	4
57	Dehydrogenative Synthesis of 2,2'-Bipyridyls through Regioselective Pyridine Dimerization. <i>Angewandte Chemie</i> , 2019, 131, 8429-8433.	1.6	4
58	Palladium-Catalyzed Cross-Coupling of Aryl Chlorides with Arylsilatrane. <i>Heterocycles</i> , 2017, 95, 568.	0.4	3
59	Synthesis of $\alpha$ -Fluoroimines by Copper-catalyzed Reaction of Diarylacetylenes and <i>N</i> -Fluorobenzenesulfonimide. <i>Chemistry Letters</i> , 2018, 47, 329-331.	0.7	3
60	Titelbild: Synthesis of Polybenzoacenes: Annulative Dimerization of Phenylene Triflate by Twofold C-H Activation ( <i>Angew. Chem.</i> 16/2020). <i>Angewandte Chemie</i> , 2020, 132, 6353-6353.	1.6	0