Eiichi Nakamura

List of Publications by Year
in descending order

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472 papers	33,880 citations	2795 94 h-index	6979 154 g-index
525 all docs	525 docs citations	525 times ranked	20801 citing authors

#	Article	IF	Citations
1	Functionalized Fullerenes in Water. The First 10 Years of Their Chemistry, Biology, and Nanoscience. Accounts of Chemical Research, 2003, 36, 807-815.	7.6	851
2	Iron-Catalyzed Câ€“H Bond Activation. Chemical Reviews, 2017, 117, 9086-9139.	23.0	750
3	Photoinduced biochemical activity of fullerene carboxylic acid. Journal of the American Chemical Society, 1993, 115, 7918-7919.	6.6	603
4	Iron-Catalyzed Cross-Coupling of Primary and Secondary Alkyl Halides with Aryl Grignard Reagents. Journal of the American Chemical Society, 2004, 126, 3686-3687.	6.6	493
5	Columnar Structure in Bulk Heterojunction in Solution-Processable Three-Layered p-i-n Organic Photovoltaic Devices Using Tetrabenzoporphyrin Precursor and Silylmethyl[60]fullerene. Journal of the American Chemical Society, 2009, 131, 16048-16050.	6.6	483
6	Low-Valent Iron-Catalyzed Câˆ’C Bond Formationâˆ’Addition, Substitution, and Câˆ’H Bond Activation. Journal of Organic Chemistry, 2010, 75, 6061-6067.	1.7	469
7	Stacking of conical molecules with a fullerene apex into polar columns in crystals and liquid crystals. Nature, 2002, 419, 702-705.	13.7	398
8	Spherical Bilayer Vesicles of Fullerene-Based Surfactants in Water: A Laser Light Scattering Study. Science, 2001, 291, 1944-1947.	6.0	395
9	Iron-Catalyzed Direct Arylation through Directed Câˆ’H Bond Activation. Journal of the American Chemical Society, 2008, 130, 5858-5859.	6.6	375
10	Mechanisms of Nucleophilic Organocopper(I) Reactions. Chemical Reviews, 2012, 112, 2339-2372.	23.0	358
11	In vivo biological behavior of a water-miscible fullerene: 14C labeling, absorption, distribution, excretion and acute toxicity. Chemistry and Biology, 1995, 2, 385-389.	6.2	353
12	Selective Multiaddition of Organocopper Reagents to Fullerenes. Chemical Reviews, 2008, 108, 3016-3028.	23.0	349
13	Mechanism of Câˆ’H Bond Activation/Câˆ’C Bond Formation Reaction between Diazo Compound and Alkane Catalyzed by Dirhodium Tetracarboxylate. Journal of the American Chemical Society, 2002, 124, 7181-7192.	6.6	343
14	Chlorosilane-accelerated conjugate addition of catalytic and stoichiometric organocopper reagents. Tetrahedron, 1989, 45, 349-362.	1.0	294
15	Hydroxyphosphine Ligand for Nickel-Catalyzed Cross-Coupling through Nickel/Magnesium Bimetallic Cooperation. Journal of the American Chemical Society, 2009, 131, 9590-9599.	6.6	281
16	The First Pentahaptofullerene Metal Complexes. Journal of the American Chemical Society, 1996, 118, 12850-12851.	6.6	271
17	Air-Stable and Solution-Processable Perovskite Photodetectors for Solar-Blind UV and Visible Light. Journal of Physical Chemistry Letters, 2015, 6, 535-539.	2.1	265
18	Î²-Arylation of Carboxamides via Iron-Catalyzed C(sp³)â€“H Bond Activation. Journal of the American Chemical Society, 2013, 135, 6030-6032.	6.6	262

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19	Synthesis of Anthranilic Acid Derivatives through Iron-Catalyzed Ortho Amination of Aromatic Carboxamides with N-Chloroamines. Journal of the American Chemical Society, 2014, 136, 646-649.	6.6	257
20	A cyclic phosphate-based battery electrolyte for high voltage and safe operation. Nature Energy, 2020, 5, 291-298.	19.8	250
21	Cobalt-Catalyzed ortho-Alkylation of Secondary Benzamide with Alkyl Chloride through Directed Câ^'H Bond Activation. Journal of the American Chemical Society, 2011, 133, 428-429.	6.6	244
22	Imaging of Single Organic Molecules in Motion. Science, 2007, 316, 853-853.	6.0	240
23	Iron-Catalyzed Directed C(sp²)â€"H and C(sp³)â€"H Functionalization with Trimethylaluminum. Journal of the American Chemical Society, 2015, 137, 7660-7663.	6.6	237
24	Wherefore Art Thou Copper? Structures and Reaction Mechanisms of Organocuprate Clusters in Organic Chemistry. Angewandte Chemie - International Edition, 2000, 39, 3750-3771.	7.2	234
25	Nickel-Catalyzed Cross-Coupling Reaction of Aryl Fluorides and Chlorides with Grignard Reagents under Nickel/Magnesium Bimetallic Cooperation. Journal of the American Chemical Society, 2005, 127, 17978-17979.	6.6	234
26	Carbon-carbon bond-forming reactions of zinc homoenolate of esters. A novel three-carbon nucleophile with general synthetic utility. Journal of the American Chemical Society, 1987, 109, 8056-8066.	6.6	232
27	Iron-Catalyzed Olefin Carbometalation. Journal of the American Chemical Society, 2000, 122, 978-979.	6.6	229
28	Me3SiCl/HMPA accelerated conjugate addition of catalytic copper reagent. Stereoselective synthesis of enol silyl ether of aldehyde. Tetrahedron Letters, 1986, 27, 4025-4028.	0.7	227
29	Managing the scarcity of chemical elements. Nature Materials, 2011, 10, 158-161.	13.3	225
30	Chemical Pathways Connecting Lead(II) Iodide and Perovskite via Polymeric Plumbate(II) Fiber. Journal of the American Chemical Society, 2015, 137, 15907-15914.	6.6	223
31	Synthesis and Properties of 2,3,6,7-Tetraarylbenzo[1,2-b:4,5-bâ€˜]difurans as Hole-Transporting Material. Journal of the American Chemical Society, 2007, 129, 11902-11903.	6.6	222
32	Iron-Catalyzed Ortho-Allylation of Aromatic Carboxamides with Allyl Ethers. Journal of the American Chemical Society, 2013, 135, 17755-17757.	6.6	222
33	Ironâ€Catalyzed Chemoselective orthoâ€…Arylation of Aryl Imines by Directed Cï£¿H Bond Activation. Angewandte Chemie - International Edition, 2009, 48, 2925-2928.	7.2	221
34	Fullereneâ€"Oligonucleotide Conjugates: Photoinduced Sequence-Specific DNA Cleavage. Angewandte Chemie International Edition in English, 1995, 33, 2462-2465.	4.4	206
35	Synthesis of Chiral Î±-Fluoroketones through Catalytic Enantioselective Decarboxylation. Angewandte Chemie - International Edition, 2005, 44, 7248-7251.	7.2	200
36	Me3SiCl accelerated conjugate addition of stoichiometric organocopper reagents. Tetrahedron Letters, 1986, 27, 4029-4032.	0.7	195

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37	Synthesis, Structure, and Aromaticity of a Hoop-Shaped Cyclic Benzenoid [10]Cyclophenacene. Journal of the American Chemical Society, 2003, 125, 2834-2835.	6.6	187
38	Naphtho[2,1-b:6,5-bâ€²]difuran: A Versatile Motif Available for Solution-Processed Single-Crystal Organic Field-Effect Transistors with High Hole Mobility. Journal of the American Chemical Society, 2012, 134, 5448-5451.	6.6	186
39	Biological Activity of Water-Soluble Fullerenes. Structural Dependence of DNA Cleavage, Cytotoxicity, and Enzyme Inhibitory Activities Including HIV-Protease Inhibition. Bulletin of the Chemical Society of Japan, 1996, 69, 2143-2151.	2.0	185
40	Electron transfer through rigid organic molecular wires enhanced by electronic and electronâ€“vibration coupling. Nature Chemistry, 2014, 6, 899-905.	6.6	180
41	CyclopropenoneAcetalsSynthesis and Reactions. Chemical Reviews, 2003, 103, 1295-1326.	23.0	178
42	Cobalt-Catalyzed Chemoselective Insertion of Alkene into the Ortho Câ^'H Bond of Benzamide. Journal of the American Chemical Society, 2011, 133, 5221-5223.	6.6	175
43	Iron-Catalyzed Câ^'C Bond Formation at Î±-Position of Aliphatic Amines via Câ^'H Bond Activation through 1,5-Hydrogen Transfer. Journal of the American Chemical Society, 2010, 132, 5568-5569.	6.6	170
44	Polymer Stabilization of Lead(II) Perovskite Cubic Nanocrystals for Semitransparent Solar Cells. Advanced Energy Materials, 2016, 6, 1502317.	10.2	168
45	In vivo gene delivery by cationic tetraamino fullerene. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5339-5344.	3.3	166
46	Design and Functions of Semiconducting Fused Polycyclic Furans for Optoelectronic Applications. Accounts of Chemical Research, 2017, 50, 396-406.	7.6	166
47	Hybrid of Ferrocene and Fullerene. Journal of the American Chemical Society, 2002, 124, 9354-9355.	6.6	164
48	Enhancement in the efficiency of an organicâ€“inorganic hybrid solar cell with a doped P3HT hole-transporting layer on a void-free perovskite active layer. Journal of Materials Chemistry A, 2014, 2, 13827-13830.	5.2	163
49	Iron-Catalyzed Chemoselective Cross-Coupling of Primary and Secondary Alkyl Halides with Arylzinc Reagents. Synlett, 2005, 2005, 1794-1798.	1.0	159
50	Phenanthrene Synthesis by Iron-Catalyzed [4 + 2] Benzannulation between Alkyne and Biaryl or 2-Alkenylphenyl Grignard Reagent. Journal of the American Chemical Society, 2011, 133, 6557-6559.	6.6	159
51	Iron-Catalyzed Directed Alkylation of Aromatic and Olefinic Carboxamides with Primary and Secondary Alkyl Tosylates, Mesylates, and Halides. Journal of the American Chemical Society, 2014, 136, 13126-13129.	6.6	159
52	Theoretical Studies on Structures and Aromaticity of Finite-Length Armchair Carbon Nanotubes. Organic Letters, 2003, 5, 3181-3184.	2.4	158
53	Regioselective Synthesis of 1,4-Di(organo)[60]fullerenes through DMF-assisted Monoaddition of Silylmethyl Grignard Reagents and Subsequent Alkylation Reaction. Journal of the American Chemical Society, 2008, 130, 15429-15436.	6.6	156
54	2,3-Disubstituted Benzofuran and Indole by Copper-Mediated Câ^'C Bond Extension Reaction of 3-Zinciobenzoheterole. Organic Letters, 2006, 8, 2803-2805.	2.4	154

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55	Iron-Catalyzed Stereospecific Activation of Olefinic Câ€“H Bonds with Grignard Reagent for Synthesis of Substituted Olefins. Journal of the American Chemical Society, 2011, 133, 7672-7675.	6.6	154
56	Iron-Catalyzed C(sp²)â€“H Bond Functionalization with Organoboron Compounds. Journal of the American Chemical Society, 2014, 136, 14349-14352.	6.6	152
57	Copper-catalyzed acylation and conjugate addition of zinc homoenolate. Synthesis of 4- and 5-oxo esters. Journal of the American Chemical Society, 1984, 106, 3368-3370.	6.6	151
58	Preparation, Purification, Characterization, and Cytotoxicity Assessment of Water-Soluble, Transition-Metal-Free Carbon Nanotube Aggregates. Angewandte Chemie - International Edition, 2006, 45, 6676-6680.	7.2	151
59	Synthesis of Disubstituted Cucurbit[6]uril and Its Rotaxane Derivative. Organic Letters, 2002, 4, 1287-1289.	2.4	149
60	Thermal Reactions of Dipolar Trimethylenemethane Species. Accounts of Chemical Research, 2002, 35, 867-877.	7.6	146
61	Indium-Catalyzed Addition of Active Methylene Compounds to 1-Alkynes. Journal of the American Chemical Society, 2003, 125, 13002-13003.	6.6	142
62	Bis(carbazolyl)benzodifuran: A Highâ€Mobility Ambipolar Material for Homojunction Organic Lightâ€Emitting Diode Devices. Advanced Materials, 2009, 21, 3776-3779.	11.1	142
63	Cobalt-Catalyzed Coupling of Alkyl Grignard Reagent with Benzamide and 2-Phenylpyridine Derivatives through Directed Câ€“H Bond Activation under Air. Organic Letters, 2011, 13, 3232-3234.	2.4	142
64	Quaternary ammonium enolates as synthetic intermediates. Regiospecific alkylation reaction of ketones. Journal of the American Chemical Society, 1975, 97, 3257-3258.	6.6	140
65	Density Functional Studies on the Pausonâ€“Khand Reaction. Journal of the American Chemical Society, 2001, 123, 1703-1708.	6.6	136
66	3-Zinciobenzofuran and 3-Zincioindole: Versatile Tools for the Construction of Conjugated Structures Containing Multiple Benzoheterole Units. Angewandte Chemie - International Edition, 2006, 45, 944-947.	7.2	136
67	Iron-Catalyzed Ortho Câ€“H Methylation of Aromatics Bearing a Simple Carbonyl Group with Methylaluminum and Tridentate Phosphine Ligand. Journal of the American Chemical Society, 2016, 138, 10132-10135.	6.6	133
68	Mechanism and Regioselectivity of Reductive Elimination of Ï€-Allylcopper (III) Intermediates. Journal of the American Chemical Society, 2004, 126, 6287-6293.	6.6	132
69	Benzo[b]phosphole sulfides. Highly electron-transporting and thermally stable molecular materials for organic semiconductor devices. Journal of Materials Chemistry, 2009, 19, 3364.	6.7	132
70	Analysis of the reactivity and selectivity of fullerene dimerization reactions at the atomic level. Nature Chemistry, 2010, 2, 117-124.	6.6	127
71	Functionalized Fullerene as an Artificial Vector for Transfection. Angewandte Chemie - International Edition, 2000, 39, 4254-4257.	7.2	126
72	Air- and Heat-Stable Planar Tri-p-quinodimethane with Distinct Biradical Characteristics. Journal of the American Chemical Society, 2011, 133, 16342-16345.	6.6	121

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73	Nickel-Catalyzed Monosubstitution of Polyfluoroarenes with Organozinc Reagents Using Alkoxydiphosphine Ligand. Organic Letters, 2012, 14, 3316-3319.	2.4	120
74	Stacking of Molecules Possessing a Fullerene Apex and a Cup-Shaped Cavity Connected by a Silicon Connection. Journal of the American Chemical Society, 2004, 126, 432-433.	6.6	119
75	Synthesis and Structural, Electrochemical, and Stacking Properties of Conical Molecules Possessing Buckyferrocene on the Apex. Journal of the American Chemical Society, 2006, 128, 9586-9587.	6.6	118
76	A Scalable Synthesis of Methano[60]fullerene and Congeners by the Oxidative Cyclopropanation Reaction of Silylmethylfullerene. Journal of the American Chemical Society, 2011, 133, 8086-8089.	6.6	117
77	Fluoride-mediated reactions of enol silyl ethers. Regiospecific monoalkylation of ketones. Journal of the American Chemical Society, 1982, 104, 1025-1030.	6.6	114
78	Role of Subsurface Diffusion and Ostwald Ripening in Catalyst Formation for Single-Walled Carbon Nanotube Forest Growth. Journal of the American Chemical Society, 2012, 134, 2148-2153.	6.6	113
79	Heterogeneous nucleation of organic crystals mediated by single-molecule templates. Nature Materials, 2012, 11, 877-881.	13.3	112
80	Indium-Catalyzed 2-Alkenylation of 1,3-Dicarbonyl Compounds with Unactivated Alkynes. Journal of the American Chemical Society, 2007, 129, 5264-5271.	6.6	110
81	Local Time-Dependent Charging in a Perovskite Solar Cell. ACS Applied Materials & Interfaces, 2016, 8, 19402-19409.	4.0	109
82	Enantioselective Allylzincation of Cyclic Aldimines in the Presence of Anionic Bis-oxazoline Ligand. Journal of the American Chemical Society, 1996, 118, 8489-8490.	6.6	106
83	Selective deposition of a gadolinium(III) cluster in a hole opening of single-wall carbon nanohorn. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8527-8530.	3.3	106
84	Iron-Catalyzed Regio- and Stereoselective Chlorosulfonylation of Terminal Alkynes with Aromatic Sulfonyl Chlorides. Organic Letters, 2012, 14, 954-956.	2.4	106
85	Modular Synthesis of Benzo[b]phosphole Derivatives via BuLi-Mediated Cyclization of (o-Alkynylphenyl)phosphine. Organic Letters, 2008, 10, 2263-2265.	2.4	105
86	Carbon-bridged oligo(p-phenylenevinylene)s for photostable and broadly tunable, solution-processable thin film organic lasers. Nature Communications, 2015, 6, 8458.	5.8	105
87	Iron-Catalyzed Regio- and Stereoselective Ring Opening of [2.2.1]- and [3.2.1]Oxabicyclic Alkenes with a Grignard Reagent. Organic Letters, 2003, 5, 1373-1375.	2.4	103
88	Reaction Pathway of the Conjugate Addition of Lithium Organocuprate Clusters to Acrolein. Journal of the American Chemical Society, 1997, 119, 4900-4910.	6.6	102
89	Gene Delivery by Aminofullerenes: Structural Requirements for Efficient Transfection. Chemistry - an Asian Journal, 2006, 1, 167-175.	1.7	102
90	Ligand Exchange as the First Irreversible Step in the Nickel-Catalyzed Cross-Coupling Reaction of Grignard Reagents. Journal of the American Chemical Society, 2008, 130, 15258-15259.	6.6	102

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91	Synergistic Dimetallic Effects in Propargylic Substitution Reaction Catalyzed by Thiolate-Bridged Diruthenium Complex. Journal of the American Chemical Society, 2005, 127, 9428-9438.	6.6	101
92	Endohedral Homoconjugation in Cyclopentadiene Embedded in C60. Theoretical and Electrochemical Evidence. Journal of Organic Chemistry, 1997, 62, 7912-7913.	1.7	99
93	Synthesis of Fullerene Glycoconjugates via a Copper-Catalyzed Huisgen Cycloaddition Reaction. Organic Letters, 2007, 9, 4611-4614.	2.4	99
94	Homoenolate anion precursor. Reaction of ester homoenol silyl ether with carbonyl compounds. Journal of the American Chemical Society, 1977, 99, 7360-7362.	6.6	98
95	Regioselective Oxygenative Tetraamination of [60]Fullerene. Fullerene-mediated Reduction of Molecular Oxygen by Amine via Ground State Single Electron Transfer in Dimethyl Sulfoxide. Journal of Organic Chemistry, 2005, 70, 4826-4832.	1.7	98
96	Origin of the Regio- and Stereoselectivity of Allylic Substitution of Organocopper Reagents. Journal of the American Chemical Society, 2008, 130, 12862-12863.	6.6	97
97	Mechanism of SN2 Alkylation Reactions of Lithium Organocuprate Clusters with Alkyl Halides and Epoxides. Solvent Effects, BF3Effects, and Trans-Diaxial Epoxide Opening. Journal of the American Chemical Society, 2000, 122, 7294-7307.	6.6	96
98	Lamellar Assembly of Conical Molecules Possessing a Fullerene Apex in Crystals and Liquid Crystals. Journal of the American Chemical Society, 2007, 129, 3052-3053.	6.6	94
99	Iron-catalysed fluoroaromatic coupling reactions under catalytic modulation with 1,2-bis(diphenylphosphino)benzene. Chemical Communications, 2009, , 1216.	2.2	94
100	Trichlorotitanium and alkoxytitanium homoenolates. Preparation, characterization, and utilization for organic synthesis. Journal of the American Chemical Society, 1986, 108, 3745-3755.	6.6	92
101	Iron-Catalyzed Cross-Coupling of Alkyl Sulfonates with Arylzinc Reagents. Organic Letters, 2009, 11, 4306-4309.	2.4	92
102	Disodium Benzodipyrrole Sulfonate as Neutral Hole-Transporting Materials for Perovskite Solar Cells. Journal of the American Chemical Society, 2018, 140, 5018-5022.	6.6	91
103	Langmuir-Blodgett Film of Amphiphilic C60 Carboxylic Acid. Langmuir, 1995, 11, 660-665.	1.6	89
104	Facile synthesis of a 56Ï€-electron 1,2-dihydromethano-[60]PCBM and its application for thermally stable polymer solar cells. Chemical Communications, 2011, 47, 10082.	2.2	89
105	Iron-Catalyzed Allylic Arylation of Olefins via C(sp3)â€“H Activation under Mild Conditions. Organic Letters, 2013, 15, 714-717.	2.4	89
106	One-Step Multiple Addition of Amine to [60]Fullerene. Synthesis of Tetra(amino)fullerene Epoxide under Photochemical Aerobic Conditions. Organic Letters, 2000, 2, 3663-3665.	2.4	88
107	Nonviral Gene Delivery by Tetraamino Fullerene. Molecular Pharmaceutics, 2006, 3, 124-134.	2.3	88
108	Indiumâ€Catalyzed Cycloisomerization of Ï‰â€Alkynylâ€Î²â€ketoesters into Sixâ€to Fifteenâ€Membered Rings. Angewandte Chemie - International Edition, 2007, 46, 8060-8062.	7.2	88

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109	Carbon-Bridged Oligo(phenylenevinylene)s: Stable Ï€-Systems with High Responsiveness to Doping and Excitation. Journal of the American Chemical Society, 2012, 134, 19254-19259.	6.6	87
110	Sulfamic Acid-Catalyzed Lead Perovskite Formation for Solar Cell Fabrication on Glass or Plastic Substrates. Journal of the American Chemical Society, 2016, 138, 5410-5416.	6.6	86
111	Photocurrent-Generating Properties of Organometallic Fullerene Molecules on an Electrode. Journal of the American Chemical Society, 2008, 130, 5016-5017.	6.6	85
112	Capturing the Moment of Emergence of Crystal Nucleus from Disorder. Journal of the American Chemical Society, 2021, 143, 1763-1767.	6.6	85
113	Carbocupration of cyclopropene. A novel synthon of cyclopropanone enolate and its application to [3 + 2] and [3 + 2 + 2] annulation. Journal of the American Chemical Society, 1988, 110, 1297-1298.	6.6	84
114	Creation of Hoop- and Bowl-Shaped Benzenoid Systems by Selective Detraction of [60]Fullerene Conjugation. [10]Cyclophenacene and Fused Corannulene Derivatives. Journal of the American Chemical Society, 2004, 126, 8725-8734.	6.6	84
115	Modular Synthesis of 1H-Indenes, Dihydro-s-Indacene, and Diindenoindaceneâ€"a Carbon-Bridged p-Phenylenevinylene Congener. Journal of the American Chemical Society, 2009, 131, 13596-13597.	6.6	84
116	Synthesis of Ï€-Indenyl-type Fullerene Ligand and Its Metal Complexes via Quantitative Trisarylation of C70. Journal of the American Chemical Society, 1998, 120, 8285-8286.	6.6	83
117	Ironâ€Catalyzed Cï£¿H Bond Activation for the orthoâ€Arylation of Aryl Pyridines and Imines with Grignard Reagents. Chemistry - an Asian Journal, 2011, 6, 3059-3065.	1.7	83
118	Addition of Dihydromethano Group to Fullerenes to Improve the Performance of Bulk Heterojunction Organic Solar Cells. Advanced Materials, 2013, 25, 6266-6269.	11.1	83
119	Aerobic conversion of organic halides to alcohols. An oxygenative radical cyclization. Journal of the American Chemical Society, 1991, 113, 8980-8982.	6.6	82
120	Supramolecular Differentiation for Construction of Anisotropic Fullerene Nanostructures by Time-Programmed Control of Interfacial Growth. ACS Nano, 2016, 10, 8796-8802.	7.3	82
121	Ternary Complexes Between DNA, Polyamine, and Cucurbituril: A Modular Approach to DNA-Binding Molecules. Angewandte Chemie - International Edition, 2000, 39, 4257-4260.	7.2	80
122	Synthesis of Ferrocene/Hydrofullerene Hybrid and Functionalized Bucky Ferrocenes. Journal of the American Chemical Society, 2003, 125, 13974-13975.	6.6	79
123	Geminal acylation via pinacol rearrangement. Synthesis of spiro[4.n] ring systems. Journal of the American Chemical Society, 1977, 99, 961-963.	6.6	77
124	Citric Acid Modulated Growth of Oriented Lead Perovskite Crystals for Efficient Solar Cells. Journal of the American Chemical Society, 2017, 139, 9598-9604.	6.6	77
125	Atomistic structures and dynamics of prenucleation clusters in MOF-2 and MOF-5 syntheses. Nature Communications, 2019, 10, 3608.	5.8	76
126	Aminohydroxyphosphine Ligand for the Copper-Catalyzed Enantioselective Conjugate Addition of Organozinc Reagents. Organic Letters, 2006, 8, 4153-4155.	2.4	75

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127	Theoretical Studies on the Addition of Polymetallic Lithium Organocuprate Clusters to Acetylene. Cooperative Effects of Metals in a Trap-and-Bite Reaction Pathway. Journal of the American Chemical Society, 1997, 119, 4887-4899.	6.6	73
128	Synthesis of Ultrafine Gd2O3Nanoparticles Inside Single-Wall Carbon Nanohorns. Journal of Physical Chemistry B, 2006, 110, 5179-5181.	1.2	73
129	Reactivity and Stability of Organocopper(I), Silver(I), and Gold(I) Ate Compounds and Their Trivalent Derivatives. Journal of the American Chemical Society, 2005, 127, 1446-1453.	6.6	72
130	Construction of a Chiral Quaternary Carbon Center by Indium-Catalyzed Asymmetric Î±-Alkenylation of Î²-Ketoesters. Journal of the American Chemical Society, 2008, 130, 4492-4496.	6.6	72
131	Iron-Catalyzed Chemo- and Stereoselective Hydromagnesiation of Diarylalkynes and Diynes. Journal of the American Chemical Society, 2012, 134, 16951-16954.	6.6	72
132	Oxidative Câˆ’H Activation Approach to Pyridone and Isoquinolone through an Ironâ€Catalyzed Coupling of Amides with Alkynes. Chemistry - an Asian Journal, 2016, 11, 380-384.	1.7	72
133	Virtually complete diastereofacial selectivity in the SN2' allylation of organocopper reagents. Journal of the American Chemical Society, 1989, 111, 3091-3093.	6.6	71
134	Carbometalation of Cyclopropene. Ligand-Induced Enantioselective Allylzincation. Journal of the American Chemical Society, 1995, 117, 1179-1180.	6.6	71
135	Syntheses, Structure, and Derivatization of Potassium Complexes of Penta(organo)[60]fullerene-Monoanion, -Dianion, and -Trianion into Hepta- and Octa(organo)fullerenes. Journal of the American Chemical Society, 2005, 127, 8457-8466.	6.6	71
136	Ring expansion and cleavage of succinoin derivatives. Geminal acylation, reductive succinoylation, and stereoselective spiro annelation methods. Journal of the American Chemical Society, 1984, 106, 1759-1773.	6.6	70
137	Use of methylenecyclopropanone ketals for cyclopentane synthesis. A new efficient thermal [3 + 2] cycloaddition. Journal of the American Chemical Society, 1989, 111, 7285-7286.	6.6	70
138	Photocytotoxicity of Water-soluble Fullerene Derivatives. Bioscience, Biotechnology and Biochemistry, 1996, 60, 1359-1361.	0.6	70
139	Theoretical Studies on Lewis Acid Acceleration in Simmonsâˆ’Smith Reaction. Journal of the American Chemical Society, 1998, 120, 5844-5845.	6.6	70
140	Density Functional Studies on Conjugate Addition of (Me2CuLi)2 to Cyclohexenone: Stereoselectivity and Rate-Determining Step. Chemistry - A European Journal, 1999, 5, 1534-1543.	1.7	70
141	Pentaorgano[60]fullerene R5C60âˆ’. A Water Soluble Hydrocarbon Anion. Chemistry Letters, 2000, 29, 1098-1099.	0.7	69
142	Half-Sandwich Metallocene Embedded in a Spherically Extended Ï€-Conjugate System. Synthesis, Structure, and Electrochemistry of Rh(Î·5-C60Me5)(CO)2. Journal of the American Chemical Society, 2000, 122, 12407-12408.	6.6	67
143	Complexation of Lewis Acid with Trialkylcopper(III):Â On the Origin of BF3-Acceleration of Cuprate Conjugate Addition. Journal of the American Chemical Society, 2000, 122, 1826-1827.	6.6	67
144	Preparation and Properties of Vesicles Made of Nonpolar/Polar/Nonpolar Fullerene Amphiphiles. Journal of the American Chemical Society, 2011, 133, 6364-6370.	6.6	67

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145	Ironâ€Catalyzed Directed Alkylation of Alkenes and Arenes with Alkylzinc Halides. Advanced Synthesis and Catalysis, 2015, 357, 2175-2179.	2.1	67
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