

Eiichi Nakamura

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4402875/eiichi-nakamura-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

499
papers

29,289
citations

91
h-index

144
g-index

525
ext. papers

31,720
ext. citations

10.5
avg, IF

7.46
L-index

#	Paper	IF	Citations
499	Functionalized fullerenes in water. The first 10 years of their chemistry, biology, and nanoscience. <i>Accounts of Chemical Research</i> , 2003 , 36, 807-15	24.3	781
498	Iron-Catalyzed C-H Bond Activation. <i>Chemical Reviews</i> , 2017 , 117, 9086-9139	68.1	581
497	Photoinduced biochemical activity of fullerene carboxylic acid. <i>Journal of the American Chemical Society</i> , 1993 , 115, 7918-7919	16.4	525
496	Columnar structure in bulk heterojunction in solution-processable three-layered p-i-n organic photovoltaic devices using tetrabenzoporphyrin precursor and silylmethyl[60]fullerene. <i>Journal of the American Chemical Society</i> , 2009 , 131, 16048-50	16.4	454
495	Iron-catalyzed cross-coupling of primary and secondary alkyl halides with aryl grignard reagents. <i>Journal of the American Chemical Society</i> , 2004 , 126, 3686-7	16.4	445
494	Low-valent iron-catalyzed C-C bond formation-addition, substitution, and C-H bond activation. <i>Journal of Organic Chemistry</i> , 2010 , 75, 6061-7	4.2	438
493	Stacking of conical molecules with a fullerene apex into polar columns in crystals and liquid crystals. <i>Nature</i> , 2002 , 419, 702-5	50.4	367
492	Spherical bilayer vesicles of fullerene-based surfactants in water: a laser light scattering study. <i>Science</i> , 2001 , 291, 1944-7	33.3	367
491	Iron-catalyzed direct arylation through directed C-H bond activation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 5858-9	16.4	346
490	In vivo biological behavior of a water-miscible fullerene: ¹⁴ C labeling, absorption, distribution, excretion and acute toxicity. <i>Chemistry and Biology</i> , 1995 , 2, 385-9		317
489	Selective multiaddition of organocopper reagents to fullerenes. <i>Chemical Reviews</i> , 2008 , 108, 3016-28	68.1	316
488	Mechanism of C-H bond activation/C-C bond formation reaction between diazo compound and alkane catalyzed by dirhodium tetracarboxylate. <i>Journal of the American Chemical Society</i> , 2002 , 124, 7181-92	16.4	315
487	Mechanisms of nucleophilic organocopper(I) reactions. <i>Chemical Reviews</i> , 2012 , 112, 2339-72	68.1	314
486	Hydroxyphosphine ligand for nickel-catalyzed cross-coupling through nickel/magnesium bimetallic cooperation. <i>Journal of the American Chemical Society</i> , 2009 , 131, 9590-9	16.4	256
485	Air-Stable and Solution-Processable Perovskite Photodetectors for Solar-Blind UV and Visible Light. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 535-9	6.4	249
484	Ārylation of carboxamides via iron-catalyzed C(sp ³)-H bond activation. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6030-2	16.4	238
483	Synthesis of anthranilic acid derivatives through iron-catalyzed ortho amination of aromatic carboxamides with N-chloroamines. <i>Journal of the American Chemical Society</i> , 2014 , 136, 646-9	16.4	236

- 482 The First Pentahaptofullerene Metal Complexes. *Journal of the American Chemical Society*, **1996**, 118, 12850-12851 16.4 235
- 481 Cobalt-catalyzed ortho-alkylation of secondary benzamide with alkyl chloride through directed C-H bond activation. *Journal of the American Chemical Society*, **2011**, 133, 428-9 16.4 232
- 480 Iron-catalyzed chemoselective ortho arylation of aryl imines by directed C-H bond activation. *Angewandte Chemie - International Edition*, **2009**, 48, 2925-8 16.4 212
- 479 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, 17978-9 16.4 211
- 478 Synthesis and properties of 2,3,6,7-tetraarylbenzo[1,2-b:4,5-b']difurans as hole-transporting material. *Journal of the American Chemical Society*, **2007**, 129, 11902-3 16.4 210
- 477 Imaging of single organic molecules in motion. *Science*, **2007**, 316, 853 33.3 204
- 476 Iron-catalyzed ortho-allylation of aromatic carboxamides with allyl ethers. *Journal of the American Chemical Society*, **2013**, 135, 17755-7 16.4 202
- 475 Iron-Catalyzed Olefin Carbometalation. *Journal of the American Chemical Society*, **2000**, 122, 978-979 16.4 199
- 474 Wherefore Art Thou Copper? Structures and Reaction Mechanisms of Organocuprate Clusters in Organic Chemistry. *Angewandte Chemie - International Edition*, **2000**, 39, 3750-3771 16.4 197
- 473 Me₃SiCl/HMPA accelerated conjugate addition of catalytic copper reagent. Stereoselective synthesis of enol silyl ether of aldehyde. *Tetrahedron Letters*, **1986**, 27, 4025-4028 2 197
- 472 Iron-Catalyzed Directed C(sp²)-H and C(sp³)-H Functionalization with Trimethylaluminum. *Journal of the American Chemical Society*, **2015**, 137, 7660-3 16.4 193
- 471 Managing the scarcity of chemical elements. *Nature Materials*, **2011**, 10, 158-61 27 192
- 470 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 16.4 187
- 469 Synthesis of chiral alpha-fluoroketones through catalytic enantioselective decarboxylation. *Angewandte Chemie - International Edition*, **2005**, 44, 7248-51 16.4 185
- 468 Chemical Pathways Connecting Lead(II) Iodide and Perovskite via Polymeric Plumbate(II) Fiber. *Journal of the American Chemical Society*, **2015**, 137, 15907-14 16.4 180
- 467 Naphtho[2,1-b:6,5-b']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, 5448-51 16.4 176
- 466 Fullerene-Diigonucleotide Conjugates: Photoinduced Sequence-Specific DNA Cleavage. *Angewandte Chemie International Edition in English*, **1995**, 33, 2462-2465 173
- 465 Chlorosilane-accelerated conjugate addition of catalytic and stoichiometric organocopper reagents. *Tetrahedron*, **1989**, 45, 349-362 2.4 171

- 464 Cobalt-catalyzed chemoselective insertion of alkene into the ortho C-H bond of benzamide. *Journal of the American Chemical Society*, **2011**, 133, 5221-3 16.4 167
- 463 Synthesis, structure, and aromaticity of a hoop-shaped cyclic benzenoid [10]cyclophenacene. *Journal of the American Chemical Society*, **2003**, 125, 2834-5 16.4 166
- 462 Electron transfer through rigid organic molecular wires enhanced by electronic and electron-vibration coupling. *Nature Chemistry*, **2014**, 6, 899-905 17.6 160
- 461 Me₃SiCl accelerated conjugate addition of stoichiometric organocopper reagents. *Tetrahedron Letters*, **1986**, 27, 4029-4032 2 158
- 460 Iron-catalyzed C-C bond formation at alpha-position of aliphatic amines via C-H bond activation through 1,5-hydrogen transfer. *Journal of the American Chemical Society*, **2010**, 132, 5568-9 16.4 157
- 459 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 5.1 156
- 458 Cyclopropenone acetals-synthesis and reactions. *Chemical Reviews*, **2003**, 103, 1295-326 68.1 155
- 457 Hybrid of ferrocene and fullerene. *Journal of the American Chemical Society*, **2002**, 124, 9354-5 16.4 151
- 456 Enhancement in the efficiency of an organic/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 13 150
- 455 Theoretical studies on structures and aromaticity of finite-length armchair carbon nanotubes. *Organic Letters*, **2003**, 5, 3181-4 6.2 149
- 454 Iron-Catalyzed Chemoselective Cross-Coupling of Primary and Secondary Alkyl Halides with Arylzinc Reagents. *Synlett*, **2005**, 2005, 1794-1798 2.2 148
- 453 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, 15429-36 16.4 144
- 452 In vivo gene delivery by cationic tetraamino fullerene. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 5339-44 11.5 142
- 451 Polymer Stabilization of Lead(II) Perovskite Cubic Nanocrystals for Semitransparent Solar Cells. *Advanced Energy Materials*, **2016**, 6, 1502317 21.8 140
- 450 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, 6557-9 16.4 140
- 449 Preparation, purification, characterization, and cytotoxicity assessment of water-soluble, transition-metal-free carbon nanotube aggregates. *Angewandte Chemie - International Edition*, **2006**, 45, 6676-80 16.4 140
- 448 2,3-disubstituted benzofuran and indole by copper-mediated C-C bond extension reaction of 3-zincobenzoheterole. *Organic Letters*, **2006**, 8, 2803-5 6.2 140
- 447 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, 13126-9 16.4 135

446	Iron-catalyzed stereospecific activation of olefinic C-H bonds with Grignard reagent for synthesis of substituted olefins. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7672-5	16.4	135
445	Bis(carbazolyl)benzodifuran: A High-Mobility Ambipolar Material for Homojunction Organic Light-Emitting Diode Devices. <i>Advanced Materials</i> , 2009 , 21, 3776-3779	24	135
444	Thermal reactions of dipolar trimethylenemethane species. <i>Accounts of Chemical Research</i> , 2002 , 35, 867-77	24.3	134
443	Synthesis of disubstituted cucurbit[6]uril and its rotaxane derivative. <i>Organic Letters</i> , 2002 , 4, 1287-9	6.2	134
442	Indium-catalyzed addition of active methylene compounds to 1-alkynes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13002-3	16.4	132
441	Iron-catalyzed C(sp ²)-H bond functionalization with organoboron compounds. <i>Journal of the American Chemical Society</i> , 2014 , 136, 14349-52	16.4	131
440	Cobalt-catalyzed coupling of alkyl Grignard reagent with benzamide and 2-phenylpyridine derivatives through directed C-H bond activation under air. <i>Organic Letters</i> , 2011 , 13, 3232-4	6.2	131
439	3-zincobenzofuran and 3-zincindole: versatile tools for the construction of conjugated structures containing multiple benzoheterole units. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 944-7	16.4	131
438	Design and Functions of Semiconducting Fused Polycyclic Furans for Optoelectronic Applications. <i>Accounts of Chemical Research</i> , 2017 , 50, 396-406	24.3	130
437	Density functional studies on the Pauson-Khand reaction. <i>Journal of the American Chemical Society</i> , 2001 , 123, 1703-8	16.4	127
436	Copper-catalyzed acylation and conjugate addition of zinc homoenolate. Synthesis of 4- and 5-oxo esters. <i>Journal of the American Chemical Society</i> , 1984 , 106, 3368-3370	16.4	125
435	Mechanism and regioselectivity of reductive elimination of pi-allylcopper (III) intermediates. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6287-93	16.4	122
434	Benzo[b]phosphole sulfides. Highly electron-transporting and thermally stable molecular materials for organic semiconductor devices. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3364		120
433	Quaternary ammonium enolates as synthetic intermediates. Regiospecific alkylation reaction of ketones. <i>Journal of the American Chemical Society</i> , 1975 , 97, 3257-3258	16.4	118
432	Analysis of the reactivity and selectivity of fullerene dimerization reactions at the atomic level. <i>Nature Chemistry</i> , 2010 , 2, 117-24	17.6	115
431	Synthesis and structural, electrochemical, and stacking properties of conical molecules possessing buckyferrocene on the apex. <i>Journal of the American Chemical Society</i> , 2006 , 128, 9586-7	16.4	114
430	Stacking of molecules possessing a fullerene apex and a cup-shaped cavity connected by a silicon connection. <i>Journal of the American Chemical Society</i> , 2004 , 126, 432-3	16.4	113
429	A scalable synthesis of methano[60]fullerene and congeners by the oxidative cyclopropanation reaction of silylmethylfullerene. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8086-9	16.4	112

- 428 Air- and heat-stable planar tri-p-quinodimethane with distinct biradical characteristics. *Journal of the American Chemical Society*, **2011**, 133, 16342-5 16.4 109
- 427 Functionalized Fullerene as an Artificial Vector for Transfection. *Angewandte Chemie - International Edition*, **2000**, 39, 4254-4257 16.4 108
- 426 Nickel-catalyzed monosubstitution of polyfluoroarenes with organozinc reagents using alkoxydiphosphine ligand. *Organic Letters*, **2012**, 14, 3316-9 6.2 107
- 425 A cyclic phosphate-based battery electrolyte for high voltage and safe operation. *Nature Energy*, **2020**, 5, 291-298 62.3 104
- 424 Iron-Catalyzed Ortho C-H Methylation of Aromatics Bearing a Simple Carbonyl Group with Methylaluminum and Tridentate Phosphine Ligand. *Journal of the American Chemical Society*, **2016**, 138, 10132-5 16.4 104
- 423 Indium-catalyzed 2-alkenylation of 1,3-dicarbonyl compounds with unactivated alkynes. *Journal of the American Chemical Society*, **2007**, 129, 5264-71 16.4 102
- 422 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, 2148-53 16.4 101
- 421 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, 8527-30 11.5 101
- 420 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, 15258-9 16.4 99
- 419 Modular synthesis of benzo[b]phosphole derivatives via BuLi-mediated cyclization of (o-alkynylphenyl)phosphine. *Organic Letters*, **2008**, 10, 2263-5 6.2 96
- 418 Fluoride-mediated reactions of enol silyl ethers. Regiospecific monoalkylation of ketones. *Journal of the American Chemical Society*, **1982**, 104, 1025-1030 16.4 96
- 417 Heterogeneous nucleation of organic crystals mediated by single-molecule templates. *Nature Materials*, **2012**, 11, 877-81 27 95
- 416 Synergistic dimetallic effects in propargylic substitution reaction catalyzed by thiolate-bridged diruthenium complex. *Journal of the American Chemical Society*, **2005**, 127, 9428-38 16.4 95
- 415 Local Time-Dependent Charging in a Perovskite Solar Cell. *ACS Applied Materials & Interfaces*, **2016**, 8, 19402-9 9.5 95
- 414 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, 4826-32 4.2 93
- 413 Synthesis of fullerene glycoconjugates via a copper-catalyzed Huisgen cycloaddition reaction. *Organic Letters*, **2007**, 9, 4611-4 6.2 92
- 412 Gene delivery by aminofullerenes: structural requirements for efficient transfection. *Chemistry - an Asian Journal*, **2006**, 1, 167-75 4.5 92
- 411 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, 1373-5 6.2 92

410	Reaction Pathway of the Conjugate Addition of Lithium Organocuprate Clusters to Acrolein. <i>Journal of the American Chemical Society</i> , 1997 , 119, 4900-4910	16.4	91
409	Lamellar assembly of conical molecules possessing a fullerene apex in crystals and liquid crystals. <i>Journal of the American Chemical Society</i> , 2007 , 129, 3052-3	16.4	91
408	Endohedral Homoconjugation in Cyclopentadiene Embedded in C(60). Theoretical and Electrochemical Evidence. <i>Journal of Organic Chemistry</i> , 1997 , 62, 7912-7913	4.2	88
407	Iron-catalysed fluoroaromatic coupling reactions under catalytic modulation with 1,2-bis(diphenylphosphino)benzene. <i>Chemical Communications</i> , 2009 , 1216-8	5.8	87
406	Facile synthesis of a 56 π -electron 1,2-dihydromethano-[60]PCBM and its application for thermally stable polymer solar cells. <i>Chemical Communications</i> , 2011 , 47, 10082-4	5.8	86
405	Origin of the regio- and stereoselectivity of allylic substitution of organocopper reagents. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12862-3	16.4	85
404	Iron-catalyzed regio- and stereoselective chlorosulfonylation of terminal alkynes with aromatic sulfonyl chlorides. <i>Organic Letters</i> , 2012 , 14, 954-6	6.2	84
403	Iron-catalyzed cross-coupling of alkyl sulfonates with arylzinc reagents. <i>Organic Letters</i> , 2009 , 11, 4306-9	6.2	84
402	Mechanism of SN2 Alkylation Reactions of Lithium Organocuprate Clusters with Alkyl Halides and Epoxides. Solvent Effects, BF ₃ Effects, and Trans-Diaxial Epoxide Opening. <i>Journal of the American Chemical Society</i> , 2000 , 122, 7294-7307	16.4	84
401	Homoenolate anion precursor. Reaction of ester homoenol silyl ether with carbonyl compounds. <i>Journal of the American Chemical Society</i> , 1977 , 99, 7360-7362	16.4	83
400	Carbon-bridged oligo(p-phenylenevinylene)s for photostable and broadly tunable, solution-processable thin film organic lasers. <i>Nature Communications</i> , 2015 , 6, 8458	17.4	82
399	Indium-catalyzed cycloisomerization of omega-alkynyl-beta-ketoesters into six- to fifteen-membered rings. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8060-2	16.4	82
398	Enantioselective Allylzincation of Cyclic Aldimines in the Presence of Anionic Bis-oxazoline Ligand. <i>Journal of the American Chemical Society</i> , 1996 , 118, 8489-8490	16.4	82
397	Nonviral gene delivery by tetraamino fullerene. <i>Molecular Pharmaceutics</i> , 2006 , 3, 124-34	5.6	80
396	Carbon-bridged oligo(phenylenevinylene)s: stable π -systems with high responsiveness to doping and excitation. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19254-9	16.4	79
395	Addition of dihydromethano group to fullerenes to improve the performance of bulk heterojunction organic solar cells. <i>Advanced Materials</i> , 2013 , 25, 6266-9	24	78
394	One-step multiple addition of amine to. <i>Organic Letters</i> , 2000 , 2, 3663-5	6.2	78
393	Trichlorotitanium and alkoxytitanium homoenolates. Preparation, characterization, and utilization for organic synthesis. <i>Journal of the American Chemical Society</i> , 1986 , 108, 3745-3755	16.4	78

- 392 Sulfamic Acid-Catalyzed Lead Perovskite Formation for Solar Cell Fabrication on Glass or Plastic Substrates. *Journal of the American Chemical Society*, **2016**, 138, 5410-6 16.4 78
- 391 Iron-catalyzed allylic arylation of olefins via C(sp³)-H activation under mild conditions. *Organic Letters*, **2013**, 15, 714-7 6.2 77
- 390 Modular synthesis of 1H-indenes, dihydro-s-indacene, and diindenoindacene--a carbon-bridged p-phenylenevinylene congener. *Journal of the American Chemical Society*, **2009**, 131, 13596-7 16.4 77
- 389 Creation of hoop- and bowl-shaped benzenoid systems by selective detracting of [60]fullerene conjugation. [10]cyclophenacene and fused corannulene derivatives. *Journal of the American Chemical Society*, **2004**, 126, 8725-34 16.4 77
- 388 Synthesis of Chiral α -Fluoroketones through Catalytic Enantioselective Decarboxylation. *Angewandte Chemie*, **2005**, 117, 7414-7417 3.6 77
- 387 Synthesis of ferrocene/hydrofullerene hybrid and functionalized bucky ferrocenes. *Journal of the American Chemical Society*, **2003**, 125, 13974-5 16.4 76
- 386 Langmuir-Blodgett Film of Amphiphilic C₆₀ Carboxylic Acid. *Langmuir*, **1995**, 11, 660-665 4 76
- 385 Supramolecular Differentiation for Construction of Anisotropic Fullerene Nanostructures by Time-Programmed Control of Interfacial Growth. *ACS Nano*, **2016**, 10, 8796-802 16.7 75
- 384 Iron-catalyzed C-H bond activation for the ortho-arylation of aryl pyridines and imines with Grignard reagents. *Chemistry - an Asian Journal*, **2011**, 6, 3059-65 4.5 75
- 383 Photocurrent-generating properties of organometallic fullerene molecules on an electrode. *Journal of the American Chemical Society*, **2008**, 130, 5016-7 16.4 75
- 382 Ternary Complexes Between DNA, Polyamine, and Cucurbituril: A Modular Approach to DNA-Binding Molecules. *Angewandte Chemie - International Edition*, **2000**, 39, 4257-4260 16.4 73
- 381 Synthesis of β -indenyl-type Fullerene Ligand and Its Metal Complexes via Quantitative Trisarylation of C₇₀. *Journal of the American Chemical Society*, **1998**, 120, 8285-8286 16.4 71
- 380 Aminohydroxyphosphine ligand for the copper-catalyzed enantioselective conjugate addition of organozinc reagents. *Organic Letters*, **2006**, 8, 4153-5 6.2 69
- 379 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, 8457-66 16.4 68
- 378 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 16.4 68
- 377 Disodium Benzodipyrrole Sulfonate as Neutral Hole-Transporting Materials for Perovskite Solar Cells. *Journal of the American Chemical Society*, **2018**, 140, 5018-5022 16.4 67
- 376 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 16.4 66
- 375 Construction of a chiral quaternary carbon center by indium-catalyzed asymmetric α -alkenylation of beta-ketoesters. *Journal of the American Chemical Society*, **2008**, 130, 4492-6 16.4 66

- 374 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, 1446-53 16.4 66
- 373 Warum denn Kupfer? π -Strukturen und Reaktionsmechanismen von Organocupratclustern in der Organischen Chemie. *Angewandte Chemie*, **2000**, 112, 3902-3924 3.6 65
- 372 Preparation and properties of vesicles made of nonpolar/polar/nonpolar fullerene amphiphiles. *Journal of the American Chemical Society*, **2011**, 133, 6364-70 16.4 64
- 371 Penta(organo)[60]fullerenes as acceptors for organic photovoltaic cells. *Journal of Materials Chemistry*, **2009**, 19, 5804 64
- 370 Synthesis of ultrafine Gd₂O₃ nanoparticles inside single-wall carbon nanohorns. *Journal of Physical Chemistry B*, **2006**, 110, 5179-81 3.4 64
- 369 Use of methylenecyclopropanone ketals for cyclopentane synthesis. A new efficient thermal [3 + 2] cycloaddition. *Journal of the American Chemical Society*, **1989**, 111, 7285-7286 16.4 64
- 368 Pentaorgano[60]fullerene R₅C₆₀⊖ A Water Soluble Hydrocarbon Anion. *Chemistry Letters*, **2000**, 29, 1098-1099 1.7 63
- 367 Iron-Catalyzed Chemoselective ortho Arylation of Aryl Imines by Directed C-H Bond Activation. *Angewandte Chemie*, **2009**, 121, 2969-2972 3.6 62
- 366 Modular synthesis of functionalized benzosiloles by tin-mediated cyclization of (o-Alkynylphenyl)silane. *Journal of the American Chemical Society*, **2008**, 130, 4240-1 16.4 62
- 365 Half-Sandwich Metallocene Embedded in a Spherically Extended π -Conjugate System. Synthesis, Structure, and Electrochemistry of Rh(π -C₆₀Me₅)(CO)₂. *Journal of the American Chemical Society*, **2000**, 122, 12407-12408 16.4 62
- 364 Theoretical Studies on Lewis Acid Acceleration in Simmons-Smith Reaction. *Journal of the American Chemical Society*, **1998**, 120, 5844-5845 16.4 62
- 363 Density Functional Studies on Conjugate Addition of (Me₂CuLi)₂ to Cyclohexenone: Stereoselectivity and Rate-Determining Step. *Chemistry - A European Journal*, **1999**, 5, 1534-1543 4.8 62
- 362 Aerobic conversion of organic halides to alcohols. An oxygenative radical cyclization. *Journal of the American Chemical Society*, **1991**, 113, 8980-8982 16.4 62
- 361 Zn(II)/amine-catalyzed coupling reaction of alkylidenemalonates with propargyl alcohol: a one-pot synthesis of methylenetetrahydrofurans. *Organic Letters*, **2004**, 6, 2015-7 6.2 61
- 360 Virtually complete diastereofacial selectivity in the SN₂' allylation of organocopper reagents. *Journal of the American Chemical Society*, **1989**, 111, 3091-3093 16.4 61
- 359 Ring expansion and cleavage of succinoin derivatives. Geminal acylation, reductive succinylation, and stereoselective spiro annelation methods. *Journal of the American Chemical Society*, **1984**, 106, 1759-1773 16.4 61
- 358 Geminal acylation via pinacol rearrangement. Synthesis of spiro[4.n] ring systems. *Journal of the American Chemical Society*, **1977**, 99, 961-963 16.4 61
- 357 Ruthenium(II) Complexes of Pentamethylated [60]Fullerene. Alkyl, Alkynyl, Chloro, Isocyanide, and Phosphine Complexes. *Organometallics*, **2003**, 22, 2554-2563 3.8 60

- 356 Enantioselective Addition of Allylzinc Reagent to Alkynyl Ketones. *Journal of the American Chemical Society*, **1998**, 120, 5846-5847 16.4 60
- 355 Citric Acid Modulated Growth of Oriented Lead Perovskite Crystals for Efficient Solar Cells. *Journal of the American Chemical Society*, **2017**, 139, 9598-9604 16.4 59
- 354 Nickel, Palladium, and Platinum Complexes of η^5 -Cyclopentadienide C60R5 Ligands. Kinetic and Thermodynamic Stabilization Effects of the C60Ph5 Ligand. *Organometallics*, **2004**, 23, 3259-3266 3.8 59
- 353 Oxidative C-H Activation Approach to Pyridone and Isoquinolone through an Iron-Catalyzed Coupling of Amides with Alkynes. *Chemistry - an Asian Journal*, **2016**, 11, 380-4 4.5 58
- 352 Iron-catalyzed chemo- and stereoselective hydromagnesiation of diarylalkynes and diynes. *Journal of the American Chemical Society*, **2012**, 134, 16951-4 16.4 58
- 351 Indium triflate-catalyzed vinylation of beta-ketoesters with acetylene gas. *Organic Letters*, **2005**, 7, 3279-3281 16.4 58
- 350 Complexation of Lewis Acid with Trialkylcopper(III): On the Origin of BF₃-Acceleration of Cuprate Conjugate Addition. *Journal of the American Chemical Society*, **2000**, 122, 1826-1827 16.4 58
- 349 Photocytotoxicity of water-soluble fullerene derivatives. *Bioscience, Biotechnology and Biochemistry*, **1996**, 60, 1359-61 2.1 58
- 348 Multilayer vesicles and vesicle clusters formed by the fullerene-based surfactant C60(CH₃)₅K. *Journal of Colloid and Interface Science*, **2004**, 275, 632-41 9.3 57
- 347 Theoretical Studies on Diastereo- and Enantioselective Rhodium-Catalyzed Cyclization of Diazo Compound via Intramolecular C-H Bond Insertion. *Advanced Synthesis and Catalysis*, **2003**, 345, 1159-1171 5.6 57
- 346 Molecular and supramolecular control of the work function of an inorganic electrode with self-assembled monolayer of umbrella-shaped fullerene derivatives. *Journal of the American Chemical Society*, **2011**, 133, 16997-7004 16.4 56
- 345 Nanometer-sized fluorous fullerene vesicles in water and on solid surfaces. *Angewandte Chemie - International Edition*, **2010**, 49, 1665-8 16.4 56
- 344 Atomic Force Microscope Studies on Condensation of Plasmid DNA with Functionalized Fullerenes This research was supported by Grant-in-Aid for Specially Promoted Research from Ministry of Education, Culture, Sports, Science, and Technology.. *Angewandte Chemie - International Edition*, **2001**, 40, 3364-3367 16.4 56
- 343 Iron-Catalyzed Directed Alkylation of Alkenes and Arenes with Alkylzinc Halides. *Advanced Synthesis and Catalysis*, **2015**, 357, 2175-2179 5.6 55
- 342 Ball-and-socket stacking of supercharged geodesic polyarenes: bonding by interstitial lithium ions. *Journal of the American Chemical Society*, **2005**, 127, 9581-7 16.4 55
- 341 Synthesis and electrochemistry of double-decker buckyferrocenes. *Journal of the American Chemical Society*, **2006**, 128, 7154-5 16.4 55
- 340 Single-step synthesis of pentaaryl-monohydro[60]fullerenes through fivefold addition of organocopper reagent to C60. *Journal of Organometallic Chemistry*, **2000**, 599, 32-36 2.3 55
- 339 Carbometalation of Cyclopropene. Ligand-Induced Enantioselective Allylzincation. *Journal of the American Chemical Society*, **1995**, 117, 1179-1180 16.4 55

- 338 Organic and organometallic derivatives of dihydrogen-encapsulated [60]fullerene. *Journal of the American Chemical Society*, **2005**, 127, 17148-9 16.4 54
- 337 Sharing orbitals: ultrafast excited state deactivations with different outcomes in bucky ferrocenes and ruthenocenes. *Journal of the American Chemical Society*, **2006**, 128, 9420-7 16.4 54
- 336 Molecular photoelectric switch using a mixed SAM of organic [60]fullerene and [70]fullerene doped with a single iron atom. *Journal of the American Chemical Society*, **2011**, 133, 9932-7 16.4 53
- 335 Chemistry of C_{60} -fullerene metal complexes. *Pure and Applied Chemistry*, **2001**, 73, 355-359 2.1 53
- 334 Thermodynamic and kinetic control in selective ligand transfer in conjugate addition of mixed organocuprate Me(X)CuLi . *Journal of the American Chemical Society*, **2005**, 127, 4697-706 16.4 52
- 333 Mechanism and ligand-transfer selectivity of 1,2-addition of organozincate complexes to aldehyde. *Journal of the American Chemical Society*, **2004**, 126, 10897-903 16.4 52
- 332 Synthesis and Reactivity of Bucky Ruthenocene $\text{Ru}(\text{C}_{60}\text{Me}_5)(\text{C}_5\text{H}_5)$. *Chemistry Letters*, **2004**, 33, 68-69 1.7 52
- 331 Addition of Azaenolates to Simple, Unactivated Olefins. *Angewandte Chemie International Edition in English*, **1997**, 36, 2491-2493 51
- 330 Imaging the passage of a single hydrocarbon chain through a nanopore. *Nature Nanotechnology*, **2008**, 3, 595-7 28.7 51
- 329 Regioselective eightfold and tenfold additions of a pyridine-modified organocopper reagent to [60]fullerene. *Angewandte Chemie - International Edition*, **2007**, 46, 2844-7 16.4 51
- 328 Addition of Zincated Hydrazone to Vinyl Grignard Reagent. Ketone Synthesis by One-Pot Assembly of Four Components. *Journal of the American Chemical Society*, **1997**, 119, 5457-5458 16.4 50
- 327 Fluoride Catalyzed Addition of Silylacetylenes to Carbonyl Compounds. *Angewandte Chemie International Edition in English*, **1976**, 15, 498-499 50
- 326 Iron-Catalyzed Borylation of Aryl Chlorides in the Presence of Potassium *t*-Butoxide. *ACS Catalysis*, **2017**, 7, 3199-3203 13.1 49
- 325 *ortho*-Allylation of 1-Arylpyrazoles with Allyl Phenyl Ether via Iron-Catalyzed C-H Bond Activation under Mild Conditions. *Advanced Synthesis and Catalysis*, **2014**, 356, 1481-1485 5.6 49
- 324 Organic solid solution composed of two structurally similar porphyrins for organic solar cells. *Journal of the American Chemical Society*, **2015**, 137, 2247-52 16.4 49
- 323 Synthetic and Computational Studies on Symmetry-Defined Double Cycloaddition of a New Tris-Annulating Reagent to C_{60} . *Journal of Organic Chemistry*, **1997**, 62, 5034-5041 4.2 49
- 322 Enantioselective synthesis of α -substituted ketones by asymmetric addition of chiral zinc enamides to 1-alkenes. *Journal of the American Chemical Society*, **2003**, 125, 6362-3 16.4 49
- 321 Theoretical Studies on $\text{S}_{\text{N}}2$ -Reaction of MeBr with $\text{Me}_2\text{CuLiLiCl}$. Solvent and Cluster Effects on Oxidative Addition/Reductive Elimination Pathway. *Journal of the American Chemical Society*, **1998**, 120, 8273-8274 16.4 49

- 320 Ligand control in the stereoselective allylzincation of cyclopropenes. *Journal of the American Chemical Society*, **1993**, 115, 5867-5868 16.4 49
- 319 General synthesis of cyclopropenones and their acetals. *Tetrahedron*, **1992**, 48, 2045-2057 2.4 49
- 318 Synthesis of functionalized 1H-indenes via copper-catalyzed arylation cyclization of arylalkynes with aromatic sulfonyl chlorides. *Journal of the American Chemical Society*, **2011**, 133, 17638-40 16.4 48
- 317 Iron-catalyzed, directed oxidative arylation of olefins with organozinc and Grignard reagents. *Organic Letters*, **2010**, 12, 2838-40 6.2 48
- 316 Iron-Catalyzed Nitrogen-Directed Coupling of Arene and Aryl Bromides Mediated by Metallic Magnesium. *Advanced Synthesis and Catalysis*, **2012**, 354, 593-596 5.6 47
- 315 pi-Conjugated multidonor/acceptor arrays of fullerene-cobaltadithiolene-tetrathiafulvalene: from synthesis and structure to electronic interactions. *Journal of the American Chemical Society*, **2009**, 131, 12643-9 16.4 47
- 314 Synthesis of benzo[b]siloles via KH-promoted cyclization of (2-alkynylphenyl)silanes. *Organic Letters*, **2009**, 11, 3966-8 6.2 47
- 313 Bucky ferrocene and ruthenocene: serendipity and discoveries. *Journal of Organometallic Chemistry*, **2004**, 689, 4630-4635 2.3 47
- 312 New sensitizers for dye-sensitized solar cells featuring a carbon-bridged phenylenevinylene. *Chemical Communications*, **2013**, 49, 582-4 5.8 46
- 311 Face-to-face C6F5-[60]fullerene interaction for ordering fullerene molecules and application to thin-film organic photovoltaics. *Chemical Communications*, **2010**, 46, 8582-4 5.8 46
- 310 AlCl₃-mediated mono-, di-, and trihydroarylation of [60]fullerene. *Angewandte Chemie - International Edition*, **2007**, 46, 3513-6 16.4 46
- 309 siRNA delivery targeting to the lung via agglutination-induced accumulation and clearance of cationic tetraamino fullerene. *Scientific Reports*, **2014**, 4, 4916 4.9 45
- 308 Synthesis, Electrochemical and Photophysical Properties, and Electroluminescent Performance of the Octa- and Deca(aryl)[60]fullerene Derivatives. *Advanced Functional Materials*, **2009**, 19, 2224-2229 15.6 45
- 307 Theoretical studies on the reaction of solvated methyl lithium open dimer with aldehydes. *Journal of the American Chemical Society*, **1993**, 115, 11016-11017 16.4 45
- 306 Theoretical studies of heteroatom-directed carbometalation. Addition of methylcopper, dimethylcopper anion, and methyl lithium to substituted acetylenes. *Journal of the American Chemical Society*, **1992**, 114, 6686-6692 16.4 45
- 305 Total synthesis of (+)-cortisone. Double-hydroxylation reaction for corticoid synthesis. *Journal of the American Chemical Society*, **1989**, 111, 6257-6265 16.4 45
- 304 Gas-phase reactivity of group 11 dimethylmetallates with allyl iodide. *Journal of the American Chemical Society*, **2012**, 134, 2569-80 16.4 44
- 303 Iron-Catalyzed ortho Monoarylation of Benzamide Derivatives. *Asian Journal of Organic Chemistry*, **2012**, 1, 142-145 3 44

302	Luminescent bow-tie-shaped decaaryl[60]fullerene mesogens. <i>Journal of the American Chemical Society</i> , 2009 , 131, 17058-9	16.4	44
301	Mechanistic study of the manganese-catalyzed [2 + 2 + 2] annulation of 1,3-dicarbonyl compounds and terminal alkynes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4099-109	16.4	44
300	Atomic-Resolution Transmission Electron Microscopic Movies for Study of Organic Molecules, Assemblies, and Reactions: The First 10 Years of Development. <i>Accounts of Chemical Research</i> , 2017 , 50, 1281-1292	24.3	43
299	Synthesis of tetrasubstituted alkenes by stereo- and regioselective stannylolithiation of diarylacetylenes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 11854-5	16.4	43
298	Mössbauer spectroscopy of bucky ferrocenes: lattice dynamics and motional anisotropy of the metal atom. <i>Inorganic Chemistry</i> , 2005 , 44, 5629-35	5.1	43
297	Convergent synthesis of a polyfunctionalized fullerene by regioselective five-fold addition of a functionalized organocopper reagent to C ₆₀ . <i>Organic Letters</i> , 2006 , 8, 1463-6	6.2	43
296	Manganese-Catalyzed Directed Methylation of C(sp)-H Bonds at 25 °C with High Catalytic Turnover. <i>Organic Letters</i> , 2017 , 19, 5458-5461	6.2	42
295	Energetics of water permeation through fullerene membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 14895-8	11.5	42
294	Theoretical studies on structures and reactivities of organocuprate(I) and organocopper(III) species. <i>Journal of Computational Chemistry</i> , 2003 , 24, 1401-9	3.5	42
293	Synthesis of Pentamethyl-monohydro[60]fullerene C ₆₀ Me ₅ H and Its Use as Cyclopentadienyl-Type Ligand Precursor. <i>Chemistry Letters</i> , 2000 , 29, 270-271	1.7	42
292	Correlation of Reactivities of Organocuprate(I) and Zincate(II) with d-Orbital Energies of Ate Complexes. <i>Tetrahedron</i> , 2000 , 56, 2805-2809	2.4	42
291	Ligand Transfer Selectivity in the Conjugate Addition of a Mixed Organocuprate Bearing a Dummy Ligand. <i>Journal of the American Chemical Society</i> , 1999 , 121, 8941-8942	16.4	42
290	Thermal hetero [3 + 2] cycloaddition approach to functionalized tetrahydrofurans. <i>Journal of Organic Chemistry</i> , 1990 , 55, 5553-5555	4.2	42
289	Bis(aminoaryl) Carbon-Bridged Oligo(phenylenevinylene)s Expand the Limits of Electronic Couplings. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2898-2902	16.4	41
288	An amorphous mesophase generated by thermal annealing for high-performance organic photovoltaic devices. <i>Advanced Materials</i> , 2012 , 24, 3521-5	24	41
287	Polymer Janus particles containing block-copolymer stabilized magnetic nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 3262-6	9.5	41
286	Electron microscopic imaging of a single Group 8 metal atom catalyzing C-C bond reorganization of fullerenes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14151-3	16.4	41
285	Stereoselective synthesis of tetra-substituted olefins via addition of zinc enolates to unactivated alkynes. <i>Organic Letters</i> , 2004 , 6, 4837-40	6.2	41

284	Reaction pathway and stereoselectivity of asymmetric synthesis of chrysanthemate with the aratani C1-symmetric salicylaldimine-copper catalyst. <i>Journal of the American Chemical Society</i> , 2004 , 126, 7271-80	16.4	41
283	1,2-Asymmetric induction in the SN2'-allylation of organocopper and organozinc reagents. <i>Journal of Organic Chemistry</i> , 1993 , 58, 5121-5129	4.2	41
282	Nickel-catalyzed synthesis of diarylamines via oxidatively induced C-N bond formation at room temperature. <i>Organic Letters</i> , 2012 , 14, 5570-3	6.2	40
281	Alpha-alkylation of ketones by addition of zinc enamides to unactivated olefins. <i>Journal of the American Chemical Society</i> , 2004 , 126, 11820-5	16.4	40
280	A Cage with Fullerene End Caps. <i>Journal of the American Chemical Society</i> , 2000 , 122, 2669-2670	16.4	40
279	New Tools in Synthetic Organocopper Chemistry. <i>Synlett</i> , 1991 , 1991, 539-547	2.2	40
278	Copper-catalyzed reactions of organotitanium reagents. Highly SN2'- and anti-selective and diastereo- and chemoselective alkylation of allylic chlorides and phosphates. <i>Journal of Organic Chemistry</i> , 1991 , 56, 5489-5491	4.2	40
277	Planarization, fusion, and strain of carbon-bridged phenylenevinylene oligomers enhance π -electron and charge conjugation: a dissectional vibrational Raman study. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3834-43	16.4	39
276	Octupole-like supramolecular aggregates of conical iron fullerene complexes into a three-dimensional liquid crystalline lattice. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15514-5	16.4	39
275	On the Reaction Mechanism of Higher-Order Cuprate—Alias—Lipshutz Cuprate— <i>Bulletin of the Chemical Society of Japan</i> , 2004 , 77, 1-12	5.1	39
274	Asymmetric construction of quaternary carbon centers by regio- and enantiocontrolled allylzincation. <i>Organic Letters</i> , 2000 , 2, 2193-6	6.2	39
273	π -Electronic Co-crystal Microcavities with Selective Vibronic-Mode Light Amplification: Toward π -Ester Resonance Energy Transfer Lasing. <i>Nano Letters</i> , 2018 , 18, 4396-4402	11.5	38
272	Synthesis and catalytic activity of rhodium diene complexes bearing indenyl-type fullerene π -ligand. <i>Journal of Organometallic Chemistry</i> , 2003 , 683, 295-300	2.3	38
271	Thermal Hetero [3 + 2] Cycloaddition of Dipolar Trimethylenemethane to O-Alkyloximes. Straightforward Synthetic Routes to Substituted Pyrrolidines and Prolines. <i>Journal of Organic Chemistry</i> , 1998 , 63, 1694-1703	4.2	38
270	Theoretical studies on carbometalation of cyclopropene. Transition structures of addition of methyl anion, methyllithium, methylcopper, and Me ₂ Cu- and origin of the high reactivity of the strained double bond. <i>Journal of the American Chemical Society</i> , 1993 , 115, 99-106	16.4	38
269	Atomistic structures and dynamics of prenucleation clusters in MOF-2 and MOF-5 syntheses. <i>Nature Communications</i> , 2019 , 10, 3608	17.4	37
268	n-Type doping for efficient polymeric electron-transporting layers in perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18852-18856	13	37
267	Enantioselective Copper-Catalyzed Allylic Substitution Reaction with Aminohydroxyphosphine Ligand. <i>Advanced Synthesis and Catalysis</i> , 2009 , 351, 1014-1018	5.6	37

- 266 Synthesis and Derivatization of Iridium(I) and Iridium(III) Pentamethyl[60]fullerene Complexes. *Organometallics*, **2005**, 24, 89-95 3.8 37
- 265 Rhenium-templated regioselective polyhydrogenation reaction of [60]fullerene. *Angewandte Chemie - International Edition*, **2003**, 42, 3530-2 16.4 37
- 264 Synthesis of fullerene glycoconjugates through sulfide connection in aqueous media. *Organic Letters*, **2003**, 5, 4461-3 6.2 37
- 263 Stepwise Synthesis of Fullerene Cyclopentadienide R(5)C(60)(-) and Indenide R(3)C(60)(-). An Approach to Fully Unsymmetrically Substituted Derivatives. *Organic Letters*, **2000**, 2, 1919-1921 6.2 37
- 262 Theoretical Studies on Solvent and Substituent Effects of Cuprate Conjugate Addition. *Organometallics*, **2001**, 20, 5675-5681 3.8 37
- 261 Regiocontrolled synthesis of 1,2-di(organo)fullerenes via copper-assisted 1,4-aryl migration from silicon to carbon. *Organic Letters*, **2011**, 13, 6058-61 6.2 36
- 260 Tetraaryl-substituted benzo[1,2-b:4,5-b']dipyrroles: synthesis, properties, and applications to hole-injection materials in OLED devices. *Chemistry - an Asian Journal*, **2009**, 4, 655-7 4.5 36
- 259 Alkylation of magnesium enamide with alkyl chlorides and fluorides. *Journal of the American Chemical Society*, **2005**, 127, 14192-3 16.4 36
- 258 A single electron transfer pathway in the [3+2] cycloaddition of dipolar trimethylenemethane with olefins. *Journal of the American Chemical Society*, **1993**, 115, 5344-5345 16.4 36
- 257 3-Zincobenzofuran and 3-Zincindole: Versatile Tools for the Construction of Conjugated Structures Containing Multiple Benzoheterole Units. *Angewandte Chemie*, **2006**, 118, 958-961 3.6 35
- 256 Olefin Carbometalation with (Alkoxy)allylic Lithium and Zinc Reagents. Four-Centered vs Six-Centered Mechanism of Allylmetalation Reaction. *Journal of the American Chemical Society*, **1998**, 120, 13334-13341 16.4 35
- 255 Synthesis and [2 + 2] Cycloaddition of Dimethyleneketene Acetals. Reaction with C60 and Facile Hydrolysis of the C-C Bond Connected to C60. *Journal of the American Chemical Society*, **1994**, 116, 1123-1124 16.4 35
- 254 Reversible generation of trimethylenemethanes by mild thermolysis of dialkoxymethylenecyclopropanes. *Journal of the American Chemical Society*, **1991**, 113, 3183-3184 16.4 35
- 253 Axially Chiral Spiro-Conjugated Carbon-Bridged -Phenylenevinylene Congeners: Synthetic Design and Materials Properties. *Journal of the American Chemical Society*, **2020**, 142, 2059-2067 16.4 35
- 252 Chemical Formation and Multiple Applications of Organic-Inorganic Hybrid Perovskite Materials. *Journal of the American Chemical Society*, **2019**, 141, 1406-1414 16.4 35
- 251 Iron/Zinc-Co-catalyzed Directed Arylation and Alkenylation of C(sp³)H Bonds with Organoborates. *ACS Catalysis*, **2017**, 7, 89-92 13.1 34
- 250 In vitro and in vivo gene delivery with tailor-designed aminofullerenes. *Chemical Record*, **2010**, 10, 260-706.6 34
- 249 Uniquely shaped double-decker buckyferrocenes--distinct electron donor-acceptor interactions. *Journal of the American Chemical Society*, **2008**, 130, 16207-15 16.4 34

248	Remote Chirality Transfer within a Coordination Sphere by the Use of a Ligand Possessing a Concave Cavity. <i>Organometallics</i> , 2006 , 25, 2826-2832	3.8	34
247	Synthesis of Functionalized Fullerene by Mono-alkylation of Fullerene Cyclopentadienide. <i>Chemistry Letters</i> , 2004 , 33, 328-329	1.7	34
246	Capturing the Moment of Emergence of Crystal Nucleus from Disorder. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1763-1767	16.4	34
245	Indole Synthesis via Cyclative Formation of 2,3-Dizincindoles and Regioselective Electrophilic Trapping. <i>Journal of the American Chemical Society</i> , 2017 , 139, 23-26	16.4	33
244	Homocoupling-free iron-catalysed twofold C ₆₀ activation/cross-couplings of aromatics via transient connection of reactants. <i>Nature Catalysis</i> , 2019 , 2, 400-406	36.5	33
243	Mechanism of Addition of Allylmetal to Vinylmetal. Dichotomy between Metalloene Reaction and Metallacyclopentadiene Rearrangement. <i>Journal of the American Chemical Society</i> , 2000 , 122, 11791-11798	16.4	33
242	Movies of molecular motions and reactions: the single-molecule, real-time transmission electron microscope imaging technique. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 236-52	16.4	32
241	Iron-Catalyzed Cross-Coupling Reactions 2013 , 1-210		32
240	A water-soluble fullerene vesicle alleviates angiotensin II-induced oxidative stress in human umbilical venous endothelial cells. <i>Hypertension Research</i> , 2008 , 31, 141-51	4.7	32
239	Regioselective and endo-stereoselective [3 + 2] cycloaddition of dipolar trimethylenemethane to electron-deficient olefin. <i>Journal of the American Chemical Society</i> , 1992 , 114, 8707-8708	16.4	32
238	Real-Time Video Imaging of Mechanical Motions of a Single Molecular Shuttle with Sub-Millisecond Sub-Angstrom Precision. <i>Bulletin of the Chemical Society of Japan</i> , 2020 , 93, 1079-1085	5.1	31
237	The hydrogen/deuterium isotope effect of the host material on the lifetime of organic light-emitting diodes. <i>Chemical Communications</i> , 2014 , 50, 14870-2	5.8	31
236	Cooperative Self-Assembly of Gold Nanoparticles on the Hydrophobic Surface of Vesicles in Water. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7568-71	16.4	31
235	Synthesis of 1,4-diaryl[60]fullerenes by bis-hydroarylation of C ₆₀ and their use in solution-processable, thin-film organic photovoltaic cells. <i>Tetrahedron Letters</i> , 2011 , 52, 2240-2242	2	31
234	A Modular Approach to Arylated Carbonyl Compounds via Indium Tris(bistriflylamide)-Catalyzed Regioselective Addition of Ketoesters to 1,3-Diynes. <i>Advanced Synthesis and Catalysis</i> , 2005 , 347, 1681-1686	5.6	31
233	Theoretical studies of nucleophilic additions of monomeric and dimeric organometallics. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994 , 90, 1789		31
232	An Efficient and Color-Tunable Solution-Processed Organic Thin-Film Laser with a Polymeric Top-Layer Resonator. <i>Advanced Optical Materials</i> , 2017 , 5, 1700238	8.1	30
231	Bis-cinnolines as n-type semiconducting material with high electron mobility and thermal stability and their application in organic photovoltaic cells. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 2005-8	4.5	30

230	Imaging of conformational changes of biotinylated triamide molecules covalently bonded to a carbon nanotube surface. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7808-9	16.4	30
229	Imaging of Aromatic Amide Molecules in Motion. <i>Chemistry Letters</i> , 2007 , 36, 1208-1209	1.7	30
228	Thermal and palladium-catalyzed [3 + 2] synthesis of cyclopentadienone acetals from cyclopropenone acetals and acetylenes. <i>Organic Letters</i> , 2004 , 6, 3569-71	6.2	30
227	Regio- and diastereo-controlled double cycloaddition to [60] fullerene: one-step synthesis of C _s and C ₂ chiral organofullerenes with new tris-annulating reagents. <i>Chemical Communications</i> , 1996 , 1747	5.8	30
226	Structurally Defined High-LUMO-Level [70] Fullerene Derivatives: Synthesis and Application in Organic Photovoltaic Cells. <i>Chemistry of Materials</i> , 2012 , 24, 2572-2582	9.6	29
225	Deterioration of bulk heterojunction organic photovoltaic devices by a minute amount of oxidized fullerene. <i>Chemical Communications</i> , 2012 , 48, 3878-80	5.8	29
224	Synthesis of Metal Fullerene Complexes by the Use of Fullerene Halides. <i>Organometallics</i> , 2008 , 27, 3403-3409	3.8	29
223	Bimetallic Synergism in Alkyne Silylformylation Catalyzed by a Cobalt-Rhodium Mixed-Metal Cluster. <i>Organometallics</i> , 2006 , 25, 3867-3875	3.8	29
222	Regioselective allylzincation of alkenylboronate. <i>Organic Letters</i> , 2001 , 3, 3137-40	6.2	29
221	Chemical derivatization of organofullerenes through oxidation, reduction, and carbon-oxygen and carbon-carbon bond-forming reactions. <i>Journal of Organic Chemistry</i> , 1993 , 58, 4796-4798	4.2	29
220	Thermal reactions of substituted cyclopropenone acetals. Regio- and stereochemistry of vinylcarbene formation and low-temperature [3 + 2] cycloaddition. <i>Journal of the American Chemical Society</i> , 1992 , 114, 5523-5530	16.4	29
219	Copper-catalyzed reactions of organotitanium reagents. Highly selective S _N 2'-allylation and conjugate addition. <i>Tetrahedron</i> , 1992 , 48, 5709-5718	2.4	29
218	Chiral ruthenium-allenylidene complexes that bear a fullerene cyclopentadienyl ligand: synthesis, characterization, and remote chirality transfer. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 358-66	4.5	28
217	X-ray Crystallographic Characterization of Potassium Pentaphenyl[60]fullerene. <i>Chemistry Letters</i> , 2005 , 34, 1078-1079	1.7	28
216	Synergetic Dimetallic Effects in Gaudemar/Normant Coupling between Allylzinc and Vinyl Grignard Reagents. <i>Journal of the American Chemical Society</i> , 1999 , 121, 8665-8666	16.4	28
215	Applications of metalated cyclopropenone ketals in a general synthesis of cyclopropenones. An efficient synthesis of the antibiotic penicillin. <i>Journal of Organic Chemistry</i> , 1989 , 54, 4727-4729	4.2	27
214	Synthesis of benzotrifuran and benzotripyrrole derivatives and molecular orientations on the surface and in the solid state. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 2377-82	4.5	26
213	Cu(I)-mediated regioselective tri-addition of Grignard reagent to [70]fullerene. Synthesis of indenyl-type metal ligand embedded into graphitic structure. <i>Journal of Materials Chemistry</i> , 2002 , 12, 2109-2115		26

212	Three-Dimensionally Homoconjugated Carbon-Bridged Oligophenylenevinylene for Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10897-904	16.4	26
211	Isolation of planar four-membered aromatic systems by using confined spaces of cobalt pentaaryl[60]fullerene complexes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 6890-3	16.4	25
210	Diastereoselective addition of zincated hydrazones to alkenylboronates and stereospecific trapping of boron/zinc bimetallic intermediates by carbon electrophiles. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15688-701	16.4	25
209	Synthesis of trialkyl[60]fullerene C ₆₀ (CH ₂ SiMe ₃) ₃ H and its potassium and rhodium(I) complexes. <i>Inorganica Chimica Acta</i> , 2006 , 359, 1979-1982	2.7	25
208	Regioselective synthesis of [60]fullerene eta 5-indenide R ₃ C ₆₀ - and eta 5-cyclopentadienide R ₅ C ₆₀ - bearing different R groups. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 2604-11	3.9	25
207	Ultra-rapid synthesis of ¹⁵ O-labeled 2-deoxy-D-glucose for positron emission tomography (PET). <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2708-2711	16.4	25
206	Correlation of coordination geometry of copper atom to reactivities of organocuprate. Molecular orbital analysis of dimethylcuprate anion. <i>Tetrahedron Letters</i> , 1999 , 40, 5319-5322	2	25
205	A new class of proteinase inhibitor. Cyclopropenone-containing inhibitor of papain. <i>Journal of the American Chemical Society</i> , 1993 , 115, 1174-1175	16.4	25
204	Fulleren-Oligonucleotid-Konjugate: photoinduzierte sequenzspezifische DNA-Spaltung. <i>Angewandte Chemie</i> , 1994 , 106, 2526-2529	3.6	25
203	Carbon-Bridged Oligo(phenylene vinylene)s: A de Novo Designed, Flat, Rigid, and Stable EConjugated System. <i>Accounts of Chemical Research</i> , 2019 , 52, 2939-2949	24.3	24
202	Carbazolyl benzo[1,2-b:4,5-b']difuran: an ambipolar host material for full-color organic light-emitting diodes. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 1443-50	4.5	24
201	Iron-catalyzed oxidative monoarylation of primary amines with organozinc reagents. <i>Organic Letters</i> , 2011 , 13, 5998-6001	6.2	24
200	Di- and trinuclear [70]fullerene complexes: syntheses and metal-metal electronic interactions. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6239-41	16.4	24
199	Conversion of Alkyl Halides into Alcohols Using a Near Stoichiometric Amount of Molecular Oxygen: An Efficient Route to ¹⁸ O- and ¹⁷ O-Labeled Alcohols. <i>Synlett</i> , 1997 , 1997, 801-802	2.2	24
198	Mechanism of remote conjugate addition of lithium organocuprates to polyconjugated carbonyl compounds. <i>Chemistry - an Asian Journal</i> , 2006 , 1, 322-30	4.5	24
197	Coupling of Alkylarene and Pentamethyl[60]fullerene by Iridium-catalyzed Benzylic C-H Bond Activation. <i>Chemistry Letters</i> , 2006 , 35, 858-859	1.7	24
196	Mechanism of substitution reaction on sp ² -carbon center with lithium organocuprate. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12264-5	16.4	24
195	Three-component synthesis of polysubstituted benzene derivatives via Diels-Alder reaction of cyclopentadienone acetal with alkyne. <i>Tetrahedron</i> , 2005 , 61, 11449-11455	2.4	24

194	One-Pot Synthesis of Pyrroles through Carbometalation Reaction of Zincated Hydrazone with Vinylstannane. <i>Organic Letters</i> , 1999 , 1, 1505-1507	6.2	24
193	Synthetic Strategy for Multisubstituted Fused Furan Compounds Using Main-Group Metal Reagents. <i>Synlett</i> , 2014 , 25, 2099-2110	2.2	23
192	Group 6 Metal Complexes of the β -Pentamethyl[60]fullerene. <i>Organometallics</i> , 2008 , 27, 4611-4617	3.8	23
191	Mechanism of the Nucleophilic Substitution of Acyl Electrophiles using Lithium Organocuprates. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 1063-1072	5.6	23
190	Reaction pathway of conjugate addition of lithium organozincates to s-trans-enones. <i>Journal of the American Chemical Society</i> , 2007 , 129, 13360-1	16.4	23
189	Mechanism of Addition of Organocuprates to Alkynyl Carbonyl Compounds. A Mechanistic Bridge between Carbocupration and Conjugate Addition. <i>Organometallics</i> , 2004 , 23, 1081-1088	3.8	23
188	Synthesis and Transfection Capability of Multi-Functionalized Fullerene Polyamine. <i>Chemistry Letters</i> , 2001 , 30, 1214-1215	1.7	23
187	Iron-Catalyzed Remote Arylation of Aliphatic C-H Bond via 1,5-Hydrogen Shift. <i>ACS Catalysis</i> , 2018 , 8, 8-11	13.1	23
186	Organic/Inorganic Hybrid p-Type Semiconductor Doping Affords Hole Transporting Layer Free Thin-Film Perovskite Solar Cells with High Stability. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 22603-22611	9.5	22
185	Electron microscopic observation of selective excitation of conformational change of a single organic molecule. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3474-7	16.4	22
184	Conformational analysis of single perfluoroalkyl chains by single-molecule real-time transmission electron microscopic imaging. <i>Journal of the American Chemical Society</i> , 2014 , 136, 466-73	16.4	22
183	Protein-coated nanocapsules via multilevel surface modification. Controlled preparation and microscopic analysis at nanometer resolution. <i>Chemical Communications</i> , 2013 , 49, 3525-7	5.8	22
182	Single-Crystal Organic Field-Effect Transistors of Naphthodifurans. <i>Bulletin of the Chemical Society of Japan</i> , 2015 , 88, 776-783	5.1	22
181	Mechanochromic and Color-change Properties of 2,6-Di(2-pyridyl)benzo[1,2-b:4,5-b']difuran in the Solid and Solution. <i>Chemistry Letters</i> , 2011 , 40, 576-578	1.7	22
180	Indium-catalyzed [1 + n] annulation reaction between beta-ketoester and alpha,omega-diyne. <i>Organic Letters</i> , 2009 , 11, 1845-7	6.2	22
179	Addition of tetrahydrofuran to [60]fullerene through C-H bond activation induced by arylzinc reagents. <i>Organic Letters</i> , 2008 , 10, 1251-4	6.2	22
178	Penta(pyrenyl)[60]fullerenes: pyrene-pyrene and [60]fullerene-pyrene interactions in the crystal and in solution. <i>Chemistry - an Asian Journal</i> , 2008 , 3, 1350-7	4.5	22
177	Preparation, Purification, Characterization, and Cytotoxicity Assessment of Water-Soluble, Transition-Metal-Free Carbon Nanotube Aggregates. <i>Angewandte Chemie</i> , 2006 , 118, 6828-6832	3.6	22

- 176 Fractal behavior of functionalized fullerene aggregates. I. Aggregation of two-handed tetraaminofullerene with DNA. *Langmuir*, **2005**, 21, 9824-31 4 22
- 175 Synthesis of hydrophosphorylated fullerene under neutral conditions. *Organic Letters*, **2005**, 7, 5633-5 6.2 22
- 174 Interfacial Chemistry of Conical Fullerene Amphiphiles in Water. *Accounts of Chemical Research*, **2019**, 52, 2090-2100 24.3 21
- 173 Synthesis, crystal packing, and ambipolar carrier transport property of twisted dibenzo[g,p]chrysenes. *Chemistry - an Asian Journal*, **2014**, 9, 1623-8 4.5 21
- 172 Efficient bidirectional photocurrent generation by self-assembled monolayer of penta(aryl)[60]fullerene phosphonic acid. *Chemistry - an Asian Journal*, **2009**, 4, 1208-12 4.5 21
- 171 Synthesis of Polysubstituted Naphthalenes by Iron-Catalyzed [2+2+2] Annulation of Grignard Reagents with Alkynes. *Synlett*, **2012**, 23, 2381-2384 2.2 21
- 170 Acid-Responsive Conductive Nanofiber of Tetrabenzoporphyrin Made by Solution Processing. *Journal of the American Chemical Society*, **2018**, 140, 62-65 16.4 21
- 169 Anthradifuran, a Furan Analogue of Pentacene, and Its Isomers, Exhibiting Solid-state Photoluminescence. *Chemistry Letters*, **2012**, 41, 957-959 1.7 20
- 168 Ligand exchange reactions in Cu(III) complexes: mechanistic insights by combined NMR and DFT studies. *Chemical Communications*, **2010**, 46, 4625-6 5.8 20
- 167 A ruthenium bridge in fullerene-ferrocene arrays: synthesis of [Ru(C60Me5)R(CO)2] (R=C6H4Fc, C identical with Cfc) and their charge-transfer properties. *Chemistry - an Asian Journal*, **2008**, 3, 841-8 4.5 20
- 166 Mechanism of remote conjugate addition of a lithium organocuprate to a polyconjugated carbonyl compound. *Angewandte Chemie - International Edition*, **2005**, 44, 4721-3 16.4 20
- 165 Direct Microscopic Analysis of Individual C Dimerization Events: Kinetics and Mechanisms. *Journal of the American Chemical Society*, **2017**, 139, 18281-18287 16.4 20
- 164 Heterogeneous catalase-like activity of gold(i)-cobalt(iii) metallocsupramolecular ionic crystals. *Chemical Science*, **2017**, 8, 2671-2676 9.4 19
- 163 Chromium(III)-Catalyzed C(sp)-H Alkynylation, Allylation, and Naphthalenation of Secondary Amides with Trimethylaluminum as Base. *Journal of the American Chemical Society*, **2020**, 142, 4883-4891 16.4 19
- 162 Mobility of long-lived fullerene radical in solid state and nonlinear temperature dependence. *Journal of the American Chemical Society*, **2014**, 136, 3366-9 16.4 19
- 161 Unraveling organocuprate complexity: fundamental insights into intrinsic group transfer selectivity in alkylation reactions. *Journal of Organic Chemistry*, **2014**, 79, 1320-34 4.2 19
- 160 Loading pentapod deca(organo)[60]fullerenes with electron donors: from photophysics to photoelectrochemical bilayers. *Journal of the American Chemical Society*, **2010**, 132, 6342-8 16.4 19
- 159 Photoinduced electron transfer of nanohybrids of carbon nanohorns with amino groups and tetrabenzoic acid porphyrin in aqueous media. *New Journal of Chemistry*, **2009**, 33, 2261 3.6 19

158	Benzophosphole oxide and sulfide for thermally stable cathode buffer layers in organic thin-film photovoltaic devices. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 1294-7	4.5	19
157	Light emission of [10]cyclophenacene through energy transfer from neighboring carbazoylphenyl dendrons. <i>Organic Letters</i> , 2008 , 10, 4145-7	6.2	19
156	Synthesis of C5-symmetric functionalized [60]fullerenes by copper-mediated 5-fold addition of Reformatsky reagents. <i>Organic Letters</i> , 2008 , 10, 621-3	6.2	19
155	Unusual Homocoupling in the Reaction of Diorganocuprates with an Allylic Halide. <i>Organometallics</i> , 2006 , 25, 2129-2132	3.8	19
154	Kinetic Reactivity of "Higher Order Cuprates" in S(N)2 Alkylation Reactions We thank Prof. A. Alexakis and Prof. B. Breit for providing unpublished results.11 Generous allotment of computer time from the Institute of Molecular Science and the Intelligent Modeling Laboratories, the University of Tokyo, is gratefully acknowledged.. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 1935-1938	16.4	19
153	[3+2] Cycloaddition of Trimethylenemethane and its Synthetic Equivalents 2002 , 1-217		19
152	Flexibility of components alters the self-assembly pathway of PdL coordination cages. <i>Dalton Transactions</i> , 2018 , 47, 3258-3263	4.3	18
151	Hoop-Shaped Condensed Aromatic Systems: Synthesis and Structure of Iron- and Ruthenium-Hepta(organo)[60]fullerene Complexes. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 948-55	4.5	18
150	Mechanisms of Copper-mediated Addition and Substitution Reactions315-346		18
149	Me3SiCl-assisted 1,2-addition of organocuprates to carbonyl compounds. <i>Tetrahedron Letters</i> , 1989 , 30, 1975-1978	2	18
148	Benzodipyrrole-based Donor-Acceptor-type Boron Complexes as Tunable Near-infrared-Absorbing Materials. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2016-20	4.5	18
147	Conical Ionic Amphiphiles Endowed with Micellization Ability but Lacking Air-Water and Oil-Water Interfacial Activity. <i>Journal of the American Chemical Society</i> , 2017 , 139, 7677-7680	16.4	17
146	Iron-Catalyzed Synthesis of Indenones through Cyclization of Carboxamides with Alkynes. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 1327-1329	3	17
145	Indium-Catalyzed Cycloisomerization of α -alkynyl- β -ketoesters into Six- to Fifteen-Membered Rings. <i>Angewandte Chemie</i> , 2007 , 119, 8206-8208	3.6	17
144	Theoretical studies on π -complex formation of organocopper compounds with acetylene. The origin of nucleophilicity of organocuprates. <i>Computational and Theoretical Chemistry</i> , 1999 , 461-462, 167-175		17
143	A Concise Synthetic Route to Cyclopentenes by [3 + 2] Cycloaddition of Dipolar Trimethylenemethane to Alkynes. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 2154-2156		17
142	Aryl Radical Addition to Curvatures of Carbon Nanohorns for Single-Molecule-Level Molecular Imaging. <i>Bulletin of the Chemical Society of Japan</i> , 2020 , 93, 1603-1608	5.1	17
141	Fullerene cation-mediated demethylation/cyclization to give 5- and 7-membered cyclo[60]fullerene derivatives. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2774-2783	13	16

- 140 Homo- and Copolymers Based on Carbon-Bridged Oligo(p-phenylenevinylene)s for Efficient Fluorescence over the Entire Visible Region. *Macromolecules*, **2018**, 51, 2961-2968 5.5 16
- 139 Carbon-Bridged p-Phenylenevinylene Polymer for High-Performance Solution-Processed Distributed Feedback Lasers. *Advanced Optical Materials*, **2018**, 6, 1800069 8.1 16
- 138 Synthesis of Triphosphatruxene via Sextuple Aromatic Nucleophilic Substitution and Simple Isolation of Stereoisomers. *Chemistry Letters*, **2014**, 43, 676-677 1.7 16
- 137 Regioselective synthesis of tetra(aryl)-mono(silylmethyl)[60]fullerenes and derivatization to methanofullerene compound. *Tetrahedron*, **2011**, 67, 9944-9949 2.4 16
- 136 Bis(carbazolyl)benzodifuran has a high triplet energy level for application in blue phosphorescent OLED. *Chemistry - an Asian Journal*, **2011**, 6, 2296-300 4.5 16
- 135 Photoaddition of silyl ketene acetal to [60]fullerene. Synthesis of Fullerene-substituted carboxylic esters. *Journal of the Chemical Society Chemical Communications*, **1994**, 2753-2754 16
- 134 B/N-Doped -Arylenevinylene Chromophores: Synthesis, Properties, and Microcrystal Electron Crystallographic Study. *Journal of the American Chemical Society*, **2020**, 142, 18990-18996 16.4 16
- 133 Iron-Catalyzed Directed Alkylation of Carboxamides with Olefins via a Carbometalation Pathway. *ACS Catalysis*, **2018**, 8, 11478-11482 13.1 16
- 132 Hierarchical Assembly of siRNA with Tetraamino Fullerene in Physiological Conditions for Efficient Internalization into Cells and Knockdown. *ACS Applied Materials & Interfaces*, **2018**, 10, 19347-19354 9.5 15
- 131 1-Aryl-4-silylmethyl[60]fullerenes: synthesis, properties, and photovoltaic performance. *Chemistry - an Asian Journal*, **2013**, 8, 121-8 4.5 15
- 130 Substituent-Dependent Ordering of Adlayer Structures of Fullerene Derivatives Adsorbed on Au(111): A Scanning Tunneling Microscopy Study. *Journal of Physical Chemistry C*, **2010**, 114, 3170-3174 3.8 15
- 129 Chlorosilane-Mediated 1,2-Addition of Organocuprates to α,β -Unsaturated Aldehydes: A Case of Vinylogous Cram's Rule. *Synlett*, **1992**, 1992, 309-310 2.2 15
- 128 Synthesis of Esomeprazole and Related Proton Pump Inhibitors through Iron-Catalyzed Enantioselective Sulfoxidation. *ACS Catalysis*, **2018**, 8, 9738-9743 13.1 15
- 127 Coherent Resonant Electron Tunneling at 9 and 300 K through a 4.5 nm Long, Rigid, Planar Organic Molecular Wire. *ACS Omega*, **2018**, 3, 5125-5130 3.9 14
- 126 Experimental study on interconversion between cubic MOF-5 and square MOF-2 arrays. *Inorganic Chemistry Communication*, **2017**, 84, 1-4 3.1 14
- 125 Fabrication of NIR-Excitable SERS-Active Composite Particles Composed of Densely Packed Au Nanoparticles on Polymer Microparticles. *Particle and Particle Systems Characterization*, **2015**, 32, 441-447 3.1 14
- 124 Regioselective Eightfold and Tenfold Additions of a Pyridine-Modified Organocopper Reagent to [60]Fullerene. *Angewandte Chemie*, **2007**, 119, 2902-2905 3.6 14
- 123 Functionalized Fullerene as an Artificial Vector for Transfection. *Angewandte Chemie*, **2000**, 112, 4424-4427 3.2 14

122	Carbon-Bridged Phenylene-Vinylens: On the Common Diradicaloid Origin of Their Photonic and Chemical Properties. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 23141-23148	3.8	13
121	Effects of water on the forward and backward conversions of lead(II) iodide to methylammonium lead perovskite. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23815-23821	13	13
120	Neutron Scattering Reveals Water Confined in a Watertight Bilayer Vesicle. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11261-11266	16.4	13
119	Large Electronic Coupling in a Homoconjugated Donor-Acceptor System Involving Carbon-bridged Oligo(p-phenylenevinylene) and Triazine. <i>Chemistry Letters</i> , 2014 , 43, 699-701	1.7	13
118	Tripyridyltruxenes: Thermally Stable Cathode Buffer Materials for Organic Thin-Film Solar Cells. <i>Asian Journal of Organic Chemistry</i> , 2012 , 1, 34-37	3	13
117	Modular synthesis and photophysical and electrochemical properties of 2,3,5,6-tetraaryl-substituted benzo[1,2-b:5,4-b']difurans. <i>Heteroatom Chemistry</i> , 2011 , 22, 316-324	1.2	13
116	Iron and ruthenium nanoparticles in carbon prepared by thermolysis of buckymetalloenes. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 457-65	4.5	13
115	Rational Electrolyte Design to Form Inorganic-Polymeric Interphase on Silicon-Based Anodes. <i>ACS Energy Letters</i> , 2021 , 6, 1811-1820	20.1	13
114	DNA Binding of Pentaamino[60]fullerene Synthesized Using Click Chemistry. <i>Chemistry Letters</i> , 2015 , 44, 378-380	1.7	12
113	Synthesis of Tetradeca- and Pentadeca(organo)[60]fullerenes Containing Unique Photo- and Electroluminescent π -Conjugated Systems. <i>Chemistry of Materials</i> , 2012 , 24, 3972-3980	9.6	12
112	Magnetic Properties of Decamethyl Fullerenes: Radical Spin Interactions in Chemically Functionalized Fullerenes. <i>Applied Physics Express</i> , 2013 , 6, 045102	2.4	12
111	Reactivity of a metastable cobalt(III) trisulfide complex: multiple C-H functionalization of p-xylene and disulfides to afford photofunctional cobalt complexes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 3015-8	16.4	12
110	Open Dimer Participation in Chelation Controlled Addition of Methylolithium Dimer to β -Alkoxy Aldehydes. <i>Chemistry Letters</i> , 1997 , 26, 1079-1080	1.7	12
109	Mono- and penta-addition of enol silyl ethers to [60]fullerene. <i>Organic Letters</i> , 2008 , 10, 4923-6	6.2	12
108	Synthetic Chemistry of Cyclopropenone Acetals. Penitricin and Buckminsterfullerene.. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 1994 , 52, 935-945	0.2	12
107	Alternating Heterochiral Supramolecular Copolymerization. <i>Journal of the American Chemical Society</i> , 2021 , 143, 5121-5126	16.4	12
106	2,7-Dioctylbenzofuro[3,2-b]benzofuran: An Organic Semiconductor with Two-dimensional Transport Channels. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 2228-2232	3	12
105	Benzo[c]thiophene-C60 diadduct: an electron acceptor for p-n junction organic solar cells harvesting visible to near-IR light. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 2644-9	4.5	11

104	Regioselective [2 + 2] cycloaddition of a fullerene dimer with an alkyne triggered by thermolysis of an interfullerene C-C bond. <i>Organic Letters</i> , 2013 , 15, 2176-8	6.2	11
103	One hundred years since the discovery of the "umami" taste from seaweed broth by Kikunae Ikeda, who transcended his time. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 1659-63	4.5	11
102	Iron-Catalyzed Direct Arylation of Aryl Pyridines and Imines Using Oxygen as an Oxidant. <i>Synlett</i> , 2010 , 2010, 313-316	2.2	11
101	Conical Pentaaryl[60]fullerene Thiols: Self-Assembled Monolayers on Gold and Photocurrent Generating Property. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 17741-17752	3.8	11
100	Nanometer-Sized Fluorous Fullerene Vesicles in Water and on Solid Surfaces. <i>Angewandte Chemie</i> , 2010 , 122, 1709-1712	3.6	11
99	Preparative Routes to Organozinc Reagents Used for Organic Synthesis.. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 1998 , 56, 632-644	0.2	11
98	Fluorid-katalysierte Addition von Silylacetylenen an Carbonylverbindungen. <i>Angewandte Chemie</i> , 1976 , 88, 539-539	3.6	11
97	Bifurcation of self-assembly pathways to sheet or cage controlled by kinetic template effect. <i>Communications Chemistry</i> , 2019 , 2,	6.3	11
96	Chemical kinetics study through observation of individual reaction events with atomic-resolution electron microscopy. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2018 , 94, 428-440	4	11
95	Formation of a polycrystalline film of donor material on PEDOT:PSS buffer induced by crystal nucleation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014 , 52, 833-841	2.6	10
94	Synthesis and Catalytic Activity of η^1 -Allyl and η^3 -Allyl, Ethyl, and Hydrido Complexes of Ruthenium Pentamethyl[60]fullerene. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 2729-2733	2.3	10
93	Synthesis and bioimaging of positron-emitting 15O-labeled 2-deoxy-D-glucose of two-minute half-life. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 57-65	4.5	10
92	Molecular Orientation and Electronic Structure of Epitaxial Bucky Ferrocene (Fe(C60(CH3)5)C5H5) Thin Films. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 9914-9918	3.4	10
91	Ternary Complexes Between DNA, Polyamine, and Cucurbituril: A Modular Approach to DNA-Binding Molecules. <i>Angewandte Chemie</i> , 2000 , 112, 4427-4430	3.6	10
90	Nanoscale Control of Polymer Assembly on a Synthetic Catalyst-Bilayer System. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9675-81	16.4	10
89	Bis(aminoaryl) Carbon-Bridged Oligo(phenylenevinylene)s Expand the Limits of Electronic Couplings. <i>Angewandte Chemie</i> , 2017 , 129, 2944-2948	3.6	9
88	Hexaaryl-benzodipyrroles: Properties and Application as Amorphous Carrier-Transporting Materials. <i>Heterocycles</i> , 2015 , 90, 261	0.8	9
87	Synthesis of Polysubstituted Enynes through Iron-Catalyzed Carbomagnesiation of Conjugated Diynes. <i>Synlett</i> , 2014 , 25, 527-530	2.2	9

86	Regioselective Alkylation of ketones with alkyl chlorides and fluorides via highly nucleophilic magnesium enamides. <i>Tetrahedron</i> , 2007 , 63, 8440-8448	2.4	9
85	Synthesis of Oxy Aminated [60] and [70]Fullerenes with Cumene Hydroperoxide as Oxidant. <i>Chemistry Letters</i> , 2007 , 36, 20-21	1.7	9
84	Rhenium-Templated Regioselective Polyhydrogenation Reaction of [60]Fullerene. <i>Angewandte Chemie</i> , 2003 , 115, 3654-3656	3.6	9
83	Mechanism of Remote Conjugate Addition of a Lithium Organocuprate to a Polyconjugated Carbonyl Compound. <i>Angewandte Chemie</i> , 2005 , 117, 4799-4801	3.6	9
82	Spiro-Conjugated Carbon/Heteroatom-Bridged p-Phenylenevinylens: Synthesis, Properties, and Microcrystal Electron Crystallographic Analysis of Racemic Solid Solutions. <i>Bulletin of the Chemical Society of Japan</i> , 2020 , 93, 776-782	5.1	8
81	Small-Molecule-Based Organic Photovoltaic Devices Covering Visible and Near-Infrared Absorption through Phase Transition of Titanylphthalocyanine Induced by Solvent Exposure. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 121603	1.4	8
80	Ultra-rapid Synthesis of ¹⁵ O-Labeled 2-Deoxy-D-glucose for Positron Emission Tomography (PET). <i>Angewandte Chemie</i> , 2005 , 117, 2768-2771	3.6	8
79	Macrocyclopropane Synthesis by Copper- and Silver-Mediated Cyclization of Tethered Cyclopropenone Acetals. Electronic Tuning of Metal Vinylcarbene Complex into Vinylmetallic Species. <i>Organic Letters</i> , 1999 , 1, 407-410	6.2	8
78	A Singular Molecule-to-Molecule Transformation on Video: The Bottom-Up Synthesis of Fullerene C ₆₀ from Truxene Derivative CH. <i>ACS Nano</i> , 2021 ,	16.7	8
77	Synthesis and Characterization of a Well-Defined Carbon Nanohorn-Supported Molybdenum Dioxo Catalyst by SMART-EM Imaging. Surface Structure at the Atomic Level. <i>Bulletin of the Chemical Society of Japan</i> , 2021 , 94, 427-432	5.1	8
76	Synthesis of imino[60]fullerenes using nitriles and trimethylsilylmethyl triflate. <i>Organic Letters</i> , 2009 , 11, 4192-4	6.2	7
75	Atomic Force Microscope Studies on Condensation of Plasmid DNA with Functionalized Fullerenes. <i>Angewandte Chemie</i> , 2001 , 113, 3468-3471	3.6	7
74	Blue and Deep-Blue-Emitting Organic Lasers with Top-Layer Distributed Feedback Resonators. <i>Advanced Optical Materials</i> , 2020 , 8, 2001153	8.1	7
73	Aggregation-responsive ON/OFF fluorescence-switching behaviour of twisted tetrakis(benzo[b]furyl)ethene made by hafnium-mediated McMurry coupling. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 296-299	7.8	7
72	Iron-Catalyzed C-H Bond Activation. <i>Topics in Organometallic Chemistry</i> , 2015 , 1-18	0.6	6
71	High-density display of protein ligands on self-assembled capsules via noncovalent fluororous interactions. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 172-6	4.5	6
70	Friedel-Crafts functionalization of the cyclopentadienyl ligand in buckymetalloenes. <i>Dalton Transactions</i> , 2014 , 43, 7407-12	4.3	6
69	Binding of aromatic molecules in the fullerene-rich interior of a fullerene bilayer vesicle in water. <i>Chemical Communications</i> , 2013 , 49, 7629-31	5.8	6

68	Transmission Electron Microscopy for Chemists. <i>Accounts of Chemical Research</i> , 2017 , 50, 1795-1796	24.3	6
67	Carbon Nanotube for Imaging of Single Molecules in Motion 2010 , 405-412		6
66	Reductive benzylation of dimetallo hexaaryl[70]fullerenes on the equatorial region. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 835-40	4.5	6
65	AlCl ₃ -Mediated Mono-, Di-, and Trihydroarylation of [60]Fullerene. <i>Angewandte Chemie</i> , 2007 , 119, 3583-3586	3.5	6
64	Photoinduced change in the Raman spectrum of buckyferrocene ((Fe(C ₆₀ (CH ₃) ₅)C ₅ H ₅). <i>Solid State Communications</i> , 2004 , 132, 197-201	1.6	6
63	Density Functional Studies on Kinetic Reactivity of Higher Order Lipshutz Cuprate in Addition Reaction to Acetylene. <i>Bulletin of the Chemical Society of Japan</i> , 2002 , 75, 1815-1818	5.1	6
62	Synthesis of Cyclopropenone-Containing Amino Acid Mimic. Addition of Cyclopropenyl Cerium Reagent to α -Amino Aldehydes. <i>Synthetic Communications</i> , 1995 , 25, 2005-2012	1.7	6
61	Carbon-carbon bond forming reactions via metal homoenolates.. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 1989 , 47, 931-938	0.2	6
60	Kinetically Protected Carbon-Bridged Oligo(p-phenylenevinylene) Derivatives for Blue Color Amplified Spontaneous Emission. <i>Bulletin of the Chemical Society of Japan</i> , 2020 , 93, 751-758	5.1	5
59	Silylation of Aryl Halides with Monoorganosilanes Activated by Lithium Alkoxide. <i>Organic Letters</i> , 2018 , 20, 2844-2847	6.2	5
58	Theoretical Study on Alkoxydiphosphine Ligand for Bimetallic Cooperation in Nickel-catalyzed Monosubstitution of C≡C Bond. <i>Chemistry Letters</i> , 2014 , 43, 726-728	1.7	5
57	Selective synthesis of Co ₈ S ₁₅ cluster in bowl-shaped template of the pentaaryl[60]fullerene ligand. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10914-7	16.4	5
56	Photocrosslinking of Fullerene Vesicles that Prevents Phase Transition and Decreases Water Permeation. <i>Chemistry Letters</i> , 2013 , 42, 1176-1178	1.7	5
55	Ring-opening reaction of tetrahydrofuran on the penta(organo)[60]fullerenes: synthesis of hydroxybutyl, methacrylate, and norbornene derivatives. <i>Tetrahedron Letters</i> , 2009 , 50, 3411-3413	2	5
54	Highly Soluble Penta[(alkyl)dimethylsilylmethyl][60]fullerenes and Their Ruthenium and Palladium Complexes. <i>Chemistry Letters</i> , 2010 , 39, 342-343	1.7	5
53	Diels-Alder Reaction of Cyclopentadienone Acetal with Pyrrole and Indole. <i>Bulletin of the Chemical Society of Japan</i> , 2006 , 79, 1288-1292	5.1	5
52	Zn(II)/Amine-Catalyzed Coupling Reaction of Alkylidenemalonates with Propargyl Alcohol: A One-Pot Synthesis of Methylenetetrahydrofurans. <i>Organic Letters</i> , 2004 , 6, 3017-3017	6.2	5
51	Carbozincation of Dipolar Trimethylenemethane. A New Route to Functionalized Organozinc Reagents. <i>Chemistry Letters</i> , 2002 , 31, 146-147	1.7	5

50	Regio- and Stereoselective Allylation of Organometallic Reagents.. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 1993 , 51, 985-994	0.2	5
49	Ultra-Fast Electron Microscopic Imaging of Single Molecules With a Direct Electron Detection Camera and Noise Reduction. <i>Microscopy and Microanalysis</i> , 2020 , 26, 667-675	0.5	5
48	B2N2-Doped Dibenzo[a,m]Rubicene: Modular Synthesis, Properties, and Coordination-Induced Color Tunability. <i>Chemistry of Materials</i> , 2021 , 33, 5337-5344	9.6	5
47	Near-infrared absorbing heterocyclic quinoid donors for organic solar cell devices. <i>Organic Chemistry Frontiers</i> , 2014 , 1, 988-991	5.2	4
46	Photocrosslinking of the Exterior of a Fullerene Bilayer that Prevents Vesicle Aggregation. <i>Chemistry Letters</i> , 2014 , 43, 877-879	1.7	4
45	Filme molekularer Bewegungen und Reaktionen: Einzelmolekültransmissionselektronenmikroskopie in Echtzeit. <i>Angewandte Chemie</i> , 2013 , 125, 248-266	3.6	4
44	Di- and Trinuclear [70]Fullerene Complexes: Syntheses and Metal-Metal Electronic Interactions. <i>Angewandte Chemie</i> , 2009 , 121, 6357-6359	3.6	4
43	Modular synthesis of polybenzo[b]silole compounds for hole-blocking material in phosphorescent organic light emitting diodes. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 1376-81	4.5	4
42	Rim Binding of Cyclodextrins in Size-Sensitive Guest Recognition. <i>Journal of the American Chemical Society</i> , 2021 , 143, 5786-5792	16.4	4
41	Iron-catalysed regioselective thienyl C ₆ H ₄ /C ₆ H ₅ coupling. <i>Nature Catalysis</i> ,	36.5	4
40	Non-Aufbau Spiro-Conjugated Quinoidal & Aromatic Charged Radicals. <i>Bulletin of the Chemical Society of Japan</i> , 2021 , 94, 989-996	5.1	4
39	Carbon-bridged Oligo(phenylenevinylene)s as Light-harvesting Antenna for Porphyrins. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1672-1675	4.5	3
38	Preparation of Hierarchically Assembled Silver Nanostructures based on the Morphologies of Crystalline Peptide-Silver(I) Complexes. <i>ChemPlusChem</i> , 2019 , 84, 295-301	2.8	3
37	Application of Fullerenes to Nanodevices 2010 , 173-187		3
36	Synthesis of Ruthenium Pentamethyl[60]fullerene Complexes Bearing Monodentate Diphenylphosphino-methane, -ferrocene, and -butane Ligands. <i>Bulletin of the Korean Chemical Society</i> , 2010 , 31, 697-699	1.2	3
35	SHROOM3, the gene associated with chronic kidney disease, affects the podocyte structure. <i>Scientific Reports</i> , 2020 , 10, 21103	4.9	3
34	Cyclodextrins as Surfactants for Solubilization and Purification of Carbon Nanohorn Aggregates. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 1549-1552	4.5	2
33	Iron-Catalyzed Cross-Coupling Reactions 2012 ,		2

32	Cyclophenacene Cut Out of Fullerene	59-80		2
31	Functionalized Fullerenes in Water. The First 10 Years of Their Chemistry, Biology, and Nanoscience. <i>ChemInform</i> , 2004 , 35, no			2
30	Iron-Catalyzed Tandem Cyclization of Diarylacetylene to a Strained 1,4-Dihydropentalene Framework for Narrow-Band-Gap Materials. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6823-6828		16.4	2
29	Density Functional Studies on Conjugate Addition of (Me ₂ CuLi) ₂ to Cyclohexenone: Stereoselectivity and Rate-Determining Step	1999, 5, 1534		2
28	Synthesis and [3+2] Cycloaddition of a 2,2-Dialkoxy-1-Methylenecyclopropane: 6,6-Dimethyl-1-Methylene-4,8-Dioxaspiro[2.5]octane and cis-5-(5,5-Dimethyl-1,3-Dioxan-2-ylidene)Hexahydro-1(2H)-Pentalen-2-one	2003, 144-159		2
27	Synthesis of 6,9,12,15,18-Pentamethyl-1,6,9,12,15,18-Hexahydro(C ₆₀ -Ih)[5,6]Fullerene	2006, 80-86		2
26	Synthesis of Ethyl 2-Ethanoyl-2-Methyl-3-Phenylbut-3-Enoate	2009, 325-332		2
25	Time-Resolved Imaging of Stochastic Cascade Reactions over a Submillisecond to Second Time Range at the Angstrom Level. <i>Journal of the American Chemical Society</i> ,		16.4	2
24	Syntheses and Structural Studies of Functional Fullerenes. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2007 , 65, 44-53		0.2	1
23	Kinetic Reactivity of Higher Order Cuprates in SN ₂ Alkylation Reactions. <i>Angewandte Chemie</i> , 2001 , 113, 1989-1992		3.6	1
22	Structure of Fullerene Anchored by Five-Membered-Ring. <i>Molecular Crystals and Liquid Crystals</i> , 1996 , 276, 291-294			1
21	Ein einfacher Weg zu Cyclopentenonen durch eine [3 + 2]-Cycloadditionsreaktion zwischen einem dipolaren Trimethylenmethan und Alkinen. <i>Angewandte Chemie</i> , 1995 , 107, 2338-2340		3.6	1
20	Fulleren and DNA. <i>Kobunshi</i> , 2003 , 52, 142-142			1
19	Nano- and Microspheres Containing Inorganic and Biological Nanoparticles: Self-Assembly and Electron Tomographic Analysis. <i>Journal of the American Chemical Society</i> , 2021 , 143, 2822-2828		16.4	1
18	Gilbert Stork (1921-2017). <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 36		16.4	1
17	Gilbert Stork (1921-2017). <i>Angewandte Chemie</i> , 2018 , 130, 36-36		3.6	1
16	Chemistry: A Bridge between Molecular World and Real World. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2018 , 76, 1232-1246		0.2	1
15	Ionization and electron excitation of C in a carbon nanotube: A variable temperature/voltage transmission electron microscopic study.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2200290119		11.5	1

14	Application of molecular mechanics calculation in organic synthesis.. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 1987 , 45, 1044-1054	0.2	○
13	De Novo Synthesis of Free-Standing Flexible 2D Intercalated Nanofilm Uniform over Tens of cm. <i>Advanced Materials</i> , 2021 , e2106465	24	○
12	Atomic-number ()-correlated atomic sizes for deciphering electron microscopic molecular images.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2114432119 ^{11.5}	11.5	○
11	Acceleration of Tri-Addition to [70]Fullerene by Nanom Black Fullerene Soot. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2014 , 22, 196-201	1.8	
10	Organozinc Chemistry 2013 , 579-664		
9	Copper-Catalyzed Conjugate Addition of a Zinc Homoenate: Ethyl 3-[3-(trimethylsilyloxy)cyclohex-2-enyl]propionate		
8	Ring Expansion and Cleavage of Succinoin Derivatives: Spiro[4.5]Decane-1,4-dione and Ethyl 4-Cyclohexyl-4-Oxobutanoate		
7	Double Hydroxylation Reaction for Construction of the Corticoid Side Chain: 16β-Methylcortexolone	123-123	
6	Silylation of Ketones With Ethyl Trimethylsilacetate: (Z)-3-Trimethylsiloxy-2-Pentene	122-122	
5	Syntheses and Structural Studies of Cyclic .PI.-Electron Conjugated System, Cyclophenacenes. <i>Nihon Kessho Gakkaishi</i> , 2006 , 48, 277-282		○
4	Synthesis, Property and Application of Rigid Planar Carbon-bridged Oligo(phenylenevinylene)s. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2020 , 78, 782-791		0.2
3	Organofullerenes in Water	3492-3501	
2	The Tateshina Conference: The First 10 Years. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 3577-3579		4.5
1	Conformational Analysis of Organic Molecules with Single-Molecule Atomic-Resolution Real-Time Transmission Electron Microscopy (SMART-TEM) Imaging 2019 , 339-368		