

# Eiichi Nakamura

## List of Publications by Year in Descending Order

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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	Atomic-number ( $Z$ )-correlated atomic sizes for deciphering electron microscopic molecular images.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2114432119	11.5	0
498	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> , <b>2022</b> , 119, e2200290119	11.5	1
497	De Novo Synthesis of Free-Standing Flexible 2D Intercalated Nanofilm Uniform over Tens of cm. <i>Advanced Materials</i> , <b>2021</b> , e2106465	24	0
496	Alternating Heterochiral Supramolecular Copolymerization. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 5121-5126	16.4	12
495	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> , <b>2021</b> , 143, 6823-6828	16.4	2
494	Rim Binding of Cyclodextrins in Size-Sensitive Guest Recognition. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 5786-5792	16.4	4
493	Rational Electrolyte Design to Form Inorganic/Polymeric Interphase on Silicon-Based Anodes. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 1811-1820	20.1	13
492	A Singular Molecule-to-Molecule Transformation on Video: The Bottom-Up Synthesis of Fullerene C from Truxene Derivative CH. <i>ACS Nano</i> , <b>2021</b> ,	16.7	8
491	B2N2-Doped Dibenzo[a,m]Rubicene: Modular Synthesis, Properties, and Coordination-Induced Color Tunability. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 5337-5344	9.6	5
490	Capturing the Moment of Emergence of Crystal Nucleus from Disorder. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 1763-1767	16.4	34
489	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> , <b>2021</b> , 94, 427-432	5.1	8
488	Nano- and Microspheres Containing Inorganic and Biological Nanoparticles: Self-Assembly and Electron Tomographic Analysis. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 2822-2828	16.4	1
487	Non-Aufbau Spiro-Conjugated Quinoidal & Aromatic Charged Radicals. <i>Bulletin of the Chemical Society of Japan</i> , <b>2021</b> , 94, 989-996	5.1	4
486	Kinetically Protected Carbon-Bridged Oligo(p-phenylenevinylene) Derivatives for Blue Color Amplified Spontaneous Emission. <i>Bulletin of the Chemical Society of Japan</i> , <b>2020</b> , 93, 751-758	5.1	5
485	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> , <b>2020</b> , 93, 1079-1085	5.1	31
484	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> , <b>2020</b> , 93, 776-782	5.1	8
483	Cyclodextrins as Surfactants for Solubilization and Purification of Carbon Nanohorn Aggregates. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 1549-1552	4.5	2

482	A cyclic phosphate-based battery electrolyte for high voltage and safe operation. <i>Nature Energy</i> , <b>2020</b> , 5, 291-298	62.3	104
481	Chromium(III)-Catalyzed C(sp)-H Alkynylation, Allylation, and Naphthalenation of Secondary Amides with Trimethylaluminum as Base. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 4883-4891	16.4	19
480	Synthesis, Property and Application of Rigid Planar Carbon-bridged Oligo(phenylenevinylene)s. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , <b>2020</b> , 78, 782-791	0.2	
479	Axially Chiral Spiro-Conjugated Carbon-Bridged -Phenylenevinylene Congeners: Synthetic Design and Materials Properties. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 2059-2067	16.4	35
478	B/N-Doped -Arylenevinylene Chromophores: Synthesis, Properties, and Microcrystal Electron Crystallographic Study. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 18990-18996	16.4	16
477	SHROOM3, the gene associated with chronic kidney disease, affects the podocyte structure. <i>Scientific Reports</i> , <b>2020</b> , 10, 21103	4.9	3
476	Ultra-Fast Electron Microscopic Imaging of Single Molecules With a Direct Electron Detection Camera and Noise Reduction. <i>Microscopy and Microanalysis</i> , <b>2020</b> , 26, 667-675	0.5	5
475	Blue and Deep-Blue-Emitting Organic Lasers with Top-Layer Distributed Feedback Resonators. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2001153	8.1	7
474	Aryl Radical Addition to Curvatures of Carbon Nanohorns for Single-Molecule-Level Molecular Imaging. <i>Bulletin of the Chemical Society of Japan</i> , <b>2020</b> , 93, 1603-1608	5.1	17
473	The Tateshina Conference: The First 10 Years. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 3577-3579	4.5	
472	Atomistic structures and dynamics of prenucleation clusters in MOF-2 and MOF-5 syntheses. <i>Nature Communications</i> , <b>2019</b> , 10, 3608	17.4	37
471	Carbon-Bridged Oligo(phenylene vinylene)s: A de Novo Designed, Flat, Rigid, and Stable EConjugated System. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 2939-2949	24.3	24
470	Carbon-bridged Oligo(phenylenevinylene)s as Light-harvesting Antenna for Porphyrins. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 1672-1675	4.5	3
469	Organic/Inorganic Hybrid p-Type Semiconductor Doping Affords Hole Transporting Layer Free Thin-Film Perovskite Solar Cells with High Stability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 22603-22611	9.5	22
468	Homocoupling-free iron-catalysed twofold C <sub>H</sub> activation/cross-couplings of aromatics via transient connection of reactants. <i>Nature Catalysis</i> , <b>2019</b> , 2, 400-406	36.5	33
467	Preparation of Hierarchically Assembled Silver Nanostructures based on the Morphologies of Crystalline Peptide-Silver(I) Complexes. <i>ChemPlusChem</i> , <b>2019</b> , 84, 295-301	2.8	3
466	Interfacial Chemistry of Conical Fullerene Amphiphiles in Water. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 2090-2100	24.3	21
465	Bifurcation of self-assembly pathways to sheet or cage controlled by kinetic template effect. <i>Communications Chemistry</i> , <b>2019</b> , 2,	6.3	11

464	Conformational Analysis of Organic Molecules with Single-Molecule Atomic-Resolution Real-Time Transmission Electron Microscopy (SMART-TEM) Imaging <b>2019</b> , 339-368		
463	Chemical Formation and Multiple Applications of Organic-Inorganic Hybrid Perovskite Materials. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 1406-1414	16.4	35
462	Iron-Catalyzed Synthesis of Indenones through Cyclization of Carboxamides with Alkynes. <i>Asian Journal of Organic Chemistry</i> , <b>2018</b> , 7, 1327-1329	3	17
461	Homo- and Copolymers Based on Carbon-Bridged Oligo(p-phenylenevinylene)s for Efficient Fluorescence over the Entire Visible Region. <i>Macromolecules</i> , <b>2018</b> , 51, 2961-2968	5.5	16
460	Disodium Benzodipyrrole Sulfonate as Neutral Hole-Transporting Materials for Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 5018-5022	16.4	67
459	Carbon-Bridged p-Phenylenevinylene Polymer for High-Performance Solution-Processed Distributed Feedback Lasers. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800069	8.1	16
458	Flexibility of components alters the self-assembly pathway of PdL coordination cages. <i>Dalton Transactions</i> , <b>2018</b> , 47, 3258-3263	4.3	18
457	Silylation of Aryl Halides with Monoorganosilanes Activated by Lithium Alkoxide. <i>Organic Letters</i> , <b>2018</b> , 20, 2844-2847	6.2	5
456	Coherent Resonant Electron Tunneling at 9 and 300 K through a 4.5 nm Long, Rigid, Planar Organic Molecular Wire. <i>ACS Omega</i> , <b>2018</b> , 3, 5125-5130	3.9	14
455	Hierarchical Assembly of siRNA with Tetraamino Fullerene in Physiological Conditions for Efficient Internalization into Cells and Knockdown. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 19347-19354	9.5	15
454	Neutron Scattering Reveals Water Confined in a Watertight Bilayer Vesicle. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 11261-11266	16.4	13
453	Electronic Co-crystal Microcavities with Selective Vibronic-Mode Light Amplification: Toward Faster Resonance Energy Transfer Lasing. <i>Nano Letters</i> , <b>2018</b> , 18, 4396-4402	11.5	38
452	Gilbert Stork (1921-2017). <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 36	16.4	1
451	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> , <b>2018</b> , 2, 296-299	7.8	7
450	Acid-Responsive Conductive Nanofiber of Tetrabenzoporphyrin Made by Solution Processing. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 62-65	16.4	21
449	Gilbert Stork (1921-2017). <i>Angewandte Chemie</i> , <b>2018</b> , 130, 36-36	3.6	1
448	Iron-Catalyzed Remote Arylation of Aliphatic C-H Bond via 1,5-Hydrogen Shift. <i>ACS Catalysis</i> , <b>2018</b> , 8, 8-11	13.1	23
447	Chemistry: A Bridge between Molecular World and Real World. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , <b>2018</b> , 76, 1232-1246	0.2	1

446	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> , <b>2018</b> , 94, 428-440	4	11
445	Iron-Catalyzed Directed Alkylation of Carboxamides with Olefins via a Carbometalation Pathway. <i>ACS Catalysis</i> , <b>2018</b> , 8, 11478-11482	13.1	16
444	2,7-Dioctylbenzofuro[3,2-b]benzofuran: An Organic Semiconductor with Two-dimensional Transport Channels. <i>Asian Journal of Organic Chemistry</i> , <b>2018</b> , 7, 2228-2232	3	12
443	Synthesis of Esomeprazole and Related Proton Pump Inhibitors through Iron-Catalyzed Enantioselective Sulfoxidation. <i>ACS Catalysis</i> , <b>2018</b> , 8, 9738-9743	13.1	15
442	Bis(aminoaryl) Carbon-Bridged Oligo(phenylenevinylene)s Expand the Limits of Electronic Couplings. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 2898-2902	16.4	41
441	Heterogeneous catalase-like activity of gold(i)-cobalt(iii) metallocsupramolecular ionic crystals. <i>Chemical Science</i> , <b>2017</b> , 8, 2671-2676	9.4	19
440	Bis(aminoaryl) Carbon-Bridged Oligo(phenylenevinylene)s Expand the Limits of Electronic Couplings. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 2944-2948	3.6	9
439	Design and Functions of Semiconducting Fused Polycyclic Furans for Optoelectronic Applications. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 396-406	24.3	130
438	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> , <b>2017</b> , 50, 1281-1292	24.3	43
437	Citric Acid Modulated Growth of Oriented Lead Perovskite Crystals for Efficient Solar Cells. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9598-9604	16.4	59
436	Conical Ionic Amphiphiles Endowed with Micellization Ability but Lacking Air-Water and Oil-Water Interfacial Activity. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 7677-7680	16.4	17
435	Iron-Catalyzed Borylation of Aryl Chlorides in the Presence of Potassium t-Butoxide. <i>ACS Catalysis</i> , <b>2017</b> , 7, 3199-3203	13.1	49
434	Iron-Catalyzed C-H Bond Activation. <i>Chemical Reviews</i> , <b>2017</b> , 117, 9086-9139	68.1	581
433	Indole Synthesis via Cyclative Formation of 2,3-Dizincindoles and Regioselective Electrophilic Trapping. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 23-26	16.4	33
432	Fullerene cation-mediated demethylation/cyclization to give 5- and 7-membered cyclo[60]fullerene derivatives. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 2774-2783	13	16
431	Carbon-Bridged Phenylene-Vinylens: On the Common Diradicaloid Origin of Their Photonic and Chemical Properties. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 23141-23148	3.8	13
430	Effects of water on the forward and backward conversions of lead(II) iodide to methylammonium lead perovskite. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 23815-23821	13	13
429	Manganese-Catalyzed Directed Methylation of C(sp)-H Bonds at 25 °C with High Catalytic Turnover. <i>Organic Letters</i> , <b>2017</b> , 19, 5458-5461	6.2	42

428	Experimental study on interconversion between cubic MOF-5 and square MOF-2 arrays. <i>Inorganic Chemistry Communication</i> , <b>2017</b> , 84, 1-4	3.1	14
427	An Efficient and Color-Tunable Solution-Processed Organic Thin-Film Laser with a Polymeric Top-Layer Resonator. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1700238	8.1	30
426	Transmission Electron Microscopy for Chemists. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 1795-1796	24.3	6
425	Iron/Zinc-Co-catalyzed Directed Arylation and Alkenylation of C(sp <sup>3</sup> ) <sub>3</sub> Bonds with Organoborates. <i>ACS Catalysis</i> , <b>2017</b> , 7, 89-92	13.1	34
424	Direct Microscopic Analysis of Individual C Dimerization Events: Kinetics and Mechanisms. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 18281-18287	16.4	20
423	Supramolecular Differentiation for Construction of Anisotropic Fullerene Nanostructures by Time-Programmed Control of Interfacial Growth. <i>ACS Nano</i> , <b>2016</b> , 10, 8796-802	16.7	75
422	n-Type doping for efficient polymeric electron-transporting layers in perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 18852-18856	13	37
421	Polymer Stabilization of Lead(II) Perovskite Cubic Nanocrystals for Semitransparent Solar Cells. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1502317	21.8	140
420	Oxidative C-H Activation Approach to Pyridone and Isoquinolone through an Iron-Catalyzed Coupling of Amides with Alkynes. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 380-4	4.5	58
419	Nanoscale Control of Polymer Assembly on a Synthetic Catalyst-Bilayer System. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 9675-81	16.4	10
418	Benzodipyrrole-based Donor-Acceptor-type Boron Complexes as Tunable Near-infrared-Absorbing Materials. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 2016-20	4.5	18
417	Local Time-Dependent Charging in a Perovskite Solar Cell. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 19402-9	9.5	95
416	Sulfamic Acid-Catalyzed Lead Perovskite Formation for Solar Cell Fabrication on Glass or Plastic Substrates. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 5410-6	16.4	78
415	Iron-Catalyzed Ortho C-H Methylation of Aromatics Bearing a Simple Carbonyl Group with Methylaluminum and Tridentate Phosphine Ligand. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 10132-5	16.4	104
414	Three-Dimensionally Homoconjugated Carbon-Bridged Oligophenylenevinylene for Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 10897-904	16.4	26
413	Electron microscopic observation of selective excitation of conformational change of a single organic molecule. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 3474-7	16.4	22
412	Planarization, fusion, and strain of carbon-bridged phenylenevinylene oligomers enhance electron and charge conjugation: a dissectional vibrational Raman study. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 3834-43	16.4	39
411	Carbon-bridged oligo(p-phenylenevinylene)s for photostable and broadly tunable, solution-processable thin film organic lasers. <i>Nature Communications</i> , <b>2015</b> , 6, 8458	17.4	82

410	Iron-Catalyzed C-H Bond Activation. <i>Topics in Organometallic Chemistry</i> , <b>2015</b> , 1-18	0.6	6
409	High-density display of protein ligands on self-assembled capsules via noncovalent fluorine interactions. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 172-6	4.5	6
408	DNA Binding of Pentaamino[60]fullerene Synthesized Using Click Chemistry. <i>Chemistry Letters</i> , <b>2015</b> , 44, 378-380	1.7	12
407	Single-Crystal Organic Field-Effect Transistors of Naphthodifurans. <i>Bulletin of the Chemical Society of Japan</i> , <b>2015</b> , 88, 776-783	5.1	22
406	Fabrication of NIR-Excitable SERS-Active Composite Particles Composed of Densely Packed Au Nanoparticles on Polymer Microparticles. <i>Particle and Particle Systems Characterization</i> , <b>2015</b> , 32, 441-447	3.1	14
405	Iron-Catalyzed Directed Alkylation of Alkenes and Arenes with Alkylzinc Halides. <i>Advanced Synthesis and Catalysis</i> , <b>2015</b> , 357, 2175-2179	5.6	55
404	Hexaaryl-benzodipyrroles: Properties and Application as Amorphous Carrier-Transporting Materials. <i>Heterocycles</i> , <b>2015</b> , 90, 261	0.8	9
403	Cooperative Self-Assembly of Gold Nanoparticles on the Hydrophobic Surface of Vesicles in Water. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 7568-71	16.4	31
402	Iron-Catalyzed Directed C(sp <sup>2</sup> )-H and C(sp <sup>3</sup> )-H Functionalization with Trimethylaluminum. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 7660-3	16.4	193
401	Chemical Pathways Connecting Lead(II) Iodide and Perovskite via Polymeric Plumbate(II) Fiber. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 15907-14	16.4	180
400	Air-Stable and Solution-Processable Perovskite Photodetectors for Solar-Blind UV and Visible Light. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 535-9	6.4	249
399	Organic solid solution composed of two structurally similar porphyrins for organic solar cells. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 2247-52	16.4	49
398	siRNA delivery targeting to the lung via agglutination-induced accumulation and clearance of cationic tetraamino fullerene. <i>Scientific Reports</i> , <b>2014</b> , 4, 4916	4.9	45
397	Conformational analysis of single perfluoroalkyl chains by single-molecule real-time transmission electron microscopic imaging. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 466-73	16.4	22
396	Synthesis, crystal packing, and ambipolar carrier transport property of twisted dibenzo[g,p]chrysenes. <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 1623-8	4.5	21
395	ortho-Allylation of 1-Arylpyrazoles with Allyl Phenyl Ether via Iron-Catalyzed C-H Bond Activation under Mild Conditions. <i>Advanced Synthesis and Catalysis</i> , <b>2014</b> , 356, 1481-1485	5.6	49
394	Mobility of long-lived fullerene radical in solid state and nonlinear temperature dependence. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 3366-9	16.4	19
393	Synthesis of anthranilic acid derivatives through iron-catalyzed ortho amination of aromatic carboxamides with N-chloroamines. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 646-9	16.4	236

- 392 Unraveling organocuprate complexity: fundamental insights into intrinsic group transfer selectivity in alkylation reactions. *Journal of Organic Chemistry*, **2014**, 79, 1320-34 4.2 19
- 391 Near-infrared absorbing heterocyclic quinoid donors for organic solar cell devices. *Organic Chemistry Frontiers*, **2014**, 1, 988-991 5.2 4
- 390 Iron-catalyzed C(sp<sup>2</sup>)-H bond functionalization with organoboron compounds. *Journal of the American Chemical Society*, **2014**, 136, 14349-52 16.4 131
- 389 Acceleration of Tri-Addition to [70]Fullerene by Nanom Black Fullerene Soot. *Fullerenes Nanotubes and Carbon Nanostructures*, **2014**, 22, 196-201 1.8
- 388 The hydrogen/deuterium isotope effect of the host material on the lifetime of organic light-emitting diodes. *Chemical Communications*, **2014**, 50, 14870-2 5.8 31
- 387 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
- 386 Electron transfer through rigid organic molecular wires enhanced by electronic and electron-vibration coupling. *Nature Chemistry*, **2014**, 6, 899-905 17.6 160
- 385 Formation of a polycrystalline film of donor material on PEDOT:PSS buffer induced by crystal nucleation. *Journal of Polymer Science, Part B: Polymer Physics*, **2014**, 52, 833-841 2.6 10
- 384 Friedel-Crafts functionalization of the cyclopentadienyl ligand in buckymetallocenes. *Dalton Transactions*, **2014**, 43, 7407-12 4.3 6
- 383 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
- 382 Photocrosslinking of the Exterior of a Fullerene Bilayer that Prevents Vesicle Aggregation. *Chemistry Letters*, **2014**, 43, 877-879 1.7 4
- 381 Synthesis of Triphosphatruxene via Sextuple Aromatic Nucleophilic Substitution and Simple Isolation of Stereoisomers. *Chemistry Letters*, **2014**, 43, 676-677 1.7 16
- 380 Theoretical Study on Alkoxydiphosphine Ligand for Bimetallic Cooperation in Nickel-catalyzed Monosubstitution of C≡C Bond. *Chemistry Letters*, **2014**, 43, 726-728 1.7 5
- 379 Large Electronic Coupling in a Homoconjugated Donor/Acceptor System Involving Carbon-bridged Oligo(p-phenylenevinylene) and Triazine. *Chemistry Letters*, **2014**, 43, 699-701 1.7 13
- 378 Synthetic Strategy for Multisubstituted Fused Furan Compounds Using Main-Group Metal Reagents. *Synlett*, **2014**, 25, 2099-2110 2.2 23
- 377 Synthesis of Polysubstituted Enynes through Iron-Catalyzed Carbomagnesiation of Conjugated Diynes. *Synlett*, **2014**, 25, 527-530 2.2 9
- 376 Selective synthesis of Co<sub>8</sub>S<sub>15</sub> cluster in bowl-shaped template of the pentaaryl[60]fullerene ligand. *Journal of the American Chemical Society*, **2013**, 135, 10914-7 16.4 5
- 375 Organozinc Chemistry **2013**, 579-664



374	Binding of aromatic molecules in the fullerene-rich interior of a fullerene bilayer vesicle in water. <i>Chemical Communications</i> , <b>2013</b> , 49, 7629-31	5.8	6
373	Protein-coated nanocapsules via multilevel surface modification. Controlled preparation and microscopic analysis at nanometer resolution. <i>Chemical Communications</i> , <b>2013</b> , 49, 3525-7	5.8	22
372	Iron-catalyzed ortho-allylation of aromatic carboxamides with allyl ethers. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 17755-7	16.4	202
371	Addition of dihydromethano group to fullerenes to improve the performance of bulk heterojunction organic solar cells. <i>Advanced Materials</i> , <b>2013</b> , 25, 6266-9	24	78
370	Synthesis of benzotriuran and benzotripyrrole derivatives and molecular orientations on the surface and in the solid state. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 2377-82	4.5	26
369	New sensitizers for dye-sensitized solar cells featuring a carbon-bridged phenylenevinylene. <i>Chemical Communications</i> , <b>2013</b> , 49, 582-4	5.8	46
368	Filme molekularer Bewegungen und Reaktionen: Einzelmolekültransmissionselektronenmikroskopie in Echtzeit. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 248-266	3.6	4
367	Movies of molecular motions and reactions: the single-molecule, real-time transmission electron microscope imaging technique. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 236-52	16.4	32
366	1-Aryl-4-silylmethyl[60]fullerenes: synthesis, properties, and photovoltaic performance. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 121-8	4.5	15
365	Iron-catalyzed allylic arylation of olefins via C(sp <sup>3</sup> )-H activation under mild conditions. <i>Organic Letters</i> , <b>2013</b> , 15, 714-7	6.2	77
364	arylation of carboxamides via iron-catalyzed C(sp <sup>3</sup> )-H bond activation. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 6030-2	16.4	238
363	Regioselective [2 + 2] cycloaddition of a fullerene dimer with an alkyne triggered by thermolysis of an interfullerene C-C bond. <i>Organic Letters</i> , <b>2013</b> , 15, 2176-8	6.2	11
362	Polymer Janus particles containing block-copolymer stabilized magnetic nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 3262-6	9.5	41
361	Iron-Catalyzed Cross-Coupling Reactions <b>2013</b> , 1-210		32
360	Magnetic Properties of Decamethyl Fullerenes: Radical Spin Interactions in Chemically Functionalized Fullerenes. <i>Applied Physics Express</i> , <b>2013</b> , 6, 045102	2.4	12
359	Photocrosslinking of Fullerene Vesicles that Prevents Phase Transition and Decreases Water Permeation. <i>Chemistry Letters</i> , <b>2013</b> , 42, 1176-1178	1.7	5
358	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> , <b>2013</b> , 52, 3015-8	16.4	12
357	Anthradifuran, a Furan Analogue of Pentacene, and Its Isomers, Exhibiting Solid-state Photoluminescence. <i>Chemistry Letters</i> , <b>2012</b> , 41, 957-959	1.7	20

356	Carbon-bridged oligo(phenylenevinylene)s: stable systems with high responsiveness to doping and excitation. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 19254-9	16.4	79
355	Iron-Catalyzed Cross-Coupling Reactions <b>2012</b> ,		2
354	Synthesis of Tetradeca- and Pentadeca(organo)[60]fullerenes Containing Unique Photo- and Electroluminescent Conjugated Systems. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 3972-3980	9.6	12
353	Gas-phase reactivity of group 11 dimethylmetallates with allyl iodide. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 2569-80	16.4	44
352	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. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 5448-51	16.4	176
351	Role of subsurface diffusion and Ostwald ripening in catalyst formation for single-walled carbon nanotube forest growth. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 2148-53	16.4	101
350	Heterogeneous nucleation of organic crystals mediated by single-molecule templates. <i>Nature Materials</i> , <b>2012</b> , 11, 877-81	27	95
349	Tripyridyltruxenes: Thermally Stable Cathode Buffer Materials for Organic Thin-Film Solar Cells. <i>Asian Journal of Organic Chemistry</i> , <b>2012</b> , 1, 34-37	3	13
348	Iron-Catalyzed ortho Monoarylation of Benzamide Derivatives. <i>Asian Journal of Organic Chemistry</i> , <b>2012</b> , 1, 142-145	3	44
347	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> , <b>2012</b> , 7, 2644-9	4.5	11
346	Iron-catalyzed chemo- and stereoselective hydromagnesiation of diarylalkynes and diynes. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 16951-4	16.4	58
345	Nickel-catalyzed monosubstitution of polyfluoroarenes with organozinc reagents using alkoxydiphosphine ligand. <i>Organic Letters</i> , <b>2012</b> , 14, 3316-9	6.2	107
344	Nickel-catalyzed synthesis of diarylamines via oxidatively induced C-N bond formation at room temperature. <i>Organic Letters</i> , <b>2012</b> , 14, 5570-3	6.2	40
343	Structurally Defined High-LUMO-Level 66[70]Fullerene Derivatives: Synthesis and Application in Organic Photovoltaic Cells. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 2572-2582	9.6	29
342	Deterioration of bulk heterojunction organic photovoltaic devices by a minute amount of oxidized fullerene. <i>Chemical Communications</i> , <b>2012</b> , 48, 3878-80	5.8	29
341	Iron-catalyzed regio- and stereoselective chlorosulfonylation of terminal alkynes with aromatic sulfonyl chlorides. <i>Organic Letters</i> , <b>2012</b> , 14, 954-6	6.2	84
340	Mechanisms of nucleophilic organocopper(I) reactions. <i>Chemical Reviews</i> , <b>2012</b> , 112, 2339-72	68.1	314
339	An amorphous mesophase generated by thermal annealing for high-performance organic photovoltaic devices. <i>Advanced Materials</i> , <b>2012</b> , 24, 3521-5	24	41

338	Iron-Catalyzed Nitrogen-Directed Coupling of Arene and Aryl Bromides Mediated by Metallic Magnesium. <i>Advanced Synthesis and Catalysis</i> , <b>2012</b> , 354, 593-596	5.6	47
337	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> , <b>2012</b> , 7, 1443-50	4.5	24
336	Synthesis of Polysubstituted Naphthalenes by Iron-Catalyzed [2+2+2] Annulation of Grignard Reagents with Alkynes. <i>Synlett</i> , <b>2012</b> , 23, 2381-2384	2.2	21
335	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> , <b>2011</b> , 50, 121603	1.4	8
334	Phenanthrene synthesis by iron-catalyzed [4+2] benzannulation between alkyne and biaryl or 2-alkenylphenyl Grignard reagent. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 6557-9	16.4	140
333	Molecular and supramolecular control of the work function of an inorganic electrode with self-assembled monolayer of umbrella-shaped fullerene derivatives. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 16997-7004	16.4	56
332	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> , <b>2011</b> , 13, 3232-4	6.2	131
331	Air- and heat-stable planar tri-p-quinodimethane with distinct biradical characteristics. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 16342-5	16.4	109
330	A scalable synthesis of methano[60]fullerene and congeners by the oxidative cyclopropanation reaction of silylmethylfullerene. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 8086-9	16.4	112
329	Preparation and properties of vesicles made of nonpolar/polar/nonpolar fullerene amphiphiles. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 6364-70	16.4	64
328	Facile synthesis of a 56 $\pi$ -electron 1,2-dihydromethano-[60]PCBM and its application for thermally stable polymer solar cells. <i>Chemical Communications</i> , <b>2011</b> , 47, 10082-4	5.8	86
327	Cobalt-catalyzed ortho-alkylation of secondary benzamide with alkyl chloride through directed C-H bond activation. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 428-9	16.4	232
326	Regiocontrolled synthesis of 1,2-di(organo)fullerenes via copper-assisted 1,4-aryl migration from silicon to carbon. <i>Organic Letters</i> , <b>2011</b> , 13, 6058-61	6.2	36
325	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> , <b>2011</b> , 40, 576-578	1.7	22
324	Managing the scarcity of chemical elements. <i>Nature Materials</i> , <b>2011</b> , 10, 158-61	27	192
323	Regioselective synthesis of tetra(aryl)-mono(silylmethyl)[60]fullerenes and derivatization to methanofullerene compound. <i>Tetrahedron</i> , <b>2011</b> , 67, 9944-9949	2.4	16
322	Synthesis of functionalized 1H-indenes via copper-catalyzed arylation cyclization of arylalkynes with aromatic sulfonyl chlorides. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 17638-40	16.4	48
321	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> , <b>2011</b> , 6, 1659-63	4.5	11

3 <sup>20</sup>	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> , <b>2011</b> , 6, 2005-8	4.5	3 <sup>0</sup>
3 <sup>19</sup>	Bis(carbazolyl)benzodifuran has a high triplet energy level for application in blue phosphorescent OLED. <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 2296-300	4.5	16
3 <sup>18</sup>	Iron-catalyzed C-H bond activation for the ortho-arylation of aryl pyridines and imines with Grignard reagents. <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 3059-65	4.5	75
3 <sup>17</sup>	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> , <b>2011</b> , 22, 316-324	1.2	13
3 <sup>16</sup>	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> , <b>2011</b> , 133, 7672-5	16.4	135
3 <sup>15</sup>	Molecular photoelectric switch using a mixed SAM of organic [60]fullerene and [70]fullerene doped with a single iron atom. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 9932-7	16.4	53
3 <sup>14</sup>	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> , <b>2011</b> , 133, 14151-3	16.4	41
3 <sup>13</sup>	Cobalt-catalyzed chemoselective insertion of alkene into the ortho C-H bond of benzamide. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 5221-3	16.4	167
3 <sup>12</sup>	Iron-catalyzed oxidative monoarylation of primary amines with organozinc reagents. <i>Organic Letters</i> , <b>2011</b> , 13, 5998-6001	6.2	24
3 <sup>11</sup>	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> , <b>2011</b> , 133, 6890-3	16.4	25
3 <sup>10</sup>	Synthesis of 1,4-diaryl[60]fullerenes by bis-hydroarylation of C <sub>60</sub> and their use in solution-processable, thin-film organic photovoltaic cells. <i>Tetrahedron Letters</i> , <b>2011</b> , 52, 2240-2242	2	3 <sup>1</sup>
3 <sup>09</sup>	Analysis of the reactivity and selectivity of fullerene dimerization reactions at the atomic level. <i>Nature Chemistry</i> , <b>2010</b> , 2, 117-24	17.6	115
3 <sup>08</sup>	Iron-Catalyzed Direct Arylation of Aryl Pyridines and Imines Using Oxygen as an Oxidant. <i>Synlett</i> , <b>2010</b> , 2010, 313-316	2.2	11
3 <sup>07</sup>	Low-valent iron-catalyzed C-C bond formation-addition, substitution, and C-H bond activation. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 6061-7	4.2	43 <sup>8</sup>
3 <sup>06</sup>	Synthesis of tetrasubstituted alkenes by stereo- and regioselective stannylolithiation of diarylacetylenes. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 11854-5	16.4	43
3 <sup>05</sup>	Substituent-Dependent Ordering of Adlayer Structures of Fullerene Derivatives Adsorbed on Au(111): A Scanning Tunneling Microscopy Study. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 3170-3174	3.8	15
3 <sup>04</sup>	Conical Pentaaryl[60]fullerene Thiols: Self-Assembled Monolayers on Gold and Photocurrent Generating Property. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 17741-17752	3.8	11
3 <sup>03</sup>	Iron-catalyzed C-C bond formation at alpha-position of aliphatic amines via C-H bond activation through 1,5-hydrogen transfer. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 5568-9	16.4	157

302	Face-to-face C <sub>6</sub> F <sub>5</sub> -[60]fullerene interaction for ordering fullerene molecules and application to thin-film organic photovoltaics. <i>Chemical Communications</i> , <b>2010</b> , 46, 8582-4	5.8	46
301	In vivo gene delivery by cationic tetraamino fullerene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 5339-44	11.5	142
300	Iron-catalyzed, directed oxidative arylation of olefins with organozinc and Grignard reagents. <i>Organic Letters</i> , <b>2010</b> , 12, 2838-40	6.2	48
299	Octupole-like supramolecular aggregates of conical iron fullerene complexes into a three-dimensional liquid crystalline lattice. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 15514-5	16.4	39
298	Loading pentapod deca(organo)[60]fullerenes with electron donors: from photophysics to photoelectrochemical bilayers. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 6342-8	16.4	19
297	Ligand exchange reactions in Cu(III) complexes: mechanistic insights by combined NMR and DFT studies. <i>Chemical Communications</i> , <b>2010</b> , 46, 4625-6	5.8	20
296	Application of Fullerenes to Nanodevices <b>2010</b> , 173-187		3
295	Carbon Nanotube for Imaging of Single Molecules in Motion <b>2010</b> , 405-412		6
294	Highly Soluble Penta[(alkyl)dimethylsilylmethyl][60]fullerenes and Their Ruthenium and Palladium Complexes. <i>Chemistry Letters</i> , <b>2010</b> , 39, 342-343	1.7	5
293	Reductive benzylation of dimetallo hexaaryl[70]fullerenes on the equatorial region. <i>Chemistry - an Asian Journal</i> , <b>2010</b> , 5, 835-40	4.5	6
292	Benzophosphole oxide and sulfide for thermally stable cathode buffer layers in organic thin-film photovoltaic devices. <i>Chemistry - an Asian Journal</i> , <b>2010</b> , 5, 1294-7	4.5	19
291	Nanometer-Sized Fluorous Fullerene Vesicles in Water and on Solid Surfaces. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 1709-1712	3.6	11
290	Nanometer-sized fluororous fullerene vesicles in water and on solid surfaces. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 1665-8	16.4	56
289	In vitro and in vivo gene delivery with tailor-designed aminofullerenes. <i>Chemical Record</i> , <b>2010</b> , 10, 260-706.6	6.6	34
288	Modular synthesis of polybenzo[b]silole compounds for hole-blocking material in phosphorescent organic light emitting diodes. <i>Chemistry - an Asian Journal</i> , <b>2010</b> , 5, 1376-81	4.5	4
287	Synthesis of Ruthenium Pentamethyl[60]fullerene Complexes Bearing Monodentate Diphenylphosphino-methane, -ferrocene, and -butane Ligands. <i>Bulletin of the Korean Chemical Society</i> , <b>2010</b> , 31, 697-699	1.2	3
286	Synthesis, Electrochemical and Photophysical Properties, and Electroluminescent Performance of the Octa- and Deca(aryl)[60]fullerene Derivatives. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 2224-2229	15.6	45
285	Bis(carbazolyl)benzodifuran: A High-Mobility Ambipolar Material for Homojunction Organic Light-Emitting Diode Devices. <i>Advanced Materials</i> , <b>2009</b> , 21, 3776-3779	24	135

284	Enantioselective Copper-Catalyzed Allylic Substitution Reaction with Aminohydroxyphosphine Ligand. <i>Advanced Synthesis and Catalysis</i> , <b>2009</b> , 351, 1014-1018	5.6	37
283	Iron-Catalyzed Chemoselective ortho Arylation of Aryl Imines by Directed C-H Bond Activation. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 2969-2972	3.6	62
282	Di- and Trinuclear [70]Fullerene Complexes: Syntheses and Metal-Metal Electronic Interactions. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 6357-6359	3.6	4
281	Iron-catalyzed chemoselective ortho arylation of aryl imines by directed C-H bond activation. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 2925-8	16.4	212
280	Di- and trinuclear [70]fullerene complexes: syntheses and metal-metal electronic interactions. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 6239-41	16.4	24
279	Ring-opening reaction of tetrahydrofuran on the penta(organo)[60]fullerenes: synthesis of hydroxybutyl, methacrylate, and norbornene derivatives. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 3411-3413	2	5
278	Hydroxyphosphine ligand for nickel-catalyzed cross-coupling through nickel/magnesium bimetallic cooperation. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 9590-9	16.4	256
277	Iron and ruthenium nanoparticles in carbon prepared by thermolysis of buckymetalloenes. <i>Chemistry - an Asian Journal</i> , <b>2009</b> , 4, 457-65	4.5	13
276	Tetraaryl-substituted benzo[1,2-b:4,5-b']dipyrroles: synthesis, properties, and applications to hole-injection materials in OLED devices. <i>Chemistry - an Asian Journal</i> , <b>2009</b> , 4, 655-7	4.5	36
275	Efficient bidirectional photocurrent generation by self-assembled monolayer of penta(aryl)[60]fullerene phosphonic acid. <i>Chemistry - an Asian Journal</i> , <b>2009</b> , 4, 1208-12	4.5	21
274	pi-Conjugated multidonor/acceptor arrays of fullerene-cobaltadithiolene-tetrathiafulvalene: from synthesis and structure to electronic interactions. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 12643-9	16.4	47
273	Modular synthesis of 1H-indenes, dihydro-s-indacene, and diindenoindacene--a carbon-bridged p-phenylenevinylene congener. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 13596-7	16.4	77
272	Luminescent bow-tie-shaped decaaryl[60]fullerene mesogens. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 17058-9	16.4	44
271	Iron-catalyzed cross-coupling of alkyl sulfonates with arylzinc reagents. <i>Organic Letters</i> , <b>2009</b> , 11, 4306-9.	6.2	84
270	Synthesis of benzo[b]siloles via KH-promoted cyclization of (2-alkynylphenyl)silanes. <i>Organic Letters</i> , <b>2009</b> , 11, 3966-8	6.2	47
269	Penta(organo)[60]fullerenes as acceptors for organic photovoltaic cells. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 5804		64
268	Indium-catalyzed [1 + n] annulation reaction between beta-ketoester and alpha,omega-diyne. <i>Organic Letters</i> , <b>2009</b> , 11, 1845-7	6.2	22
267	Synthesis of imino[60]fullerenes using nitriles and trimethylsilylmethyl triflate. <i>Organic Letters</i> , <b>2009</b> , 11, 4192-4	6.2	7

266	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> , <b>2009</b> , 131, 4099-109	16.4	44
265	Iron-catalysed fluoroaromatic coupling reactions under catalytic modulation with 1,2-bis(diphenylphosphino)benzene. <i>Chemical Communications</i> , <b>2009</b> , 1216-8	5.8	87
264	Benzo[b]phosphole sulfides. Highly electron-transporting and thermally stable molecular materials for organic semiconductor devices. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 3364		120
263	Photoinduced electron transfer of nanohybrids of carbon nanohorns with amino groups and tetrabenzoic acid porphyrin in aqueous media. <i>New Journal of Chemistry</i> , <b>2009</b> , 33, 2261	3.6	19
262	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> , <b>2009</b> , 131, 16048-50	16.4	454
261	Synthesis of Ethyl 2-Ethanoyl-2-Methyl-3-Phenylbut-3-Enoate <b>2009</b> , 325-332		2
260	Imaging the passage of a single hydrocarbon chain through a nanopore. <i>Nature Nanotechnology</i> , <b>2008</b> , 3, 595-7	28.7	51
259	Modular synthesis of functionalized benzosiloles by tin-mediated cyclization of (o-Alkynylphenyl)silane. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 4240-1	16.4	62
258	Photocurrent-generating properties of organometallic fullerene molecules on an electrode. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 5016-7	16.4	75
257	Group 6 Metal Complexes of the $\mathbb{B}$ -Pentamethyl[60]fullerene. <i>Organometallics</i> , <b>2008</b> , 27, 4611-4617	3.8	23
256	Light emission of [10]cyclophenacene through energy transfer from neighboring carbazolylphenyl dendrons. <i>Organic Letters</i> , <b>2008</b> , 10, 4145-7	6.2	19
255	Modular synthesis of benzo[b]phosphole derivatives via BuLi-mediated cyclization of (o-alkynylphenyl)phosphine. <i>Organic Letters</i> , <b>2008</b> , 10, 2263-5	6.2	96
254	Synthesis of Metal Fullerene Complexes by the Use of Fullerene Halides. <i>Organometallics</i> , <b>2008</b> , 27, 3403-3409	3.8	29
253	Imaging of conformational changes of biotinylated triamide molecules covalently bonded to a carbon nanotube surface. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 7808-9	16.4	30
252	Origin of the regio- and stereoselectivity of allylic substitution of organocopper reagents. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 12862-3	16.4	85
251	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> , <b>2008</b> , 130, 15688-701	16.4	25
250	Addition of tetrahydrofuran to [60]fullerene through C-H bond activation induced by arylzinc reagents. <i>Organic Letters</i> , <b>2008</b> , 10, 1251-4	6.2	22
249	Construction of a chiral quaternary carbon center by indium-catalyzed asymmetric alpha-alkenylation of beta-ketoesters. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 4492-6	16.4	66

- 248 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
- 247 Selective multiaddition of organocopper reagents to fullerenes. *Chemical Reviews*, **2008**, 108, 3016-28 68.1 316
- 246 Mono- and penta-addition of enol silyl ethers to [60]fullerene. *Organic Letters*, **2008**, 10, 4923-6 6.2 12
- 245 Synthesis of C<sub>5</sub>-symmetric functionalized [60]fullerenes by copper-mediated 5-fold addition of Reformatsky reagents. *Organic Letters*, **2008**, 10, 621-3 6.2 19
- 244 Uniquely shaped double-decker buckyferrocenes—distinct electron donor-acceptor interactions. *Journal of the American Chemical Society*, **2008**, 130, 16207-15 16.4 34
- 243 A water-soluble fullerene vesicle alleviates angiotensin II-induced oxidative stress in human umbilical venous endothelial cells. *Hypertension Research*, **2008**, 31, 141-51 4.7 32
- 242 Mechanism of the Nucleophilic Substitution of Acyl Electrophiles using Lithium Organocuprates. *Advanced Synthesis and Catalysis*, **2008**, 350, 1063-1072 5.6 23
- 241 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
- 240 Iron-catalyzed direct arylation through directed C-H bond activation. *Journal of the American Chemical Society*, **2008**, 130, 5858-9 16.4 346
- 239 A ruthenium bridge in fullerene-ferrocene arrays: synthesis of [Ru(C<sub>60</sub>Me<sub>5</sub>)R(CO)<sub>2</sub>] (R=C<sub>6</sub>H<sub>4</sub>Fc, C identical with Cfc) and their charge-transfer properties. *Chemistry - an Asian Journal*, **2008**, 3, 841-8 4.5 20
- 238 Penta(pyrenyl)[60]fullerenes: pyrene-pyrene and [60]fullerene-pyrene interactions in the crystal and in solution. *Chemistry - an Asian Journal*, **2008**, 3, 1350-7 4.5 22
- 237 Lamellar assembly of conical molecules possessing a fullerene apex in crystals and liquid crystals. *Journal of the American Chemical Society*, **2007**, 129, 3052-3 16.4 91
- 236 Imaging of single organic molecules in motion. *Science*, **2007**, 316, 853 33.3 204
- 235 Syntheses and Structural Studies of Functional Fullerenes. *Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry*, **2007**, 65, 44-53 0.2 1
- 234 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
- 233 AlCl<sub>3</sub>-mediated mono-, di-, and trihydroarylation of [60]fullerene. *Angewandte Chemie - International Edition*, **2007**, 46, 3513-6 16.4 46
- 232 Indium-catalyzed cycloisomerization of omega-alkynyl-beta-ketoesters into six- to fifteen-membered rings. *Angewandte Chemie - International Edition*, **2007**, 46, 8060-2 16.4 82
- 231 Regioselective Eightfold and Tenfold Additions of a Pyridine-Modified Organocopper Reagent to [60]Fullerene. *Angewandte Chemie*, **2007**, 119, 2902-2905 3.6 14



230	AlCl <sub>3</sub> -Mediated Mono-, Di-, and Trihydroarylation of [60]Fullerene. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 3583-3586	6	
229	Indium-Catalyzed Cycloisomerization of $\beta$ -Alkynyl- $\beta$ -ketoesters into Six- to Fifteen-Membered Rings. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 8206-8208	3.6	17
228	Synthesis and Catalytic Activity of $\eta^1$ -Allyl and $\eta^3$ -Allyl, Ethyl, and Hydrido Complexes of Ruthenium Pentamethyl[60]Fullerene. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 2729-2733	2.3	10
227	Regioselective $\beta$ -alkylation of ketones with alkyl chlorides and fluorides via highly nucleophilic magnesium enamides. <i>Tetrahedron</i> , <b>2007</b> , 63, 8440-8448	2.4	9
226	Synthesis and bioimaging of positron-emitting <sup>15</sup> O-labeled 2-deoxy-D-glucose of two-minute half-life. <i>Chemistry - an Asian Journal</i> , <b>2007</b> , 2, 57-65	4.5	10
225	Chiral ruthenium-allenylidene complexes that bear a fullerene cyclopentadienyl ligand: synthesis, characterization, and remote chirality transfer. <i>Chemistry - an Asian Journal</i> , <b>2007</b> , 2, 358-66	4.5	28
224	Hoop-Shaped Condensed Aromatic Systems: Synthesis and Structure of Iron- and Ruthenium-Hepta(organo)[60]fullerene Complexes. <i>Chemistry - an Asian Journal</i> , <b>2007</b> , 2, 948-55	4.5	18
223	Energetics of water permeation through fullerene membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 14895-8	11.5	42
222	Imaging of Aromatic Amide Molecules in Motion. <i>Chemistry Letters</i> , <b>2007</b> , 36, 1208-1209	1.7	30
221	Synthesis of Oxy Aminated [60] and [70]Fullerenes with Cumene Hydroperoxide as Oxidant. <i>Chemistry Letters</i> , <b>2007</b> , 36, 20-21	1.7	9
220	Synthesis and properties of 2,3,6,7-tetraarylbenzo[1,2-b:4,5-b']difurans as hole-transporting material. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 11902-3	16.4	210
219	Synthesis of fullerene glycoconjugates via a copper-catalyzed Huisgen cycloaddition reaction. <i>Organic Letters</i> , <b>2007</b> , 9, 4611-4	6.2	92
218	Indium-catalyzed 2-alkenylation of 1,3-dicarbonyl compounds with unactivated alkynes. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 5264-71	16.4	102
217	Reaction pathway of conjugate addition of lithium organozincates to s-trans-enones. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 13360-1	16.4	23
216	3-zincobenzofuran and 3-zincindole: versatile tools for the construction of conjugated structures containing multiple benzoheterole units. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 944-7	16.4	131
215	Preparation, purification, characterization, and cytotoxicity assessment of water-soluble, transition-metal-free carbon nanotube aggregates. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 6676-80	16.4	140
214	3-Zincobenzofuran and 3-Zincindole: Versatile Tools for the Construction of Conjugated Structures Containing Multiple Benzoheterole Units. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 958-961	3.6	35
213	Preparation, Purification, Characterization, and Cytotoxicity Assessment of Water-Soluble, Transition-Metal-Free Carbon Nanotube Aggregates. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 6828-6832	3.6	22

212	Unusual Homocoupling in the Reaction of Diorganocuprates with an Allylic Halide. <i>Organometallics</i> , <b>2006</b> , 25, 2129-2132	3.8	19
211	Synthesis and structural, electrochemical, and stacking properties of conical molecules possessing buckyferrocene on the apex. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 9586-7	16.4	114
210	Mechanism of remote conjugate addition of lithium organocuprates to polyconjugated carbonyl compounds. <i>Chemistry - an Asian Journal</i> , <b>2006</b> , 1, 322-30	4.5	24
209	2,3-disubstituted benzofuran and indole by copper-mediated C-C bond extension reaction of 3-zincobenzoheterole. <i>Organic Letters</i> , <b>2006</b> , 8, 2803-5	6.2	140
208	Remote Chirality Transfer within a Coordination Sphere by the Use of a Ligand Possessing a Concave Cavity. <i>Organometallics</i> , <b>2006</b> , 25, 2826-2832	3.8	34
207	Nonviral gene delivery by tetraamino fullerene. <i>Molecular Pharmaceutics</i> , <b>2006</b> , 3, 124-34	5.6	80
206	Synthesis of ultrafine Gd <sub>2</sub> O <sub>3</sub> nanoparticles inside single-wall carbon nanohorns. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 5179-81	3.4	64
205	Bimetallic Synergism in Alkyne Silylformylation Catalyzed by a Cobalt-Rhodium Mixed-Metal Cluster. <i>Organometallics</i> , <b>2006</b> , 25, 3867-3875	3.8	29
204	Synthesis and electrochemistry of double-decker buckyferrocenes. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 7154-5	16.4	55
203	Convergent synthesis of a polyfunctionalized fullerene by regioselective five-fold addition of a functionalized organocopper reagent to C <sub>60</sub> . <i>Organic Letters</i> , <b>2006</b> , 8, 1463-6	6.2	43
202	Sharing orbitals: ultrafast excited state deactivations with different outcomes in bucky ferrocenes and ruthenocenes. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 9420-7	16.4	54
201	Aminohydroxyphosphine ligand for the copper-catalyzed enantioselective conjugate addition of organozinc reagents. <i>Organic Letters</i> , <b>2006</b> , 8, 4153-5	6.2	69
200	Diels-Alder Reaction of Cyclopentadienone Acetal with Pyrrole and Indole. <i>Bulletin of the Chemical Society of Japan</i> , <b>2006</b> , 79, 1288-1292	5.1	5
199	Coupling of Alkylarene and Pentamethyl[60]fullerene by Iridium-catalyzed Benzylic C-H Bond Activation. <i>Chemistry Letters</i> , <b>2006</b> , 35, 858-859	1.7	24
198	Synthesis of trialkyl[60]fullerene C <sub>60</sub> (CH <sub>2</sub> SiMe <sub>3</sub> ) <sub>3</sub> H and its potassium and rhodium(I) complexes. <i>Inorganica Chimica Acta</i> , <b>2006</b> , 359, 1979-1982	2.7	25
197	Gene delivery by aminofullerenes: structural requirements for efficient transfection. <i>Chemistry - an Asian Journal</i> , <b>2006</b> , 1, 167-75	4.5	92
196	Syntheses and Structural Studies of Cyclic .PI.-Electron Conjugated System, Cyclophenacenes. <i>Nihon Kessho Gakkaishi</i> , <b>2006</b> , 48, 277-282	0	
195	Synthesis of 6,9,12,15,18-Pentamethyl-1,6,9,12,15,18-Hexahydro(C <sub>60</sub> -1h)[5,6]Fullerene <b>2006</b> , 80-86		2

194	Thermodynamic and kinetic control in selective ligand transfer in conjugate addition of mixed organocuprate Me(X)CuLi. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 4697-706	16.4	52
193	Mössbauer spectroscopy of bucky ferrocenes: lattice dynamics and motional anisotropy of the metal atom. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 5629-35	5.1	43
192	Reactivity and stability of organocopper(I), silver(I), and gold(I) ate compounds and their trivalent derivatives. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 1446-53	16.4	66
191	Synthesis and Derivatization of Iridium(I) and Iridium(III) Pentamethyl[60]fullerene Complexes. <i>Organometallics</i> , <b>2005</b> , 24, 89-95	3.8	37
190	Ball-and-socket stacking of supercharged geodesic polyarenes: bonding by interstitial lithium ions. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 9581-7	16.4	55
189	Fractal behavior of functionalized fullerene aggregates. I. Aggregation of two-handed tetraaminofullerene with DNA. <i>Langmuir</i> , <b>2005</b> , 21, 9824-31	4	22
188	Syntheses, structure, and derivatization of potassium complexes of penta(organo)[60]fullerene-monoanion, -dianion, and -trianion into hepta- and octa(organo)fullerenes. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 8457-66	16.4	68
187	Alkylation of magnesium enamide with alkyl chlorides and fluorides. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 14192-3	16.4	36
186	Synergistic dimetallic effects in propargylic substitution reaction catalyzed by thiolate-bridged diruthenium complex. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 9428-38	16.4	95
185	Synthesis of hydrophosphorylated fullerene under neutral conditions. <i>Organic Letters</i> , <b>2005</b> , 7, 5633-5	6.2	22
184	Nickel-catalyzed cross-coupling reaction of aryl fluorides and chlorides with grignard reagents under nickel/magnesium bimetallic cooperation. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 17978-9	16.4	211
183	Regioselective oxygenative tetraamination of [60]fullerene. Fullerene-mediated reduction of molecular oxygen by amine via ground state single electron transfer in dimethyl sulfoxide. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 4826-32	4.2	93
182	Indium triflate-catalyzed vinylation of beta-ketoesters with acetylene gas. <i>Organic Letters</i> , <b>2005</b> , 7, 3279-81	6.1	58
181	Organic and organometallic derivatives of dihydrogen-encapsulated [60]fullerene. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 17148-9	16.4	54
180	X-ray Crystallographic Characterization of Potassium Pentaphenyl[60]fullerene. <i>Chemistry Letters</i> , <b>2005</b> , 34, 1078-1079	1.7	28
179	Three-component synthesis of polysubstituted benzene derivatives via Diels-Alder reaction of cyclopentadienone acetal with alkyne. <i>Tetrahedron</i> , <b>2005</b> , 61, 11449-11455	2.4	24
178	Ultra-rapid synthesis of 15O-labeled 2-deoxy-D-glucose for positron emission tomography (PET). <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 2708-2711	16.4	25
177	Mechanism of remote conjugate addition of a lithium organocuprate to a polyconjugated carbonyl compound. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 4721-3	16.4	20

176	Synthesis of chiral alpha-fluoroketones through catalytic enantioselective decarboxylation. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 7248-51	16.4	185
175	Ultra-rapid Synthesis of $^{15}\text{O}$ -Labeled 2-Deoxy-D-glucose for Positron Emission Tomography (PET). <i>Angewandte Chemie</i> , <b>2005</b> , 117, 2768-2771	3.6	8
174	Mechanism of Remote Conjugate Addition of a Lithium Organocuprate to a Polyconjugated Carbonyl Compound. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 4799-4801	3.6	9
173	Synthesis of Chiral $\alpha$ -Fluoroketones through Catalytic Enantioselective Decarboxylation. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 7414-7417	3.6	77
172	A Modular Approach to $\alpha$ -Arylated Carbonyl Compounds via Indium Tris(bistriflylamide)-Catalyzed Regioselective Addition of $\beta$ -Ketoesters to 1,3-Diynes. <i>Advanced Synthesis and Catalysis</i> , <b>2005</b> , 347, 1681-1686	5.6	31
171	Iron-Catalyzed Chemoselective Cross-Coupling of Primary and Secondary Alkyl Halides with Arylzinc Reagents. <i>Synlett</i> , <b>2005</b> , 2005, 1794-1798	2.2	148
170	Selective deposition of a gadolinium(III) cluster in a hole opening of single-wall carbon nanohorn. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 8527-30	11.5	101
169	Iron-catalyzed cross-coupling of primary and secondary alkyl halides with aryl grignard reagents. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 3686-7	16.4	445
168	Functionalized Fullerenes in Water. The First 10 Years of Their Chemistry, Biology, and Nanoscience. <i>ChemInform</i> , <b>2004</b> , 35, no		2
167	Photoinduced change in the Raman spectrum of buckyferrocene ((Fe(C <sub>60</sub> (CH <sub>3</sub> ) <sub>5</sub> )C <sub>5</sub> H <sub>5</sub> ). <i>Solid State Communications</i> , <b>2004</b> , 132, 197-201	1.6	6
166	Bucky ferrocene and ruthenocene: serendipity and discoveries. <i>Journal of Organometallic Chemistry</i> , <b>2004</b> , 689, 4630-4635	2.3	47
165	Multilayer vesicles and vesicle clusters formed by the fullerene-based surfactant C <sub>60</sub> (CH <sub>3</sub> ) <sub>5</sub> K. <i>Journal of Colloid and Interface Science</i> , <b>2004</b> , 275, 632-41	9.3	57
164	Mechanism and ligand-transfer selectivity of 1,2-addition of organozincate complexes to aldehyde. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 10897-903	16.4	52
163	Mechanism of Addition of Organocuprates to Alkynyl Carbonyl Compounds. A Mechanistic Bridge between Carbocupration and Conjugate Addition. <i>Organometallics</i> , <b>2004</b> , 23, 1081-1088	3.8	23
162	Molecular Orientation and Electronic Structure of Epitaxial Bucky Ferrocene (Fe(C <sub>60</sub> (CH <sub>3</sub> ) <sub>5</sub> )C <sub>5</sub> H <sub>5</sub> ) Thin Films. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 9914-9918	3.4	10
161	Thermal and palladium-catalyzed [3 + 2] synthesis of cyclopentadienone acetals from cyclopropanone acetals and acetylenes. <i>Organic Letters</i> , <b>2004</b> , 6, 3569-71	6.2	30
160	Mechanism and regioselectivity of reductive elimination of $\pi$ -allylcopper (III) intermediates. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 6287-93	16.4	122
159	Nickel, Palladium, and Platinum Complexes of $\beta$ -Cyclopentadienide C <sub>60</sub> R <sub>5</sub> Ligands. Kinetic and Thermodynamic Stabilization Effects of the C <sub>60</sub> Ph <sub>5</sub> Ligand. <i>Organometallics</i> , <b>2004</b> , 23, 3259-3266	3.8	59

158	Mechanism of substitution reaction on sp <sup>2</sup> -carbon center with lithium organocuprate. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 12264-5	16.4	24
157	Alpha-alkylation of ketones by addition of zinc enamides to unactivated olefins. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 11820-5	16.4	40
156	Creation of hoop- and bowl-shaped benzenoid systems by selective detracting of [60]fullerene conjugation. [10]cyclophenacene and fused corannulene derivatives. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 8725-34	16.4	77
155	Stereoselective synthesis of tetra-substituted olefins via addition of zinc enolates to unactivated alkynes. <i>Organic Letters</i> , <b>2004</b> , 6, 4837-40	6.2	41
154	Zn(II)/Amine-Catalyzed Coupling Reaction of Alkylidenemalonates with Propargyl Alcohol: A One-Pot Synthesis of Methylene-tetrahydrofurans. <i>Organic Letters</i> , <b>2004</b> , 6, 3017-3017	6.2	5
153	Reaction pathway and stereoselectivity of asymmetric synthesis of chrysanthemate with the aratani C <sub>1</sub> -symmetric salicylaldehyde-copper catalyst. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 7271-80	16.4	41
152	Zn(II)/amine-catalyzed coupling reaction of alkylidenemalonates with propargyl alcohol: a one-pot synthesis of methylene-tetrahydrofurans. <i>Organic Letters</i> , <b>2004</b> , 6, 2015-7	6.2	61
151	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> , <b>2004</b> , 126, 432-3	16.4	113
150	On the Reaction Mechanism of Higher-Order Cuprate—Alias Lipshutz Cuprate— <i>Bulletin of the Chemical Society of Japan</i> , <b>2004</b> , 77, 1-12	5.1	39
149	Synthesis of Functionalized Fullerene by Mono-alkylation of Fullerene Cyclopentadienide. <i>Chemistry Letters</i> , <b>2004</b> , 33, 328-329	1.7	34
148	Synthesis and Reactivity of Bucky Ruthenocene Ru(η <sup>5</sup> -C <sub>60</sub> Me <sub>5</sub> )(η <sup>5</sup> -C <sub>5</sub> H <sub>5</sub> ). <i>Chemistry Letters</i> , <b>2004</b> , 33, 68-69	1.7	52
147	Functionalized fullerenes in water. The first 10 years of their chemistry, biology, and nanoscience. <i>Accounts of Chemical Research</i> , <b>2003</b> , 36, 807-15	24.3	781
146	Theoretical studies on structures and reactivities of organocuprate(I) and organocopper(III) species. <i>Journal of Computational Chemistry</i> , <b>2003</b> , 24, 1401-9	3.5	42
145	Theoretical Studies on Diastereo- and Enantioselective Rhodium-Catalyzed Cyclization of Diazo Compound via Intramolecular C—H Bond Insertion. <i>Advanced Synthesis and Catalysis</i> , <b>2003</b> , 345, 1159-1171 <sup>5,6</sup>	5.6	57
144	Rhenium-Templated Regioselective Polyhydrogenation Reaction of [60]Fullerene. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 3654-3656	3.6	9
143	Rhenium-templated regioselective polyhydrogenation reaction of [60]fullerene. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 3530-2	16.4	37
142	Synthesis and catalytic activity of rhodium diene complexes bearing indenyl-type fullerene η <sup>5</sup> -ligand. <i>Journal of Organometallic Chemistry</i> , <b>2003</b> , 683, 295-300	2.3	38
141	Cyclopropanone acetals-synthesis and reactions. <i>Chemical Reviews</i> , <b>2003</b> , 103, 1295-326	68.1	155

140	Ruthenium(II) Complexes of Pentamethylated [60]Fullerene. Alkyl, Alkynyl, Chloro, Isocyanide, and Phosphine Complexes. <i>Organometallics</i> , <b>2003</b> , 22, 2554-2563	3.8	60
139	Synthesis of ferrocene/hydrofullerene hybrid and functionalized bucky ferrocenes. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 13974-5	16.4	76
138	Indium-catalyzed addition of active methylene compounds to 1-alkynes. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 13002-3	16.4	132
137	Synthesis, structure, and aromaticity of a hoop-shaped cyclic benzenoid [10]cyclophenacene. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 2834-5	16.4	166
136	Synthesis of fullerene glycoconjugates through sulfide connection in aqueous media. <i>Organic Letters</i> , <b>2003</b> , 5, 4461-3	6.2	37
135	Enantioselective synthesis of alpha-substituted ketones by asymmetric addition of chiral zinc enamides to 1-alkenes. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 6362-3	16.4	49
134	Iron-catalyzed regio- and stereoselective ring opening of [2.2.1]- and [3.2.1]oxabicyclic alkenes with a Grignard reagent. <i>Organic Letters</i> , <b>2003</b> , 5, 1373-5	6.2	92
133	Theoretical studies on structures and aromaticity of finite-length armchair carbon nanotubes. <i>Organic Letters</i> , <b>2003</b> , 5, 3181-4	6.2	149
132	Regioselective synthesis of [60]fullerene eta 5-indenide R <sub>3</sub> C <sub>60</sub> - and eta 5-cyclopentadienide R <sub>5</sub> C <sub>60</sub> - bearing different R groups. <i>Organic and Biomolecular Chemistry</i> , <b>2003</b> , 1, 2604-11	3.9	25
131	Fulleren and DNA. <i>Kobunshi</i> , <b>2003</b> , 52, 142-142		1
130	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 <b>2003</b> , 144-159		2
129	Stacking of conical molecules with a fullerene apex into polar columns in crystals and liquid crystals. <i>Nature</i> , <b>2002</b> , 419, 702-5	50.4	367
128	Density Functional Studies on Kinetic Reactivity of Higher OrderLipshutz Cuprate in Addition Reaction to Acetylene. <i>Bulletin of the Chemical Society of Japan</i> , <b>2002</b> , 75, 1815-1818	5.1	6
127	Carbozincation of Dipolar Trimethylenemethane. A New Route to Functionalized Organozinc Reagents. <i>Chemistry Letters</i> , <b>2002</b> , 31, 146-147	1.7	5
126	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> , <b>2002</b> , 124, 7181-92	16.4	315
125	Thermal reactions of dipolar trimethylenemethane species. <i>Accounts of Chemical Research</i> , <b>2002</b> , 35, 867-77	24.3	134
124	Hybrid of ferrocene and fullerene. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 9354-5	16.4	151
123	[3+2] Cycloaddition of Trimethylenemethane and its Synthetic Equivalentents <b>2002</b> , 1-217		19

122	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> , <b>2002</b> , 12, 2109-2115		26
121	Synthesis of disubstituted cucurbit[6]uril and its rotaxane derivative. <i>Organic Letters</i> , <b>2002</b> , 4, 1287-9	6.2	134
120	Synthesis and Transfection Capability of Multi-Functionalized Fullerene Polyamine. <i>Chemistry Letters</i> , <b>2001</b> , 30, 1214-1215	1.7	23
119	Kinetic Reactivity of Higher Order Cuprates in SN2 Alkylation Reactions. <i>Angewandte Chemie</i> , <b>2001</b> , 113, 1989-1992	3.6	1
118	Atomic Force Microscope Studies on Condensation of Plasmid DNA with Functionalized Fullerenes. <i>Angewandte Chemie</i> , <b>2001</b> , 113, 3468-3471	3.6	7
117	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	16.4	19
116	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.. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 3364-3367	16.4	56
115	Spherical bilayer vesicles of fullerene-based surfactants in water: a laser light scattering study. <i>Science</i> , <b>2001</b> , 291, 1944-7	33.3	367
114	Density functional studies on the Pauson-Khand reaction. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 1703-8	16.4	127
113	Theoretical Studies on Solvent and Substituent Effects of Cuprate Conjugate Addition. <i>Organometallics</i> , <b>2001</b> , 20, 5675-5681	3.8	37
112	Regioselective allylzincation of alkenylboronate. <i>Organic Letters</i> , <b>2001</b> , 3, 3137-40	6.2	29
111	Chemistry of B-fullerene metal complexes. <i>Pure and Applied Chemistry</i> , <b>2001</b> , 73, 355-359	2.1	53
110	Pentaorgano[60]fullerene R5C60 A Water Soluble Hydrocarbon Anion. <i>Chemistry Letters</i> , <b>2000</b> , 29, 1098-1099	1.7	63
109	Synthesis of Pentamethyl-monohydro[60]fullerene C60Me5H and Its Use as Cyclopentadienyl-Type Ligand Precursor. <i>Chemistry Letters</i> , <b>2000</b> , 29, 270-271	1.7	42
108	Warum denn Kupfer? Strukturen und Reaktionsmechanismen von Organocupratclustern in der Organischen Chemie. <i>Angewandte Chemie</i> , <b>2000</b> , 112, 3902-3924	3.6	65
107	Functionalized Fullerene as an Artificial Vector for Transfection. <i>Angewandte Chemie</i> , <b>2000</b> , 112, 4424-4427	3.7	14
106	Ternary Complexes Between DNA, Polyamine, and Cucurbituril: A Modular Approach to DNA-Binding Molecules. <i>Angewandte Chemie</i> , <b>2000</b> , 112, 4427-4430	3.6	10
105	Wherefore Art Thou Copper? Structures and Reaction Mechanisms of Organocuprate Clusters in Organic Chemistry. <i>Angewandte Chemie - International Edition</i> , <b>2000</b> , 39, 3750-3771	16.4	197

104	Functionalized Fullerene as an Artificial Vector for Transfection. <i>Angewandte Chemie - International Edition</i> , <b>2000</b> , 39, 4254-4257	16.4	108
103	Ternary Complexes Between DNA, Polyamine, and Cucurbituril: A Modular Approach to DNA-Binding Molecules. <i>Angewandte Chemie - International Edition</i> , <b>2000</b> , 39, 4257-4260	16.4	73
102	Single-step synthesis of pentaaryl-monohydro[60]fullerenes through fivefold addition of organocopper reagent to C <sub>60</sub> . <i>Journal of Organometallic Chemistry</i> , <b>2000</b> , 599, 32-36	2.3	55
101	Correlation of Reactivities of Organocuprate(I) and Zincate(II) with d-Orbital Energies of Ate Complexes. <i>Tetrahedron</i> , <b>2000</b> , 56, 2805-2809	2.4	42
100	One-step multiple addition of amine to. <i>Organic Letters</i> , <b>2000</b> , 2, 3663-5	6.2	78
99	Iron-Catalyzed Olefin Carbometalation. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 978-979	16.4	199
98	A Cage with Fullerene End Caps. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 2669-2670	16.4	40
97	Stepwise Synthesis of Fullerene Cyclopentadienide R(5)C(60)(-) and Indenide R(3)C(60)(-). An Approach to Fully Unsymmetrically Substituted Derivatives. <i>Organic Letters</i> , <b>2000</b> , 2, 1919-1921	6.2	37
96	Mechanism of Addition of Allylmetal to Vinylmetal. Dichotomy between Metalloene Reaction and Metallacyclopentadiene Rearrangement. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 11791-11798	16.4	33
95	Half-Sandwich Metallocene Embedded in a Spherically Extended $\pi$ -Conjugate System. Synthesis, Structure, and Electrochemistry of Rh( $\eta$ -C <sub>60</sub> Me <sub>5</sub> )(CO) <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 12407-12408	16.4	62
94	Asymmetric construction of quaternary carbon centers by regio- and enantiocontrolled allylzincation. <i>Organic Letters</i> , <b>2000</b> , 2, 2193-6	6.2	39
93	Complexation of Lewis Acid with Trialkylcopper(III): On the Origin of BF <sub>3</sub> -Acceleration of Cuprate Conjugate Addition. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 1826-1827	16.4	58
92	Mechanism of S <sub>N</sub> 2 Alkylation Reactions of Lithium Organocuprate Clusters with Alkyl Halides and Epoxides. Solvent Effects, BF <sub>3</sub> Effects, and Trans-Diaxial Epoxide Opening. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 7294-7307	16.4	84
91	Correlation of coordination geometry of copper atom to reactivities of organocuprate. Molecular orbital analysis of dimethylcuprate anion. <i>Tetrahedron Letters</i> , <b>1999</b> , 40, 5319-5322	2	25
90	Theoretical studies on $\pi$ -complex formation of organocopper compounds with acetylene. The origin of nucleophilicity of organocuprates. <i>Computational and Theoretical Chemistry</i> , <b>1999</b> , 461-462, 167-175		17
89	Density Functional Studies on Conjugate Addition of (Me <sub>2</sub> CuLi) <sub>2</sub> to Cyclohexenone: Stereoselectivity and Rate-Determining Step. <i>Chemistry - A European Journal</i> , <b>1999</b> , 5, 1534-1543	4.8	62
88	One-Pot Synthesis of Pyrroles through Carbometalation Reaction of Zincated Hydrazone with Vinylstannane. <i>Organic Letters</i> , <b>1999</b> , 1, 1505-1507	6.2	24
87	Macrocyclopropane Synthesis by Copper- and Silver-Mediated Cyclization of Tethered Cyclopropanone Acetals. Electronic Tuning of Metal Vinylcarbene Complex into Vinylmetallic Species. <i>Organic Letters</i> , <b>1999</b> , 1, 407-410	6.2	8



86	Ligand Transfer Selectivity in the Conjugate Addition of a Mixed Organocuprate Bearing a Dummy Ligand. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 8941-8942	16.4	42
85	Synergetic Dimetallic Effects in Gaudemar/Normant Coupling between Allylzinc and Vinyl Grignard Reagents. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 8665-8666	16.4	28
84	Density Functional Studies on Conjugate Addition of (Me <sub>2</sub> CuLi) <sub>2</sub> to Cyclohexenone: Stereoselectivity and Rate-Determining Step <b>1999</b> , 5, 1534		2
83	Theoretical Studies on Lewis Acid Acceleration in Simmons-Smith Reaction. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 5844-5845	16.4	62
82	Theoretical Studies on S <sub>N</sub> 2-Reaction of MeBr with Me <sub>2</sub> CuLiLiCl. Solvent and Cluster Effects on Oxidative Addition/Reductive Elimination Pathway. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 8273-8274	16.4	49
81	Enantioselective Addition of Allylzinc Reagent to Alkynyl Ketones. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 5846-5847	16.4	60
80	Synthesis of Indenyl-type Fullerene Ligand and Its Metal Complexes via Quantitative Trisarylation of C <sub>70</sub> . <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 8285-8286	16.4	71
79	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> , <b>1998</b> , 63, 1694-1703	4.2	38
78	Olefin Carbometalation with (Alkoxy)allylic Lithium and Zinc Reagents. Four-Centered vs Six-Centered Mechanism of Allylmetalation Reaction. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 13334-13341	16.4	35
77	Preparative Routes to Organozinc Reagents Used for Organic Synthesis.. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , <b>1998</b> , 56, 632-644	0.2	11
76	Conversion of Alkyl Halides into Alcohols Using a Near Stoichiometric Amount of Molecular Oxygen: An Efficient Route to 18O- and 17O-Labeled Alcohols. <i>Synlett</i> , <b>1997</b> , 1997, 801-802	2.2	24
75	Open Dimer Participation in Chelation Controlled Addition of Methylolithium Dimer to $\alpha,\beta$ -Alkoxy Aldehydes. <i>Chemistry Letters</i> , <b>1997</b> , 26, 1079-1080	1.7	12
74	Addition of Zincated Hydrazone to Vinyl Grignard Reagent. Ketone Synthesis by One-Pot Assembly of Four Components. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 5457-5458	16.4	50
73	Synthetic and Computational Studies on Symmetry-Defined Double Cycloaddition of a New Tris-Annulating Reagent to C <sub>60</sub> . <i>Journal of Organic Chemistry</i> , <b>1997</b> , 62, 5034-5041	4.2	49
72	Reaction Pathway of the Conjugate Addition of Lithium Organocuprate Clusters to Acrolein. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 4900-4910	16.4	91
71	Theoretical Studies on the Addition of Polymetallic Lithium Organocuprate Clusters to Acetylene. Cooperative Effects of Metals in a Trap-and-Bite Reaction Pathway. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 4887-4899	16.4	66
70	Endohedral Homoconjugation in Cyclopentadiene Embedded in C(60). Theoretical and Electrochemical Evidence. <i>Journal of Organic Chemistry</i> , <b>1997</b> , 62, 7912-7913	4.2	88
69	Addition of Azaenolates to Simple, Unactivated Olefins. <i>Angewandte Chemie International Edition in English</i> , <b>1997</b> , 36, 2491-2493		51

68	Enantioselective Allylzincation of Cyclic Aldimines in the Presence of Anionic Bis-oxazoline Ligand. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 8489-8490	16.4	82
67	The First Pentahaptofullerene Metal Complexes. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 12850-12851	16.4	235
66	Regio- and diastereo-controlled double cycloaddition to [60] fullerene: one-step synthesis of C <sub>s</sub> and C <sub>2</sub> chiral organofullerenes with new tris-annulating reagents. <i>Chemical Communications</i> , <b>1996</b> , 1747	5.8	30
65	Biological Activity of Water-Soluble Fullerenes. Structural Dependence of DNA Cleavage, Cytotoxicity, and Enzyme Inhibitory Activities Including HIV-Protease Inhibition. <i>Bulletin of the Chemical Society of Japan</i> , <b>1996</b> , 69, 2143-2151	5.1	156
64	Photocytotoxicity of water-soluble fullerene derivatives. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>1996</b> , 60, 1359-61	2.1	58
63	Structure of Fullerene Anchored by Five-Membered-Ring. <i>Molecular Crystals and Liquid Crystals</i> , <b>1996</b> , 276, 291-294		1
62	In vivo biological behavior of a water-miscible fullerene: <sup>14</sup> C labeling, absorption, distribution, excretion and acute toxicity. <i>Chemistry and Biology</i> , <b>1995</b> , 2, 385-9		317
61	Synthesis of Cyclopropenone-Containing Amino Acid Mimic. Addition of Cyclopropenyl Cerium Reagent to $\alpha$ -Amino Aldehydes. <i>Synthetic Communications</i> , <b>1995</b> , 25, 2005-2012	1.7	6
60	Langmuir-Blodgett Film of Amphiphilic C <sub>60</sub> Carboxylic Acid. <i>Langmuir</i> , <b>1995</b> , 11, 660-665	4	76
59	Carbometalation of Cyclopropene. Ligand-Induced Enantioselective Allylzincation. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 1179-1180	16.4	55
58	Ein einfacher Weg zu Cyclopenten durch eine [3 + 2]-Cycloadditionsreaktion zwischen einem dipolaren Trimethylenmethan und Alkinen. <i>Angewandte Chemie</i> , <b>1995</b> , 107, 2338-2340	3.6	1
57	Fullerene-Oligonucleotide Conjugates: Photoinduced Sequence-Specific DNA Cleavage. <i>Angewandte Chemie International Edition in English</i> , <b>1995</b> , 33, 2462-2465		173
56	A Concise Synthetic Route to Cyclopentenones by [3 + 2] Cycloaddition of Dipolar Trimethylenemethane to Alkynes. <i>Angewandte Chemie International Edition in English</i> , <b>1995</b> , 34, 2154-2156		17
55	Synthetic Chemistry of Cyclopropenone Acetals. Penitricin and Buckminsterfullerene.. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , <b>1994</b> , 52, 935-945	0.2	12
54	Fulleren-Oligonucleotid-Konjugate: photoinduzierte sequenzspezifische DNA-Spaltung. <i>Angewandte Chemie</i> , <b>1994</b> , 106, 2526-2529	3.6	25
53	Synthesis and [2 + 2] Cycloaddition of Dimethyleneketene Acetals. Reaction with C <sub>60</sub> and Facile Hydrolysis of the C-C Bond Connected to C <sub>60</sub> . <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 1123-1124	16.4	35
52	Photoaddition of silyl ketene acetal to [60]fullerene. Synthesis of $\beta$ -Fullerene-substituted carboxylic esters. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1994</b> , 2753-2754		16
51	Theoretical studies of nucleophilic additions of monomeric and dimeric organometallics. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1994</b> , 90, 1789		31

50	Photoinduced biochemical activity of fullerene carboxylic acid. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 7918-7919	16.4	525
49	Theoretical studies on carbometalation of cyclopropene. Transition structures of addition of methyl anion, methyllithium, methylcopper, and Me <sub>2</sub> Cu- and origin of the high reactivity of the strained double bond. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 99-106	16.4	38
48	A new class of proteinase inhibitor. Cyclopropenone-containing inhibitor of papain. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 1174-1175	16.4	25
47	Chemical derivatization of organofullerenes through oxidation, reduction, and carbon-oxygen and carbon-carbon bond-forming reactions. <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 4796-4798	4.2	29
46	Ligand control in the stereoselective allylzincation of cyclopropenes. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 5867-5868	16.4	49
45	A single electron transfer pathway in the [3+2] cycloaddition of dipolar trimethylenemethane with olefins. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 5344-5345	16.4	36
44	1,2-Asymmetric induction in the SN <sub>2</sub> '-allylation of organocopper and organozinc reagents. <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 5121-5129	4.2	41
43	Theoretical studies on the reaction of solvated methyllithium open dimer with aldehydes. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 11016-11017	16.4	45
42	Regio- and Stereoselective Allylation of Organometallic Reagents.. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , <b>1993</b> , 51, 985-994	0.2	5
41	Chlorosilane-Mediated 1,2-Addition of Organocuprates to $\beta$ -Unsaturated Aldehydes: A Case of Vinylogous Cram's Rule. <i>Synlett</i> , <b>1992</b> , 1992, 309-310	2.2	15
40	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> , <b>1992</b> , 114, 5523-5530	16.4	29
39	Regioselective and endo-stereoselective [3 + 2] cycloaddition of dipolar trimethylenemethane to electron-deficient olefin. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 8707-8708	16.4	32
38	Theoretical studies of heteroatom-directed carbometalation. Addition of methylcopper, dimethylcopper anion, and methyllithium to substituted acetylenes. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 6686-6692	16.4	45
37	General synthesis of cyclopropenones and their acetals. <i>Tetrahedron</i> , <b>1992</b> , 48, 2045-2057	2.4	49
36	Copper-catalyzed reactions of organotitanium reagents. Highly selective SN <sub>2</sub> '-allylation and conjugate addition. <i>Tetrahedron</i> , <b>1992</b> , 48, 5709-5718	2.4	29
35	New Tools in Synthetic Organocopper Chemistry. <i>Synlett</i> , <b>1991</b> , 1991, 539-547	2.2	40
34	Copper-catalyzed reactions of organotitanium reagents. Highly SN <sub>2</sub> '- and anti-selective and diastereo- and chemoselective alkylation of allylic chlorides and phosphates. <i>Journal of Organic Chemistry</i> , <b>1991</b> , 56, 5489-5491	4.2	40
33	Reversible generation of trimethylenemethanes by mild thermolysis of dialkoxymethylenecyclopropanes. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 3183-3184	16.4	35

32	Aerobic conversion of organic halides to alcohols. An oxygenative radical cyclization. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 8980-8982	16.4	62
31	Thermal hetero [3 + 2] cycloaddition approach to functionalized tetrahydrofurans. <i>Journal of Organic Chemistry</i> , <b>1990</b> , 55, 5553-5555	4.2	42
30	Chlorosilane-accelerated conjugate addition of catalytic and stoichiometric organocopper reagents. <i>Tetrahedron</i> , <b>1989</b> , 45, 349-362	2.4	171
29	Me <sub>3</sub> SiCl-assisted 1,2-addition of organocuprates to carbonyl compounds. <i>Tetrahedron Letters</i> , <b>1989</b> , 30, 1975-1978	2	18
28	Total synthesis of (.+.-)-cortisone. Double-hydroxylation reaction for corticoid synthesis. <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 6257-6265	16.4	45
27	Applications of metalated cyclopropanone ketals in a general synthesis of cyclopropanones. An efficient synthesis of the antibiotic penitricin. <i>Journal of Organic Chemistry</i> , <b>1989</b> , 54, 4727-4729	4.2	27
26	Use of methylenecyclopropanone ketals for cyclopentane synthesis. A new efficient thermal [3 + 2] cycloaddition. <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 7285-7286	16.4	64
25	Virtually complete diastereofacial selectivity in the SN <sub>2</sub> ' allylation of organocopper reagents. <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 3091-3093	16.4	61
24	Carbon-carbon bond forming reactions via metal homoenolates.. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , <b>1989</b> , 47, 931-938	0.2	6
23	Carbocupration of cyclopropene. A novel synthon of cyclopropanone enolate and its application to [3 + 2] and [3 + 2 + 2] annulation. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 1297-1298	16.4	68
22	Carbon-carbon bond-forming reactions of zinc homoenolate of esters. A novel three-carbon nucleophile with general synthetic utility. <i>Journal of the American Chemical Society</i> , <b>1987</b> , 109, 8056-8066	16.4	187
21	Application of molecular mechanics calculation in organic synthesis.. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , <b>1987</b> , 45, 1044-1054	0.2	0
20	Me <sub>3</sub> SiCl/HMPA accelerated conjugate addition of catalytic copper reagent. Stereoselective synthesis of enol silyl ether of aldehyde. <i>Tetrahedron Letters</i> , <b>1986</b> , 27, 4025-4028	2	197
19	Me <sub>3</sub> SiCl accelerated conjugate addition of stoichiometric organocopper reagents. <i>Tetrahedron Letters</i> , <b>1986</b> , 27, 4029-4032	2	158
18	Trichlorotitanium and alkoxytitanium homoenolates. Preparation, characterization, and utilization for organic synthesis. <i>Journal of the American Chemical Society</i> , <b>1986</b> , 108, 3745-3755	16.4	78
17	Copper-catalyzed acylation and conjugate addition of zinc homoenolate. Synthesis of 4- and 5-oxo esters. <i>Journal of the American Chemical Society</i> , <b>1984</b> , 106, 3368-3370	16.4	125
16	Ring expansion and cleavage of succinoin derivatives. Geminal acylation, reductive succinoylation, and stereoselective spiro annelation methods. <i>Journal of the American Chemical Society</i> , <b>1984</b> , 106, 1759-1773	16.4	61
15	Fluoride-mediated reactions of enol silyl ethers. Regiospecific monoalkylation of ketones. <i>Journal of the American Chemical Society</i> , <b>1982</b> , 104, 1025-1030	16.4	96

14	Geminal acylation via pinacol rearrangement. Synthesis of spiro[4.n] ring systems. <i>Journal of the American Chemical Society</i> , <b>1977</b> , 99, 961-963	16.4	61
13	Homoenolate anion precursor. Reaction of ester homoenol silyl ether with carbonyl compounds. <i>Journal of the American Chemical Society</i> , <b>1977</b> , 99, 7360-7362	16.4	83
12	Fluoride Catalyzed Addition of Silylacetylenes to Carbonyl Compounds. <i>Angewandte Chemie International Edition in English</i> , <b>1976</b> , 15, 498-499		50
11	Fluorid-katalysierte Addition von Silylacetylenen an Carbonylverbindungen. <i>Angewandte Chemie</i> , <b>1976</b> , 88, 539-539	3.6	11
10	Quaternary ammonium enolates as synthetic intermediates. Regiospecific alkylation reaction of ketones. <i>Journal of the American Chemical Society</i> , <b>1975</b> , 97, 3257-3258	16.4	118
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