# Masahiko Iyoda

List of Publications by Year
in descending order



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|---|---|---|---|
| 140 papers | 4,990 citations | 101543 36 h-index | 110387 64 g-index |
| 153 all docs | 153 docs citations | 153 times ranked | 3876 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Conjugated Macrocycles: Concepts and Applications. Angewandte Chemie - International Edition, 2011, 50, 10522-10553. | 13.8 | 482 |
| 2 | Homocoupling of Aryl Halides Using Nickel(II) Complex and Zinc in the Presence of Et4NI. An Efficient Method for the Synthesis of Biaryls and Bipyridines. Bulletin of the Chemical Society of Japan, 1990, 63, 80-87. | 3.2 | 238 |
| 3 | Bi-TTF, Bis-TTF, and Related TTF Oligomers. Chemical Reviews, 2004, 104, 5085-5114. | 47.7 | 187 |
| 4 | Giant Macrocycles Composed of Thiophene, Acetylene, and Ethylene Building Blocks. Journal of the American Chemical Society, 2006, 128, 16740-16747. | 13.7 | 170 |
| 5 | Conducting supramolecular nanofibers and nanorods. Chemical Society Reviews, 2010, 39, 2420. | 38.1 | 165 |
| 6 | Giant Thienylene-Acetylene-Ethylene Macrocycles with Large Two-Photon Absorption Cross Section and Semishape-Persistence. Journal of the American Chemical Society, 2008, 130, 3252-3253. | 13.7 | 152 |
| 7 | Multifunctional Ï€-expanded oligothiophene macrocycles. Chemical Society Reviews, 2015, 44, 6411-6424. | 38.1 | 120 |
| 8 | Cyclic Tetrathiophenes Planarized by Silicon and Sulfur Bridges Bearing Antiaromatic Cyclooctatetraene Core: Syntheses, Structures, and Properties. Journal of the American Chemical Society, 2010, 132, 1066-1074. | 13.7 | 106 |
| 9 | A new approach to the construction of radialenes by the nickel-catalyzed cyclooligomerization of [3]cumulenes (butatrienes). Journal of the American Chemical Society, 1988, 110, 8494-8500. | 13.7 | 99 |
| 10 | Recent Studies on the Aromaticity and Antiaromaticity of Planar Cyclooctatetraene. Symmetry, 2010, 2, 76-97. | 2.2 | 97 |
| 11 | Synthesis of Tris(tetrathiafulvaleno)dodecadehydro- [18]annulenes and Their Self-Assembly. Organic Letters, 2006, 8, 1917-1920. | 4.6 | 93 |
| 12 | Antiaromatic planar cyclooctatetraene: a strategy for developing ambipolar semiconductors for field effect transistors. Chemical Communications, 2013, 49, 5354. | 4.1 | 93 |
| 13 | Synthesis, Structures, and Photophysical Properties of Ï€-Expanded Oligothiophene 8-mers and Their Saturn-Like C<sub>60</sub> Complexes. Journal of the American Chemical Society, 2015, 137, 3877-3885. | 13.7 | 69 |
| 14 | Hexagonally Ordered Nanostructures Comprised of a Flexible Disk-like Molecule with High Self-Assembling Properties at Neutral and Cationic States. Journal of the American Chemical Society, 2007, 129, 3072-3073. | 13.7 | 67 |
| 15 | Palladium-catalysed coupling of trialkylstannyltetrathiafulvalenes with aryl halides. Journal of the Chemical Society Chemical Communications, 1992, , 158. | 2.0 | 63 |
| 16 | Templated bilayer self-assembly of fully conjugated Ï€-expanded macrocyclic oligothiophenes complexed with fullerenes. Nature Communications, 2017, 8, 14717. | 12.8 | 62 |
| 17 | Dynamic Molecular Tweezers Composed of Dibenzocyclooctatetraene Units: Synthesis, Properties, and Thermochromism in Hostâ€“Guest Complexes. Chemistry - A European Journal, 2009, 15, 6838-6847. | 3.3 | 61 |
| 18 | Solventâ€Induced Crystallineâ€State Emission and Multichromism of a Bent Ï€â€Surface System Composed of Dibenzocyclooctatetraene Units. Chemistry - A European Journal, 2013, 19, 4110-4116. | 3.3 | 61 |

| # | Article | IF | Citations |
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| 19 | Efficient Construction of Biaryls and Macrocyclic Cyclophanes via Electron-Transfer Oxidation of Lipshutz Cuprates. Journal of Organic Chemistry, 2006, 71, 6110-6117. | 3.2 | 59 |
| 20 | Self-assembly and Nanostructure Formation of Multi-functional Organic Ï€-Donors. Chemistry Letters, 2007, 36, 1402-1407. | 1.3 | 59 |
| 21 | A Cyclic Oligophenylene Containing Two 1,8-Naphthalene Units Bridged by Two Face-to-Face Biphenyl Linkages Exhibiting Unusual Strain and Ï€â^Ï€ Interaction. Organic Letters, 2000, 2, 2081-2083. | 4.6 | 57 |
| 22 | Probing Coherence in Synthetic Cyclic Light-Harvesting Pigments. Journal of the American Chemical Society, 2011, 133, 4819-4828. | 13.7 | 57 |
| 23 | Multifunctional Ï€-Expanded Macrocyclic Oligothiophene 6-Mers and Related Macrocyclic Oligomers. Journal of the American Chemical Society, 2014, 136, 2389-2396. | 13.7 | 56 |
| 24 | New Syntheses of Tricyclic Thiophenes and Cyclic Tetrathiophenes Using Transition-Metal-catalyzed Cyclization. Heterocycles, 2000, 52, 761. | 0.7 | 55 |
| 25 | Face-to-Face Dimeric Tetrathiafulvalenes and Their Cation Radical and Dication Species as Models of Mixed Valence and Ï€-Dimer States. Bulletin of the Chemical Society of Japan, 2012, 85, 51-60. | 3.2 | 54 |
| 26 | d-Electron-Induced Negative Magnetoresistance of a Ï€â^'d Interaction System Based on a Brominated-TTF Donor. Inorganic Chemistry, 2005, 44, 2493-2506. | 4.0 | 49 |
| 27 | Relationship between Dynamic Planarization Processes and Exciton Delocalization in Cyclic Oligothiophenes. Journal of Physical Chemistry Letters, 2015, 6, 451-456. | 4.6 | 48 |
| 28 | Synthesis of biphenylenes and tetraphenylenes using copper-catalyzed coupling of arylzinc intermediates. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 159-165. | 1.3 | 45 |
| 29 | Sterically congested pyrrole-fused tetrathiafulvalene decamers as highly conductive amorphous molecular materials. RSC Advances, 2012, 2, 3221. | 3.6 | 45 |
| 30 | Novel synthesis of biphenylene and its derivatives using intramolecular coupling of zincacyclopentadienes. Tetrahedron Letters, 1998, 39, 5393-5396. | 1.4 | 44 |
| 31 | Synthesis of dithienothiophenes, cyclopentadithiophene and silacyclopentadithiophenes using palladium-catalyzed cyclization. Tetrahedron Letters, 1997, 38, 4581-4582. | 1.4 | 40 |
| 32 | Syntheses, Structure and Conducting Properties of Halogenated Ethylenedioxytetrathiafulvalenes. Heterocycles, 2001, 54, 833. | 0.7 | 40 |
| 33 | Aggregation of star-shaped tris(tetrathiafulvalenylethynyl) benzene in solution and in the solid state. Tetrahedron Letters, 2004, 45, 4109-4112. | 1.4 | 40 |
| 34 | All - Z -hexabenzo[24]annulene with a triangular benzene cluster substructure. Tetrahedron Letters, 2004, 45, 359-362. | 1.4 | 38 |
| 35 | Effects of Molecular Association in the Radical-Cations of 1,8-Bis(ethylenedithiotetrathiafulvalenyl)naphthalene. Chemistry Letters, 2001, 30, 1146-1147. | 1.3 | 36 |
| 36 | Novel electron-transfer oxidation of Lipshutz cuprates with 1,4-benzoquinones: an efficient homo-coupling reaction of aryl halides and its application to the construction of macrocyclic systems. Chemical Communications, 2005, , 411. | 4.1 | 36 |

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| 37 | all-Z-Tribenzo[12]-, tetrabenzo[16]- and pentabenzo[20]annulenes. Tetrahedron Letters, 2000, 41, 359-363. | 1.4 | 35 |
| 38 | Copperâ€Mediated Arylâ€Aryl Couplings for the Construction of Oligophenylenes and Related Heteroaromatics. Advanced Synthesis and Catalysis, 2009, 351, 984-998. | 4.3 | 34 |
| 39 | Synthesis of benzocyclobutadiene trimers and all-Z-tribenzo[12]annulene. A new family of concave Ï€-systems. Tetrahedron, 2001, 57, 3567-3576. | 1.9 | 33 |
| 40 | Synthesis of Nonaphenylenes and Dodecaphenylenes Using Electron-Transfer Oxidation of Lipshutz Cuprates and Formation of Nanostructural Materials from Hexadodecyloxynonaphenylene. Journal of Organic Chemistry, 2008, 73, 5542-5548. | 3.2 | 33 |
| 41 | Multi-Tetrathiafulvalene Systems. New Donors Containing Two or Three Tetrathiafulvalene-Substituents at 1,3- and 1,3,5-Positions of Aromatic Rings. Chemistry Letters, 1994, 23, 2369-2372. | 1.3 | 32 |
| 42 | Excitedâ€State Dynamic Planarization of Cyclic Oligothiophenes in the Vicinity of a Ringâ€toâ€Linear Excitonic Behavioral Turning Point. Angewandte Chemie - International Edition, 2015, 54, 12711-12715. | 13.8 | 32 |
| 43 | Helical Tetrathiafulvalene Oligomers. Synthesis and Properties of Bi-, Ter-, and Quatertetrathiafulvalenes. Organic Letters, 2000, 2, 2217-2220. | 4.6 | 31 |
| 44 | Halogenated Bis(methylthio)tetrathiafulvalenes as a Unique Donor System. Chemistry Letters, 1997, 26, 599-600. | 1.3 | 30 |
| 45 | Mono- and bis(tetrathiafulvaleno)hexadehydro[12]annulenesElectronic supplementary information (ESI) available: cyclic voltammograms of the annulenes 1 and 2. See http://www.rsc.org/suppdata/cc/b4/b407200f/. Chemical Communications, 2004, , 2042. | 4.1 | 30 |
| 46 | 4,5-Diiodo-4â€²,5â€²-ethylenedioxytetrathiafulvalene and Its Metallic Radical Salts. Chemistry Letters, 1997, 26, 817-818. | 1.3 | 29 |
| 47 | Copper(I), silver(I), and gold(I) complexes of all - Z -tribenzo[12]annulene. Tetrahedron Letters, 2001, 42, 53-56. | 1.4 | 29 |
| 48 | Fully conjugated macrocycles composed of thiophenes, acetylenes, and ethylenes. Pure and Applied Chemistry, 2010, 82, 831-841. | 1.9 | 29 |
| 49 | Intramolecular Charge Interaction in the Radical Cations and Dications of Conjugated Tetrathiafulvalene Dimers. Chemistry Letters, 2002, 31, 590-591. | 1.3 | 28 |
| 50 | Star-Shaped Pyrrole-Fused Tetrathiafulvalene Oligomers: Synthesis and Redox, Self-Assembling, and Conductive Properties. Organic Letters, 2011, 13, 3896-3899. | 4.6 | 28 |
| 51 | Bent Ï€â€Conjugated Systems Composed of Threeâ€Dimensional Benzoannulenes. Chemical Record, 2015, 15, 329-346. | 5.8 | 28 |
| 52 | Face-to-face fixed ferrocenes. Synthesis and properties of 2,10-diferrocenyl- and 2,5,7,10-tetraferrocenyl-1,6-methano[10]annulenes. Journal of Organometallic Chemistry, 1998, 569, 225-233. | 1.8 | 27 |
| 53 | Bis(tetrathiafulvaleno)octadehydro[20]annulene with Multi-functionality. Chemistry Letters, 2004, 33, 1098-1099. | 1.3 | 26 |
| 54 | Synthesis and Properties of Tetrathiafulvalene-Substituted Ferrocenes. Chemistry Letters, 2001, 30, 1310-1311. | 1.3 | 25 |

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| 55 | Electroactive Nanowires Based on Simple 4,5-Bis(dodecylthio)- and 4,5-Bis(octadecylthio)-4â€²,5â€²-bis(methoxycarbonyl)tetrathiafulvalenes. Chemistry Letters, 2007, 36, 720-721. | 1.3 | 25 |
| 56 | Synthesis of Biaryls Using the Coupling Reaction of Diaryldimethyltins with Copper(II) Nitrate. Chemistry Letters, 2000, 29, 160-161. | 1.3 | 24 |
| 57 | Giant macrocycles composed of thiophene, acetylene, and ethylene units. Comptes Rendus Chimie, 2009, 12, 395-402. | 0.5 | 24 |
| 58 | all-Z-Tetrabenzo[16]- and Pentabenzo[20]annulenes, Ï€-Cavitands Binding to Silver Cation. Organic Letters, 2000, 2, 4017-4020. | 4.6 | 23 |
| 59 | Novel Ï€-Expanded Radialene Macrocycles with Inner Cavity. Organic Letters, 2004, 6, 4667-4670. | 4.6 | 23 |
| 60 | Synthesis of pentadecaphenylenes, their inclusion properties, and nanostructure formation with C60. Chemical Communications, 2013, 49, 9251. | 4.1 | 23 |
| 61 | Syntheses and Properties of Halogenated EDT-TTF Derivatives. Chemistry Letters, 1995, 24, 183-184. | 1.3 | 22 |
| 62 | [6.6](1,8)Naphthalenophane containing 2,2â€²-bithienyl-5,5â€²-ylene bridges. Tetrahedron Letters, 2001, 42, 6869-6872. | 1.4 | 22 |
| 63 | Synthesis and properties of 4â€²,5â€²-bis(methylthio)-4,5-bis(2-pyridylethynyl)tetrathiafulvalene and its copper complexes. Tetrahedron Letters, 2007, 48, 5895-5898. | 1.4 | 22 |
| 64 | Charge-transfer complex and radical cation salt of a new donor EDT-TTFCL2: unique conductivities and crystal structures. Journal of Materials Chemistry, 1996, 6, 501. | 6.7 | 21 |
| 65 | Syntheses, structures, and supramolecular properties of giant Ï€â€expanded macrocyclic oligothiophenes. Heteroatom Chemistry, 2007, 18, 460-466. | 0.7 | 20 |
| 66 | Synthesis and electrical conductivity of perchlorate-doped TTFâ€“diamide nanofibers with double and triple helix structures. Journal of Materials Chemistry, 2010, 20, 10817. | 6.7 | 20 |
| 67 | Synthesis and structural, electronic, optical and FET properties of thiopheneâ€“pyrrole mixed hexamers end-capped with phenyl and pentafluorophenyl groups. Journal of Materials Chemistry, 2011, 21, 14959. | 6.7 | 20 |
| 68 | Synthesis and properties of bitetraselenafulvalene. Tetrahedron Letters, 1999, 40, 5729-5730. | 1.4 | 19 |
| 69 | Short-step syntheses and complexation properties of Z,Z-tribenzodidehydro- and all-Z-tribenzo[12]annulenes. Tetrahedron Letters, 2007, 48, 3433-3436. | 1.4 | 19 |
| 70 | Starâ€Shaped Oligothiophenes with Unique Photophysical Properties and Nanostructured Polymorphs. Chemistry - A European Journal, 2010, 16, 12108-12113. | 3.3 | 19 |
| 71 | Star-shaped tetrathiafulvalene oligomers towards the construction of conducting supramolecular assembly. Beilstein Journal of Organic Chemistry, 2015, 11, 1596-1613. | 2.2 | 19 |
| 72 | Inhomogeneity in the Excited-State Torsional Disorder of a Conjugated Macrocycle. Journal of Physical Chemistry B, 2015, 119, 4116-4126. | 2.6 | 19 |

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|---|---|---|---|
| 73 | Synthesis and Electroconductive Properties of Radical Salts Derived from Tetrathiafulvalene Dimers. Journal of Solid State Chemistry, 2002, 168, 597-607. | 2.9 | 18 |
| 74 | Magnetic Alignment in Solid State and Temperature Hysteresis in Aqueous Tetrahydrofuran Solution for Tetrathiafulvaleno[18]annulenes. ChemPhysChem, 2009, 10, 2607-2611. | 2.1 | 18 |
| 75 | A Saturnâ€Like Complex Composed of Macrocyclic Oligothiophene and C<sub>60</sub> Fullerene: Structure, Stability, and Photophysical Properties in Solution and the Solid State. Chemistry - A European Journal, 2018, 24, 3793-3801. | 3.3 | 18 |
| 76 | Synthesis of the Tris(9-fluorenylidene)cyclopropane Dianion and Related Dianions: [3]Radialenes with Novel Electronic Properties. Angewandte Chemie International Edition in English, 1993, 32, 89-90. | 4.4 | 17 |
| 77 | Selectivity of cyano-Gilman cuprates: synthesis of 10-membered ring cyclophanes. Chemical Communications, 2000, , 2329-2330. | 4.1 | 17 |
| 78 | Self-assembly and Solvatochromic Fiber Formation of 4,5-Bis(dodecylthio)tetrathiafulvalene-4â€²-carboxylic Acid and Its Derivatives. Chemistry Letters, 2007, 36, 1434-1435. | 1.3 | 17 |
| 79 | Additive Electron Pathway and Nonadditive Molecular Conductance by Using a Multipodal Bridging Compound. Journal of Physical Chemistry C, 2014, 118, 5275-5283. | 3.1 | 17 |
| 80 | 3,15,18,30-Tetra-t-butyl-1,16-didehydro[30]annulene. A diatropic 30Ï€ electron system. Tetrahedron Letters, 1973, 14, 4743-4746. | 1.4 | 16 |
| 81 | 1,1-Bis(tetrathiafulvalenyl)ethylene. A unique cross-conjugated dimeric tetrathiafulvalene. Tetrahedron Letters, 1999, 40, 2807-2810. | 1.4 | 16 |
| 82 | Synthesis of Nonaphenylenes and Dodecaphenylenes Using Electron-transfer Oxidation of Lipshutz Cuprate Intermediates. Chemistry Letters, 2005, 34, 1474-1475. | 1.3 | 16 |
| 83 | Synthesis and Properties of Octithiophene Dication Sterically Segregated by Annelation with Bicyclo[2.2.2]octene Units. Materials, 2010, 3, 2037-2052. | 2.9 | 16 |
| 84 | Structures and properties of Saturn-like complexes composed of oligothiophene macrocycle with methano[60]fullerene and [70]fullerene. Canadian Journal of Chemistry, 2017, 95, 315-319. | 1.1 | 16 |
| 85 | Reversible Photoisomerization of Monolayers of Ï€â€Expanded Oligothiophene Macrocycles at Solidâ€“Liquid Interfaces. Angewandte Chemie - International Edition, 2018, 57, 17038-17042. | 13.8 | 16 |
| 86 | Synthesis and Nanostructures of Cyclic Triphenylene Trimers Having Long Alkyl and Alkoxy Sideâ€Chains. Chemistry - an Asian Journal, 2011, 6, 2940-2945. | 3.3 | 15 |
| 87 | The Role of Linkers in the Excited-State Dynamic Planarization Processes of Macrocyclic Oligothiophene 12-Mers. Journal of Physical Chemistry Letters, 2015, 6, 4444-4450. | 4.6 | 15 |
| 88 | Preparation, Spectroscopic Characterization and Theoretical Study of a Three-Dimensional Conjugated 70 Ï€-Electron Thiophene 6-mer Radical Cation Ï€-Dimer. Journal of the American Chemical Society, 2020, 142, 5933-5937. | 13.7 | 15 |
| 89 | Practically useful Reformatsky Type Reactions of Chlorodifluoroacetate and Bromodifluoroacetate Induced by Samarium(II) Diiodide. Synthetic Communications, 1996, 26, 2523-2529. | 2.1 | 14 |
| 90 | Self-Assembly, Chromic Properties, and Nanostructure Formation of Tetrathiafulvalene-Fused Dodecadehydro[18]annulenes. Bulletin of the Chemical Society of Japan, 2012, 85, 1120-1137. | 3.2 | 14 |

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| 91 | Heterocycles structurally influenced by a side chain. X. Effect of temperature and side chain on the imineâ€enamine tautomerism in the quinoxalinone and pyridopyrazinone systems. Journal of Heterocyclic Chemistry, 1997, 34, 773-780. | 2.6 | 13 |
| 92 | Conjugate addition of 6-membered hydrazine to chiral tert-butyl (E)-2-(p-tolylsulfinyl)cinnamates. Synthesis of (S)-celacinnine. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 2924-2930. | 1.3 | 12 |
| 93 | Defining Cyclicâ€“Acyclic Exciton Transition at the Single-Molecule Level: Size-Dependent Conformational Heterogeneity and Exciton Delocalization in Ethynylene-Bridged Cyclic Oligothiophenes. Journal of Physical Chemistry Letters, 2016, 7, 1260-1266. | 4.6 | 12 |
| 94 | Synthesis and Electrochromic Properties of Bis(2-tetrathiafulvalenylethynylphenyl)ethynes. Heterocycles, 2009, 77, 837. | 0.7 | 12 |
| 95 | McMurry Coupling of Diformyldithienylacetylene: Synthesis of [24]-, [36]-, and [48]Annulenes Composed of Thiophene, Acetylene, and Ethylene Units. Heterocycles, 2010, 82, 1143. | 0.7 | 12 |
| 96 | Radical-Cation Salts Based on Brominated and Chlorinated Ethylenedioxytetrathiafulvalenes. Chemistry Letters, 2000, 29, 680-681. | 1.3 | 11 |
| 97 | Synthesis and Properties of Cyclic [5]meta-Phenyleneacetylene and Its Corresponding Cyclophane Polyone, [25](1,3)Cyclophanedecaone. Chemistry Letters, 2008, 37, 784-785. | 1.3 | 11 |
| 98 | Chain-Length-Dependent Exciton Dynamics in Linear Oligothiophenes Probed Using Ensemble and Single-Molecule Spectroscopy. Journal of Physical Chemistry Letters, 2016, 7, 452-458. | 4.6 | 11 |
| 99 | Conducting charge-transfer and radical ion salts based on bitetrathiafulvalenes; an approach to organic metals using stoichiometry control. Journal of Materials Chemistry, 1999, 9, 335-337. | 6.7 | 10 |
| 100 | Ï€- d Interaction-Based Molecular Magnets in TTF-Type Salts. Molecular Crystals and Liquid Crystals, 2002, 376, 535-542. | 0.9 | 9 |
| 101 | Giant Conjugated Macrocycles: Synthesis and Applications. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2012, 70, 1157-1163. | 0.1 | 9 |
| 102 | Bent Ï€-Conjugated System Composed of Two Dibenzocyclooctatetraene Units: Multifunctional Properties of Dynamic Molecular Tweezers in Solution and the Solid State. Bulletin of the Chemical Society of Japan, 2014, 87, 960-973. | 3.2 | 9 |
| 103 | Reversible Color and Shape Changes of Nanostructured Fibers of a Macrocyclic Ï€-Extended Thiophene Hexamer Promoted by Adsorption and Desorption of Organic Vapor. Journal of the American Chemical Society, 2020, 142, 13662-13666. | 13.7 | 9 |
| 104 | Isolation of two conformers of Z,Z-tribenzo[c,g,k][12]annulene-1,2-dione. Tetrahedron Letters, 1999, 40, 2961-2964. | 1.4 | 8 |
| 105 | Synthesis and inclusion properties of a novel macrocyclic hexaketone monohydrate with a hemiacetal structure. Chemical Communications, 2003, , 2586. | 4.1 | 8 |
| 106 | Anomalous Ring Cleavage of 1,3-Dithiole- and 1,3-Diselenole-2-thiones under the Cross-Coupling Conditions Using Triethyl Phosphite. Chemistry Letters, 2004, 33, 570-571. | 1.3 | 8 |
| 107 | Synthesis of bitetrathiafulvalenes with FeCl3-mediated homo-coupling of tetrathiafulvalenylmagnesium bromide and formation of nanostructures from bitetrathiafulvalenes having long alkylthio chains. Tetrahedron Letters, 2010, 51, 679-682. | 1.4 | 8 |
| 108 | Trapping a pentagonal molecule in a self-assembled molecular network: an alkoxylated isosceles triangular molecule does the job. Chemical Communications, 2020, 56, 5401-5404. | 4.1 | 8 |

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| 109 | Reduction of Ethynylenes to Vinylenes in a Macrocyclic Ï€-Extended Thiophene Skeleton Under McMurry Coupling Conditions. Journal of Organic Chemistry, 2021, 86, 302-309. | 3.2 | 8 |
| 110 | Spin-spin coupling between the two unpaired electrons in cross-conjugated tetrathiafulvalene dication radicals. Journal of Physical Organic Chemistry, 2000, 13, 197-202. | 1.9 | 7 |
| 111 | Syntheses, molecular structures, and antiviral activities of 1- and 2-(2â€²-deoxy-d-ribofuranosyl)cyclohepta[d][1,2,3]triazol-6(1H)-ones and 1-(2â€²-deoxy-d-ribofuranosyl)cyclohepta[b]pyrrol-8(1H)-one. Tetrahedron, 2012, 68, 5368-5374. | 1.9 | 7 |
| 112 | Structureâ€Dependent Electronic Nature of Starâ€Shaped Oligothiophenes, Probed by Ensemble and Singleâ€Molecule Spectroscopy. Chemistry - A European Journal, 2013, 19, 9699-9709. | 3.3 | 7 |
| 113 | Syntheses, Structures, and Properties of Bithiophenophanes Bridged at 1,8-Positions of Naphthalenes. Heterocycles, 2008, 76, 727. | 0.7 | 7 |
| 114 | Synthesis and Oxidation of Di-, Tri-, Tetra-, and Pentaamines. Molecular Crystals and Liquid Crystals, 1995, 272, 175-182. | 0.3 | 6 |
| 115 | Novel Molecular Magnets Based on Organic Complexes. Molecular Crystals and Liquid Crystals, 1999, 334, 379-388. | 0.3 | 6 |
| 116 | Bis(ethylenedioxy)-1,4,5,8-tetraselenanaphthalene: The First Example of Tetraselenanaphthalene. Chemistry Letters, 2005, 34, 68-69. | 1.3 | 6 |
| 117 | Supramolecular Structures and Nanoassemblies of Tetrathiafulvalene Oligomers. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2008, 66, 1211-1222. | 0.1 | 6 |
| 118 | Self-assembly and nanostructure formation of amphiphilic 4,5-bis(2-pyridylethynyl)tetrathiafulvalenes. Supramolecular Chemistry, 2011, 23, 304-309. | 1.2 | 6 |
| 119 | Synthesis and Ï€-Amphoteric Properties of Tris(tetrathiafulvaleno)hexadehydro[12]annulene. Heterocycles, 2010, 80, 909. | 0.7 | 6 |
| 120 | Charge Transfer in Fullerene-Conducting Polymer Compositex: Electronic and Excitonic Properties. Fullerenes, Nanotubes, and Carbon Nanostructures, 1997, 5, 1359-1386. | 0.6 | 5 |
| 121 | Small Structural Changes in the Alkyl Substituents of Macrocyclic Ï€â€Extended Thiophene Oligomers Causes a Key Effect on Their Stacking and Functional Properties. ChemPlusChem, 2019, 84, 694-703. | 2.8 | 5 |
| 122 | Chemistry of Fullerenes-the High Reactivity and New Developments.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1995, 53, 756-769. | 0.1 | 5 |
| 123 | Physical Properties of Charge Transfer Salt (EDO-TTFBr2)2AsF6in Mott Insulating State. Bulletin of the Chemical Society of Japan, 1999, 72, 2423-2428. | 3.2 | 4 |
| 124 | 7â€ƒâ€ƒAromatic chemistry. Annual Reports on the Progress of Chemistry Section B, 2002, 98, 359-407. | 0.9 | 4 |
| 125 | Synthesis, properties, and CT complex formation of highly polarized thiocyanotetrathiafulvalenes. Journal of Sulfur Chemistry, 2009, 30, 301-308. | 2.0 | 4 |
| 126 | Synthesis of a Trinuclear Tropoloneâ€“Palladium(II) Macrocycle and Its C60 Inclusion Properties. Chemistry Letters, 2014, 43, 1710-1712. | 1.3 | 4 |

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| 127 | Pentadecaphenylenes: synthesis, self-assembly and complexation with fullerene C<sub>60</sub>. Organic Chemistry Frontiers, 2017, 4, 882-890. | 4.5 | 4 |
| 128 | Reversible Photoisomerization of Monolayers of Ï€â€Expanded Oligothiophene Macrocycles at Solidâ€“Liquid Interfaces. Angewandte Chemie, 2018, 130, 17284-17288. | 2.0 | 4 |
| 129 | Self-Assembly of Radially Ï€-Extended Tetrathiafulvalene Tetramers for Visible and Near Infrared Electrochromic Nanofiber. Bulletin of the Chemical Society of Japan, 2020, 93, 154-162. | 3.2 | 4 |
| 130 | 10-Mesityl-1,8-diphenylanthracene Dimer: Synthesis, Structure, and Properties. Journal of Organic Chemistry, 2018, 83, 3857-3863. | 3.2 | 3 |
| 131 | Ï€-Expanded Cyclic Oligothiophene 12-Mers as Semishape-Persistent Macrocycles. Heterocycles, 2017, 95, 380. | 0.7 | 3 |
| 132 | Polymorphism of Macrocyclic Oligothiophehe 8-Mers. Heterocycles, 2018, 97, 1313. | 0.7 | 3 |
| 133 | Synthesis and Properties of Mono- and Dications of 1,1 -Diferrocen Yleth Ylenes. Molecular Crystals and Liquid Crystals, 1996, 286, 65-70. | 0.3 | 2 |
| 134 | Synthesis and structure of bis(ethylenedioxy)â€1,4,5,8â€tetraselenanaphthalene. Heteroatom Chemistry, 2018, 29, . | 0.7 | 2 |
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