# Tomohiko Ohwada

List of Publications by Year
in descending order



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|---|---|---|---|
| 129 papers | 3,765 citations | 109321 35 h-index | 161849 54 g-index |
| 135 all docs | 135 docs citations | 135 times ranked | 4075 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | TGFÎ± shedding assay: an accurate and versatile method for detecting GPCR activation. Nature Methods, 2012, 9, 1021-1029. | 19.0 | 297 |
| 2 | Cell surface flip-flop of phosphatidylserine is critical for PIEZO1-mediated myotube formation. Nature Communications, 2018, 9, 2049. | 12.8 | 127 |
| 3 | An Evaluation of Amide Group Planarity in 7-Azabicyclo[2.2.1]heptane Amides. Low Amide Bond Rotation Barrier in Solution. Journal of the American Chemical Society, 2003, 125, 15191-15199. | 13.7 | 103 |
| 4 | Prototype Pictetâ^'Spengler Reactions Catalyzed by Superacids. Involvement of Dicationic Superelectrophiles. Journal of Organic Chemistry, 1999, 64, 611-617. | 3.2 | 102 |
| 5 | Structural insights into ligand recognition by the lysophosphatidic acid receptor LPA6. Nature, 2017, 548, 356-360. | 27.8 | 101 |
| 6 | Usefulness and Limitation of DiBAC4(3), a Voltage-Sensitive Fluorescent Dye, for the Measurement of Membrane Potentials Regulated by Recombinant Large Conductance Ca2+-Activated K+ Channels in HEK293 Cells. The Japanese Journal of Pharmacology, 2001, 86, 342-350. | 1.2 | 94 |
| 7 | Structural Features of AliphaticN-Nitrosamines of 7-Azabicyclo[2.2.1]heptanes That Facilitate Nâ^'NO Bond Cleavage. Journal of the American Chemical Society, 2001, 123, 10164-10172. | 13.7 | 88 |
| 8 | Molecular Basis of Pimarane Compounds as Novel Activators of Large-Conductance Ca2+-Activated K+Channel Î±-Subunit. Molecular Pharmacology, 2002, 62, 836-846. | 2.3 | 82 |
| 9 | Superacid-Catalyzed Electrocyclization of 1-Phenyl-2-propen-1-ones to 1-Indanones. Kinetic and Theoretical Studies of Electrocyclization of Oxoniumâ^'Carbenium Dications. Journal of the American Chemical Society, 1997, 119, 6774-6780. | 13.7 | 78 |
| 10 | Friedel-Crafts-type reaction of benzaldehyde with benzene. Diprotonated benzaldehyde as the reactive intermediate.. Journal of the American Chemical Society, 1995, 117, 11081-11084. | 13.7 | 75 |
| 11 | Molecular mechanism of pharmacological activation of BK channels. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3552-3557. | 7.1 | 74 |
| 12 | Orbital-Controlled Stereoselections in Sterically Unbiased Cyclic Systems. Chemical Reviews, 1999, 99, 1337-1376. | 47.7 | 71 |
| 13 | GPR34 is a receptor for lysophosphatidylserine with a fatty acid at the sn-2 position. Journal of Biochemistry, 2012, 151, 511-518. | 1.7 | 69 |
| 14 | Friedel-Crafts-Type Cyclodehydration of 1,3-Diphenyl-1-propanones. Kinetic Evidence for the Involvement of Dication. Journal of the American Chemical Society, 1994, 116, 2312-2317. | 13.7 | 68 |
| 15 | Synthesis and Evaluation of Lysophosphatidylserine Analogues as Inducers of Mast Cell Degranulation. Potent Activities of Lysophosphatidylthreonine and Its 2-Deoxy Derivative. Journal of Medicinal Chemistry, 2009, 52, 5837-5863. | 6.4 | 67 |
| 16 | Three-Center, Two-Electron Systems. Origin of the Tilting of Their Substituents. Journal of the American Chemical Society, 1996, 118, 7247-7254. | 13.7 | 65 |
| 17 | Requirements for Houben-Hoesch and Gattermann reactions. Involvement of diprotonated cyanides in the reactions with benzene. Journal of the American Chemical Society, 1991, 113, 691-692. | 13.7 | 61 |
| 18 | Theoretical Analysis of Lewis Basicity Based on Local Electron-Donating Ability. Origin of Basic Strength of Cyclic Amines. Journal of Organic Chemistry, 2004, 69, 7486-7494. | 3.2 | 61 |

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| 19 | Gene transfection activities of amphiphilic steroidâ€“polyamine conjugates. Biochimica Et Biophysica Acta - Biomembranes, 2000, 1468, 396-402. | 2.6 | 56 |
| 20 | 4H-1,2-Benzoxazines as novel precursors of o-benzoquinone methide. Journal of the American Chemical Society, 1990, 112, 5341-5342. | 13.7 | 50 |
| 21 | Cyclization of Arylacetoacetates to Indene and Dihydronaphthalene Derivatives in Strong Acids. Evidence for Involvement of Further Protonation of O,O-Diprotonated Î²-Ketoester, Leading to Enhancement of Cyclization. Journal of the American Chemical Society, 2010, 132, 807-815. | 13.7 | 50 |
| 22 | Reaction of diphenylmethyl cations in a strong acid. Participation of carbodications with positive charge substantially delocalized over the aromatic rings. Journal of the American Chemical Society, 1988, 110, 1862-1870. | 13.7 | 48 |
| 23 | The Hammett Acidity Function H0 of Trifluoromethanesulfonic Acid-Trifluoroacetic Acid and Related Acid Systems. A Versatile Nonaqueous Acid System.. Chemical and Pharmaceutical Bulletin, 1991, 39, 2718-2720. | 1.3 | 46 |
| 24 | Orbital distortion arising from remote substituents. Nitration, reduction, and epoxidation of fluorenes bearing a carbonyl or an olefin group in spiro geometry. Journal of the American Chemical Society, 1992, 114, 8818-8827. | 13.7 | 46 |
| 25 | On the planarity of amide nitrogen. Intrinsic pyramidal nitrogen of N-acyl-7-azabicyclo[2.2.1]heptanes. Tetrahedron Letters, 1998, 39, 865-868. | 1.4 | 46 |
| 26 | Theoretical Study of Reactivities in Electrophilic Aromatic Substitution Reactions:â€‰ Reactive Hybrid Orbital Analysis. Journal of Physical Chemistry A, 2003, 107, 2875-2881. | 2.5 | 44 |
| 27 | Generation and Application ofo-Quinone Methides Bearing Various Substituents on the Benzene Ring. Advanced Synthesis and Catalysis, 2007, 349, 669-679. | 4.3 | 43 |
| 28 | Water-Stable Helical Structure of Tertiary Amides of Bicyclic Î²-Amino Acid Bearing 7-Azabicyclo[2.2.1]heptane. Full Control of Amide Cisâ^'Trans Equilibrium by Bridgehead Substitution. Journal of the American Chemical Society, 2010, 132, 14780-14789. | 13.7 | 43 |
| 29 | Superacid-Catalyzed Intramolecular Cyclization Reaction of Arylcyanopropionate:GeminalSubstitution Effect on Superelectrophilicity. Journal of Organic Chemistry, 2008, 73, 4219-4224. | 3.2 | 42 |
| 30 | Visibleâ€Lightâ€Triggered Release of Nitric Oxide from Nâ€Pyramidal Nitrosamines. Chemistry - A European Journal, 2012, 18, 1127-1141. | 3.3 | 41 |
| 31 | Structureâ€“Activity Relationships of Lysophosphatidylserine Analogs as Agonists of G-Protein-Coupled Receptors GPR34, P2Y10, and GPR174. Journal of Medicinal Chemistry, 2015, 58, 4204-4219. | 6.4 | 41 |
| 32 | Dehydroabietic acid derivatives as a novel scaffold for large-Conductance calcium-Activated K+ channel openers. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 3971-3974. | 2.2 | 40 |
| 33 | Design, synthesis, and BK channel-opening activity of hexahydrodibenzazepinone derivatives. Bioorganic and Medicinal Chemistry, 2006, 14, 8014-8031. | 3.0 | 39 |
| 34 | Retro-Dielsâ^'Alder Reaction of 4H-1,2-Benzoxazines to Generate o-Quinone Methides:â€‰ Involvement of Highly Polarized Transition States. Journal of Organic Chemistry, 2007, 72, 10088-10095. | 3.2 | 38 |
| 35 | Reactions of O,O-diprotonated nitro olefins with benzenes. Formations of phenylacetones, 4H-1,2-benzoxazines and biarylacetone oximes. Tetrahedron, 1990, 46, 7539-7555. | 1.9 | 36 |
| 36 | Lysophosphatidylserine suppresses IL-2 production in CD4 T cells through LPS3/GPR174. Biochemical and Biophysical Research Communications, 2017, 494, 332-338. | 2.1 | 36 |

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| 37 | 4H-1,2-Benzoxazines with Electron-Withdrawing Substituents on the Benzene Ring:Â Synthesis and Application as Potent Intermediates for Oxygen-Functionalized Aromatic Compounds. Journal of the American Chemical Society, 2003, 125, 5282-5283. | 13.7 | 35 |
| 38 | Nonplanar Structures of Thioamides Derived from 7-Azabicyclo[2.2.1]heptane. Electronically Tunable Planarity of Thioamides. Journal of Organic Chemistry, 2008, 73, 9102-9108. | 3.2 | 35 |
| 39 | Transnitrosation of Thiols from AliphaticN-Nitrosamines:ÂS-Nitrosation and Indirect Generation of Nitric Oxide. Journal of the American Chemical Society, 2007, 129, 736-737. | 13.7 | 34 |
| 40 | Lysophosphatidylserine analogues differentially activate three LysoPS receptors. Journal of Biochemistry, 2015, 157, 151-160. | 1.7 | 34 |
| 41 | Structural Insight and Development of EGFR Tyrosine Kinase Inhibitors. Molecules, 2022, 27, 819. | 3.8 | 32 |
| 42 | Theoretical Revisit of Regioselectivities of Dielsâ^'Alder Reactions:Â Orbital-Based Reevaluation of Multicentered Reactivity in Terms of Reactive Hybrid Orbitals. Journal of Physical Chemistry A, 2005, 109, 816-824. | 2.5 | 31 |
| 43 | Oligomers of Î²-amino acid bearing non-planar amides form ordered structures. Tetrahedron, 2006, 62, 11635-11644. | 1.9 | 31 |
| 44 | Fluorogenic Ion Sensing System Working in Water, Based on Stimulus-Responsive Copolymers Incorporating a Polarity-Sensitive Fluorophore. Macromolecules, 2007, 40, 9651-9657. | 4.8 | 30 |
| 45 | Activation of Electrophilicity of Stable Y-Delocalized Carbamate Cations in Intramolecular Aromatic Substitution Reaction: Evidence for Formation of Diprotonated Carbamates Leading to Generation of Isocyanates. Journal of Organic Chemistry, 2012, 77, 9313-9328. | 3.2 | 30 |
| 46 | Design, synthesis, and characterization of BK channel openers based on oximation of abietane diterpene derivatives. Bioorganic and Medicinal Chemistry, 2010, 18, 8642-8659. | 3.0 | 29 |
| 47 | Molecular Mechanisms for Large Conductance Ca2+-Activated K+ Channel Activation by a Novel Opener, 12,14-Dichlorodehydroabietic Acid. Journal of Pharmacology and Experimental Therapeutics, 2006, 316, 144-153. | 2.5 | 28 |
| 48 | Robust trans-Amide Helical Structure of Oligomers of Bicyclic Mimics of Î²-Proline: Impact of Positional Switching of Bridgehead Substituent on Amide cisâ€“trans Equilibrium. Journal of Organic Chemistry, 2014, 79, 5287-5300. | 3.2 | 28 |
| 49 | Superacid-Catalyzed Electrocyclization of Diphenylmethyl Cations to Fluorenes. Kinetic and Theoretical Revisit Supporting the Involvement of Ethylene Dications. Journal of the American Chemical Society, 1998, 120, 4629-4637. | 13.7 | 27 |
| 50 | Formation of 4H-1,2-Benzoxazines by Intramolecular Cyclization of Nitroalkanes. Scope of Aromatic Oxygen-Functionalization Reaction Involving a Nitro Oxygen Atom and Mechanistic Insights. Journal of the American Chemical Society, 2007, 129, 1724-1732. | 13.7 | 27 |
| 51 | Exploiting a Câ€“N Bond Forming Cytochromeâ€…P450 Monooxygenase for Câ€“S Bond Formation. Angewandte Chemie - International Edition, 2020, 59, 3988-3993. | 13.8 | 27 |
| 52 | Reaction of Î²-nitrostyrenes with benzene catalyzed by trifluoromethanesulfonic acid. Formation and reaction of n,n-dihydroxyiminium-benzyl dications. Tetrahedron, 1987, 43, 297-305. | 1.9 | 26 |
| 53 | Base-Induced Transformation of 2-Acyl-3-alkyl-2H-azirines to Oxazoles: Involvement of Deprotonation-Initiated Pathways. Journal of Organic Chemistry, 2017, 82, 6313-6326. | 3.2 | 26 |
| 54 | Distortion of Olefin and Carbonyl .pi.-Orbitals in Dibenzobicyclo[2.2.2]octatrienes and Dibenzobicyclo[2.2.2]octadienones. Unsymmetrization of .pi. Lobes Arising from .pi.-.pi. Orbital Interactions. Journal of Organic Chemistry, 1994, 59, 3975-3984. | 3.2 | 25 |

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| 55 | Transnitrosylation Directs TRPA1 Selectivity in N-Nitrosamine Activators. Molecular Pharmacology, 2014, 85, 175-185. | 2.3 | 25 |
| 56 | Protonation Switching to the Leastâ€Basic Heteroatom of Carbamate through Cationic Hydrogen Bonding Promotes the Formation of Isocyanate Cations. Chemistry - A European Journal, 2014, 20, 8682-8690. | 3.3 | 25 |
| 57 | Nitric oxide-induced oxidative stress impairs pacemaker function of murine interstitial cells of Cajal during inflammation. Pharmacological Research, 2016, 111, 838-848. | 7.1 | 25 |
| 58 | Attenuated Desensitization of Î²-Adrenergic Receptor by Water-Soluble N-Nitrosamines That Induce S-Nitrosylation Without NO Release. Circulation Research, 2013, 112, 327-334. | 4.5 | 24 |
| 59 | Synthesis of Medium-Ring-Sized Benzolactams by Using Strong Electrophiles and Quantitative Evaluation of Ring-Size Dependency of the Cyclization Reaction Rate. Journal of Organic Chemistry, 2020, 85, 876-901. | 3.2 | 24 |
| 60 | Novel BK channel openers containing dehydroabietic acid skeleton: Structureâ€“activity relationship for peripheral substituents on ring C. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 5201-5205. | 2.2 | 23 |
| 61 | Pharmacokinetic parameters explain the therapeutic activity of antimicrobial agents in a silkworm infection model. Scientific Reports, 2018, 8, 1578. | 3.3 | 22 |
| 62 | Orbital Unsymmetrization Affects Facial Selectivities of Dielsâ^'Alder Dienophiles. Journal of Organic Chemistry, 1996, 61, 3155-3166. | 3.2 | 19 |
| 63 | Stereochemical evidence for stabilization of a nitrogen cation by neighboring chlorine or bromine. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4206-4211. | 7.1 | 19 |
| 64 | Conformational Constraint of the Glycerol Moiety of Lysophosphatidylserine Affords Compounds with Receptor Subtype Selectivity. Journal of Medicinal Chemistry, 2016, 59, 3750-3776. | 6.4 | 18 |
| 65 | Î±,Î±-Disubstituted Glycines Bearing a Large Hydrocarbon Ring: Peptide Self-Assembly through Hydrophobic Recognition. Chemistry - A European Journal, 2004, 10, 617-626. | 3.3 | 17 |
| 66 | Phospholipid localization implies microglial morphology and function via Cdc42 in vitro. Glia, 2017, 65, 740-755. | 4.9 | 17 |
| 67 | Probing the Hydrophobic Binding Pocket of G-Protein-Coupled Lysophosphatidylserine Receptor GPR34/LPS<sub>1</sub> by Docking-Aided Structureâ€“Activity Analysis. Journal of Medicinal Chemistry, 2017, 60, 6384-6399. | 6.4 | 17 |
| 68 | Acidâ€Promoted Chemoselective Introduction of Amide Functionality onto Aromatic Compounds Mediated by an Isocyanate Cation Generated from Carbamate. Chemistry - an Asian Journal, 2014, 9, 2995-3004. | 3.3 | 16 |
| 69 | 7-Azabicyclo[2.2.1]heptane as a structural motif to block mutagenicity of nitrosamines. Bioorganic and Medicinal Chemistry, 2011, 19, 2726-2741. | 3.0 | 15 |
| 70 | The synthesis and BK channel-opening activity of N- acylaminoalkyloxime derivatives of dehydroabietic acid. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 283-287. | 2.2 | 15 |
| 71 | Orbital Unsymmetrization of Olefins Arising from Non-equivalent Orbital Interactions. .SIGMA.-.PI. Coupling in Bicyclo(2.2.2)octenes.. Chemical and Pharmaceutical Bulletin, 1996, 44, 296-306. | 1.3 | 14 |
| 72 | Novel oxime and oxime ether derivatives of 12,14-dichlorodehydroabietic acid: Design, synthesis, and BK channel-opening activity. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 6386-6389. | 2.2 | 14 |

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| 73 | Enantiodivergent Deprotonation/Acylation of Î±â€Amino Nitriles. Angewandte Chemie - International Edition, 2013, 52, 12956-12960. | 13.8 | 14 |
| 74 | Hydrogen bonding to carbonyl oxygen of nitrogen-pyramidalized amide â€“ detection of pyramidalization direction preference by vibrational circular dichroism spectroscopy. Chemical Communications, 2016, 52, 4018-4021. | 4.1 | 14 |
| 75 | Application of C-Terminal 7-Azabicyclo[2.2.1]heptane to Stabilize Î²-Strand-like Extended Conformation of a Neighboring Î±-Amino Acid. Journal of Organic Chemistry, 2018, 83, 13063-13079. | 3.2 | 14 |
| 76 | Design, synthesis and characterization of podocarpate derivatives as openers of BK channels. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 5197-5200. | 2.2 | 13 |
| 77 | Theoretical study on the excited states of heteroarene chromophores: Comparison of calculated and experimental values. Chemical Physics Letters, 2009, 473, 196-200. | 2.6 | 13 |
| 78 | Contrasting C- and O-Atom Reactivities of Neutral Ketone and Enolate Forms of 3-Sulfonyloxyimino-2-methyl-1-phenyl-1-butanones. Journal of Organic Chemistry, 2018, 83, 203-219. | 3.2 | 13 |
| 79 | Facial selectivities of benzofluorenes bearing a carbonyl, an olefin, or a diene group in spiro geometry. Ï€ Spiro substituent effects. Tetrahedron Letters, 1998, 39, 403-406. | 1.4 | 12 |
| 80 | Dihedral angle-dependent orbital distortions arising from vicinal bonds in norbornene and 2-norbornanone. Tetrahedron, 1993, 49, 7649-7656. | 1.9 | 11 |
| 81 | Anchoring and bola cationic amphiphiles for nucleotide delivery. effects of orientation and extension of hydrophobic regions. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 2897-2901. | 2.2 | 11 |
| 82 | Revisiting secondary interactions in neighboring group participation, exemplified by reactivity changes of iminylium intermediates. Organic and Biomolecular Chemistry, 2017, 15, 1381-1392. | 2.8 | 11 |
| 83 | Synthesis of Heterocycle-Containing 9,9-Diarylfluorenes Using Superelectrophiles. Journal of Organic Chemistry, 2017, 82, 6044-6053. | 3.2 | 11 |
| 84 | Amide nitrogen pyramidalization changes lactam amide spinning. Nature Communications, 2019, 10, 461. | 12.8 | 11 |
| 85 | Non-naturally Occurring Regio Isomer of Lysophosphatidylserine Exhibits Potent Agonistic Activity toward G Protein-Coupled Receptors. Journal of Medicinal Chemistry, 2020, 63, 9990-10029. | 6.4 | 11 |
| 86 | A Cyclopropyl Group Shows Reverse Facial Selectivity Depending on the Bicyclic Ring System. Tetrahedron Letters, 1997, 38, 6693-6696. | 1.4 | 10 |
| 87 | Elucidation of the E-Amide Preference of N-Acyl Azoles. Journal of Organic Chemistry, 2017, 82, 11370-11382. | 3.2 | 10 |
| 88 | Uncovering the Networks of Topological Neighborhoods in Î²-Strand and Amyloid Î²-Sheet Structures. Scientific Reports, 2019, 9, 10737. | 3.3 | 10 |
| 89 | Orbital distortion arising from remote substituents nitration and reduction of spiro(cyclopenta-1,9'-fluorene)-2-ones.. Chemical and Pharmaceutical Bulletin, 1991, 39, 2176-2178. | 1.3 | 9 |
| 90 | Secondary structure of homo-thiopeptides based on a bridged Î²-proline analogue: preferred formation of extended strand structures with trans-thioamide bonds. Tetrahedron, 2012, 68, 4418-4428. | 1.9 | 9 |

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| 91 | Tandem buildup of complexity of aromatic molecules through multiple successive electrophile generation in one pot, controlled by varying the reaction temperature. Organic and Biomolecular Chemistry, 2016, 14, 1680-1693. | 2.8 | 9 |
| 92 | Use of Chargeâ€Charge Repulsion to Enhance Ïâ€Electron Delocalization into Antiâ€Aromatic and Aromatic Systems. Chemistry - A European Journal, 2017, 23, 2566-2570. | 3.3 | 9 |
| 93 | Molecular Dynamics Study of Nitrogen-Pyramidalized Bicyclic Î²-Proline Oligomers: Length-Dependent Convergence to Organized Structures. Journal of Physical Chemistry B, 2017, 121, 100-109. | 2.6 | 9 |
| 94 | Peptide-based short single Î²-strand mimics without hydrogen bonding or aggregation. Chemical Communications, 2020, 56, 1573-1576. | 4.1 | 9 |
| 95 | A remote substituent can determine magnitude of facial selectivity in benzobicyclo[2.2.2]octatrienes. Tetrahedron Letters, 1996, 37, 2609-2612. | 1.4 | 8 |
| 96 | Chemoselective generation of acyl phosphates, acylium ion equivalents, from carboxylic acids and an organophosphate ester in the presence of a BrÃ¸nsted acid. Chemical Communications, 2017, 53, 1482-1485. | 4.1 | 8 |
| 97 | Electrophilic activation of aminocarboxylic acid by phosphate ester promotes Friedelâ€“Crafts acylation by overcoming chargeâ€“charge repulsion. Organic and Biomolecular Chemistry, 2017, 15, 9398-9407. | 2.8 | 8 |
| 98 | Latent BrÃ¸nsted Base Solvent-Assisted Amide Formation from Amines and Acid Chlorides. Synthesis, 2018, 50, 2041-2057. | 2.3 | 8 |
| 99 | Deciphering Subtype-Selective Modulations in TRPA1 Biosensor Channels. Current Neuropharmacology, 2015, 13, 266-278. | 2.9 | 8 |
| 100 | Orbital distortion in dibenzobicyclo(2.2.2)octatrienes. Biased epoxidation and dihydroxylation of the olefin moiety.. Chemical and Pharmaceutical Bulletin, 1992, 40, 3349-3351. | 1.3 | 7 |
| 101 | Non-steric facial selectivity in nucleophilic 1,4-conjugate additions. Tetrahedron Letters, 1997, 38, 425-428. | 1.4 | 7 |
| 102 | Unexpected Resistance to Base-Catalyzed Hydrolysis of Nitrogen Pyramidal Amides Based on the 7-Azabicyclic[2.2.1]heptane Scaffold. Molecules, 2018, 23, 2363. | 3.8 | 7 |
| 103 | Facile synthesis of 2,3-benzodiazepines using one-pot two-step phosphate-assisted acylationâ€“hydrazine cyclization reactions. Organic and Biomolecular Chemistry, 2018, 16, 4013-4020. | 2.8 | 7 |
| 104 | Non-naturally Occurring Helical Molecules Can Interfere with p53â€“MDM2 and p53â€“MDMX Proteinâ€–Protein Interactions. Chemical and Pharmaceutical Bulletin, 2019, 67, 1139-1143. | 1.3 | 7 |
| 105 | Sequential Suzukiâ€“Miyaura Coupling/Lewis Acid-Catalyzed Cyclization: An Entry to Functionalized Cycloalkane-Fused Naphthalenes. Organic Letters, 2020, 22, 6267-6271. | 4.6 | 7 |
| 106 | Stereoselection of sterically unbiased Dielsâ€“Alder dienes with spiro conjugation. Tetrahedron Letters, 2001, 42, 5257-5260. | 1.4 | 6 |
| 107 | Space-filling effects in membrane disruption by cationic amphiphiles. Bioorganic and Medicinal Chemistry, 2001, 9, 1013-1024. | 3.0 | 5 |
| 108 | Screening quality for Ca2+-activated potassium channel in IonWorks Quattro is greatly improved by using BAPTA-AM and ionomycin. Journal of Pharmacological and Toxicological Methods, 2013, 67, 16-24. | 0.7 | 5 |

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| 109 | A simple and effective preparation of quercetin pentamethyl ether from quercetin. Beilstein Journal of Organic Chemistry, 2018, 14, 3112-3121. | 2.2 | 5 |
| 110 | Switching Lysophosphatidylserine G Protein-Coupled Receptor Agonists to Antagonists by Acylation of the Hydrophilic Serine Amine. Journal of Medicinal Chemistry, 2021, 64, 10059-10101. | 6.4 | 5 |
| 111 | Generation of Orbitals that Control Molecular Reactivity:Â Projected Reactive Orbital Approach. Journal of Physical Chemistry A, 2005, 109, 7642-7647. | 2.5 | 4 |
| 112 | Exploiting a Câ€“N Bond Forming Cytochromeâ€…P450 Monooxygenase for Câ€“S Bond Formation. Angewandte Chemie, 2020, 132, 4017-4022. | 2.0 | 4 |
| 113 | Membrane Phospholipid Analogues as Molecular Rulers to Probe the Position of the Hydrophobic Contact Point of Lysophospholipid Ligands on the Surface of G-Protein-Coupled Receptor during Membrane Approach. Biochemistry, 2020, 59, 1173-1201. | 2.5 | 4 |
| 114 | Contribution of Solvents to Geometrical Preference in the Z/E Equilibrium of N-Phenylthioacetamide. Journal of Organic Chemistry, 2021, , . | 3.2 | 4 |
| 115 | Rhodium and Palladium Complexes of N-Heterocyclic Olefin (NHO) Ligand Fused with the 9,10-Dihydro-9,10-ethanoanthracene Framework. Organometallics, 2021, 40, 3668-3677. | 2.3 | 4 |
| 116 | Substituted Ethylene Dications. Yakugaku Zasshi, 1989, 109, 1-11. | 0.2 | 3 |
| 117 | Orbitals Distortion of Carbonyl and Olefin Groups. Unsymmetrization of .PI. Lobes Arising from .PI.-.PI. Orbital Interactions.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1994, 52, 596-607. | 0.1 | 3 |
| 118 | Synthesis and BK channel-opening activity of novel N-acylhydrazone derivatives from dehydroabietic acid. Chinese Chemical Letters, 2013, 24, 1023-1026. | 9.0 | 3 |
| 119 | Synthesis, structure and Nâ€“N bonding character of 1,1-disubstituted indazolium hexafluorophosphate. Chemical Communications, 2018, 54, 1881-1884. | 4.1 | 3 |
| 120 | Conformational preference of bicyclic Î²â€•amino acid dipeptides. Chirality, 2020, 32, 790-807. | 2.6 | 3 |
| 121 | Anchoring Cationic Amphiphiles for Nucleotide Delivery Significance of DNA Release from Cationic Liposomes for Transfection. Biological and Pharmaceutical Bulletin, 2007, 30, 1117-1122. | 1.4 | 2 |
| 122 | Orbital Phase Environments and Stereoselectivities. Topics in Current Chemistry, 2009, 289, 129-181. | 4.0 | 2 |
| 123 | Overall Shape Constraint of Alternating Î±/Î²-Hybrid Peptides Containing Bicyclic Î²-Proline. Organic Letters, 2019, 21, 7813-7817. | 4.6 | 2 |
| 124 | Unexpectedly rigid short peptide foldamers in which NHâ€“Ï€ and CHâ€“Ï€ interactions are preserved in solution. Chemical Communications, 2021, 57, 8344-8347. | 4.1 | 2 |
| 125 | Building on endogenous lipid mediators to design synthetic receptor ligands. European Journal of Medicinal Chemistry, 2022, 231, 114154. | 5.5 | 1 |
| 126 | Steric Course of Deprotonation/Substitution of Chelating/Dipoleâ€“Stabilizingâ€“Groupâ€“Substituted Î±â€•Aminoâ€•and Î±â€•Oxynitriles. European Journal of Organic Chemistry, 2018, 2018, 4128-4134. | 2.4 | 0 |

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| 127 | Frontispiece: Exploiting a Câ€“N Bond Forming Cytochromeâ€…P450 Monooxygenase for Câ€“S Bond Formation. Angewandte Chemie - International Edition, 2020, 59, . | 13.8 | 0 |
| 128 | Frontispiz: Exploiting a Câ€“N Bond Forming Cytochromeâ€…P450 Monooxygenase for Câ€“S Bond Formation. Angewandte Chemie, 2020, 132, . | 2.0 | 0 |
| 129 | Lactam Amide Spinning. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2020, 78, 1006-1012. | 0.1 | 0 |