# Tatyana Tyumkina

## List of Publications by Year in descending order

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| 63 | 585 | 758635 | 839053 |
|---|---|---|---|
| papers | citations | 12 | 18 |
| | | h-index | g-index |

| 63 | 63 | 63 | 249 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Synthesis, Growth Regulating, and Fungicidal Activity of N-Carbamoyl-Substituted Benzamides. Russian Journal of General Chemistry, 2022, 92, 937-943. | 0.3 | 0 |
| 2 | Chain and cluster models of methylaluminoxane as activators of zirconocene hydride, alkyl and metallacyclopropane intermediates in alkene transformations. Molecular Catalysis, 2021, 512, 111768. | 1.0 | 6 |
| 3 | Structure and Conformational Analysis of 5,5-Bis(bromomethyl)-2-[4-(dimethylamino)phenyl]-1,3-dioxane. Russian Journal of Organic Chemistry, 2021, 57, 1268-1274. | 0.3 | 1 |
| 4 | Î±,Ï‰-Dienes in Cp2TiCl2-catalyzed synthesis of boriranes. Journal of Organometallic Chemistry, 2021, 950, 121981. | 0.8 | 4 |
| 5 | Structure and Conformational Analysis of 5,5-Bis(bromomethyl)-2,2-diphenyl-1,3-dioxane. Russian Journal of Organic Chemistry, 2020, 56, 1-6. | 0.3 | 8 |
| 6 | Cp2TiCl2-catalyzed borylation and hydroboration of Î±-olefins with dichloro(diisopropylamino)borane. Journal of Organometallic Chemistry, 2019, 898, 120858. | 0.8 | 6 |
| 7 | Structure and Conformational Analysis of 5,5-Bis(bromomethyl)-2-phenyl-1,3-dioxane. Russian Journal of General Chemistry, 2018, 88, 397-402. | 0.3 | 4 |
| 8 | Synthesis, molecular structure, conformation and biological activity of Ad-substituted N-aryl-tetraoxaspiroalkanes. Tetrahedron, 2018, 74, 1749-1758. | 1.0 | 22 |
| 9 | Self-association processes of substituted alumolanes in non-polar solvents. Journal of Organometallic Chemistry, 2018, 867, 170-182. | 0.8 | 3 |
| 10 | Alkene and Olefin Functionalization by Organoaluminum Compounds, Catalyzed with Zirconocenes: Mechanisms and Prospects. , 2018, , . | | 1 |
| 11 | Structure and Conformational Analysis of 5,5-Bis(bromomethyl)-2-(4-methoxyphenyl)-1,3-dioxane. Russian Journal of Organic Chemistry, 2018, 54, 1076-1079. | 0.3 | 4 |
| 12 | An original one-pot approach to boronic esters using the titanium-catalyzed reaction of cyclic olefins with alkyldichloroboranes. Journal of Organometallic Chemistry, 2018, 872, 8-11. | 0.8 | 2 |
| 13 | Mechanism of Cp<sub>2</sub>ZrCl<sub>2</sub>-Catalyzed Olefin Cycloalumination with AlEt<sub>3</sub>: Quantum Chemical Approach. Organometallics, 2018, 37, 2406-2418. | 1.1 | 10 |
| 14 | New boron reagents for cycloboration of Î±-olefins into boriranes under Cp2TiCl2 catalysis. Journal of Organometallic Chemistry, 2018, 873, 73-77. | 0.8 | 10 |
| 15 | Cp2TiCl2-catalyzed cycloboration of Î±-olefins with PhBCl2 in the synthesis of 2-alkyl(aryl,benzyl)-1-phenylboriranes. Journal of Organometallic Chemistry, 2017, 832, 12-17. | 0.8 | 18 |
| 16 | Mechanism of catalytic cycloboration of Î±-olefins with boron trichloride: the synthesis of hardly obtainable boriranes and the mechanistic DFT study of transmetalation of titanacyclopropane intermediates. Kinetics and Catalysis, 2017, 58, 549-555. | 0.3 | 6 |
| 17 | Reactions of bimetallic Zr,Al- hydride complexes with methylaluminoxane: NMR and DFT study. Journal of Organometallic Chemistry, 2017, 851, 30-39. | 0.8 | 15 |
| 18 | Oneâ€pot Modification of Terpene's Methylenecyclobutane Derivatives. Journal of Heterocyclic Chemistry, 2016, 53, 1750-1760. | 1.4 | 3 |

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|---|---|---|---|
| 19 | Cycloalumination of allylbenzenes with triethylaluminum in the presence of Cp2ZrCl2. One-pot synthesis of 2-benzylbutane-1,4-diols as precursors of dibenzylbutane lignans. Russian Journal of Organic Chemistry, 2016, 52, 1750-1755. | 0.3 | 3 |
| 20 | Zirconium-catalyzed alkene cycloalumination for the synthesis of substituted phosphines and their transition metal (Mo, Pd) complexes. Journal of Organometallic Chemistry, 2016, 824, 73-79. | 0.8 | 1 |
| 21 | Synthesis of 1-fluoro-2-alkylboriranes by the reaction of Î±-olefins with BF3Â·THF catalyzed by Cp2TiCl2. Russian Journal of General Chemistry, 2016, 86, 1438-1441. | 0.3 | 11 |
| 22 | Structure and conformations of 2â€substituted and 3â€substituted alumolanes in polar solvents: a direct NMR observation. Magnetic Resonance in Chemistry, 2016, 54, 62-74. | 1.1 | 11 |
| 23 | Mechanistic aspects of chemo- and regioselectivity in Cp2ZrCl2-catalyzed alkene cycloalumination by AlEt3. Journal of Organometallic Chemistry, 2016, 822, 135-143. | 0.8 | 10 |
| 24 | Synthesis and transformations of metallacycles 44. Cycloalumination of methylenecyclobutane terpene derivatives with Et3Al catalyzed by Cp2ZrCl2. Russian Chemical Bulletin, 2015, 64, 1581-1590. | 0.4 | 4 |
| 25 | Synthesis and transformations of metallacycles 46. Catalytic cycloalumination reaction in the synthesis of bis(phospholanes). Russian Chemical Bulletin, 2015, 64, 2493-2497. | 0.4 | 3 |
| 26 | Molecular structure and conformational preference of 2-methyl-5-nitro-5-bromo-1,3,2-dioxaborinane and its complex with pyridine. Journal of Structural Chemistry, 2015, 56, 1360-1366. | 0.3 | 1 |
| 27 | Stoichiometric C6-oxidation of hyaluronic acid by oxoammonium salt TEMPO + Cl â^' in an aqueous alkaline medium. Carbohydrate Polymers, 2015, 130, 69-76. | 5.1 | 8 |
| 28 | First example of borirane synthesis by Î±-olefins reaction with BCl3Â·SMe2 Catalyzed with (Î·5-C5H5)2TiCl2. Russian Journal of Organic Chemistry, 2015, 51, 1517-1523. | 0.3 | 12 |
| 29 | Catalytic enantioselective ethylalumination of terminal alkenes: substrate effects and absolute configuration assignment. Tetrahedron: Asymmetry, 2015, 26, 124-135. | 1.8 | 13 |
| 30 | Synthesis of tetrasubstituted furans by multicomponent reaction of alkynes with dichloro(ethyl)aluminum and carboxylic acid esters in the presence of Cp2TiCl2. Russian Journal of Organic Chemistry, 2015, 51, 1277-1281. | 0.3 | 7 |
| 31 | Partially oxidized potato starches from bromideâ€free <scp>TEMPO</scp>â€mediated reaction: characterization of monosaccharide composition. Starch/Staerke, 2014, 66, 444-449. | 1.1 | 3 |
| 32 | Synthesis of halogen-substituted borolanes and 2,3-dihydro-1H-boroles by reactions of aluminacarbocycles with boron trichloride and boron tribromide. Russian Journal of Organic Chemistry, 2014, 50, 309-313. | 0.3 | 10 |
| 33 | Conjugates of Polyguluronic and Polymannuronic Acids with 4-Aminoantipyrine. Determination Using 1Hâ€“13C HSQC Spectra of Triad Units and Their Distribution in the Polysaccharide Chain. Chemistry of Natural Compounds, 2014, 50, 220-224. | 0.2 | 0 |
| 34 | Asymmetric alkene cycloalumination by AlEt3, catalyzed with neomenthylindenyl zirconium Î·-complexes. Journal of Organometallic Chemistry, 2013, 723, 19-25. | 0.8 | 13 |
| 35 | Synthesis and transformations of metallacycles 43. One-pot synthesis of polycyclic 3-alkyl(phenyl)phospholane 3-oxides. Russian Chemical Bulletin, 2013, 62, 2467-2471. | 0.4 | 8 |
| 36 | Synthesis and separation of stereoisomeric 2,4,6,8-tetrasubstituted 3,7-dithia-1,5-diazabicyclo[3.3.0]octanes. Russian Chemical Bulletin, 2012, 61, 141-147. | 0.4 | 3 |

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|---|---|---|---|
| 37 | Synthesis and transformations of metallacycles 39. Zr-Catalyzed cyclomagnesiation of N-containing allenes. Russian Chemical Bulletin, 2012, 61, 158-164. | 0.4 | 7 |
| 38 | Synthesis and transformations of metallacycles 40. Catalytic cycloalumination in the synthesis of 3-substituted phospholanes. Russian Chemical Bulletin, 2012, 61, 1556-1559. | 0.4 | 15 |
| 39 | Novel 1,5,3-dithiazepanes: three-component synthesis, stereochemistry, and fungicidal activity. Russian Chemical Bulletin, 2012, 61, 2140-2148. | 0.4 | 18 |
| 40 | One-pot synthesis of borolanes by reaction of aluminacyclopentanes with BF3Â·Et2O. Russian Journal of Organic Chemistry, 2012, 48, 755-760. | 0.3 | 16 |
| 41 | Synthesis of substituted 2,3-dihydro-1H-boroles by transmetalation of aluminacyclopent-2-enes with BF3Â·Et2O. Russian Journal of Organic Chemistry, 2012, 48, 761-766. | 0.3 | 10 |
| 42 | Synthesis of conjugates of hyaluronic and nicotinic acids. Chemistry of Natural Compounds, 2012, 48, 189-193. | 0.2 | 1 |
| 43 | Cycloalumination of cycloalkynes with triethylaluminum catalyzed by zirconium complexes. Russian Journal of Organic Chemistry, 2012, 48, 1-7. | 0.3 | 6 |
| 44 | N,N,Nâ€²,Nâ€²-tetramethylmethanediamine, efficient reagent for thioles aminomethylation. Russian Journal of Organic Chemistry, 2012, 48, 175-179. | 0.3 | 14 |
| 45 | Synthesis of N-aryl-1,5,3-dithiazepanes and N-aryl-1,5,3-dithiazocanes in the presence of samarium- and cobalt-containing catalysts. Russian Journal of Organic Chemistry, 2012, 48, 588-593. | 0.3 | 27 |
| 46 | DFT and Ab Initio Study on Mechanism of Olefin Hydroalumination by XAlBui2in the Presence of Cp2ZrCl2Catalyst. II.(1) Olefin Interaction with Catalytically Active Centers. Organometallics, 2011, 30, 6078-6089. | 1.1 | 27 |
| 47 | A quantum chemical study of self-association of HAlBu 2 i and ClAlBu 2 i. Journal of Structural Chemistry, 2011, 52, 27-34. | 0.3 | 9 |
| 48 | Joint cycloalumination of ethylene and other unsaturated compounds with EtAlCl2 in the presence of Cp2ZrCl2. Synthesis of aluminacarbocycles. Russian Journal of Organic Chemistry, 2010, 46, 474-479. | 0.3 | 5 |
| 49 | Cyclothiomethylation of carboxylic acid hydrazides with aldehydes and H2S. Russian Chemical Bulletin, 2010, 59, 425-433. | 0.4 | 10 |
| 50 | Synthesis and transformations of metallacycles 36. Cycloalumination of macrocyclic diacetylenes with Et3Al catalyzed by Cp2ZrCl2. Russian Chemical Bulletin, 2010, 59, 1902-1908. | 0.4 | 9 |
| 51 | Enantioselectivity of chiral zirconocenes as catalysts in alkene hydro-, carbo- and cycloalumination reactions. Tetrahedron: Asymmetry, 2010, 21, 299-310. | 1.8 | 27 |
| 52 | PMR and 13C NMR spectra of biologically active compounds. XIII.* Structure and stereochemistry of a new phenylpropanoid glycoside isolated from Onopordum acanthium seeds. Chemistry of Natural Compounds, 2009, 45, 61-65. | 0.2 | 8 |
| 53 | Synthesis and transformations of metallacycles 35. Joint cycloalumination of cyclic 1,2-dienes with disubstituted acetylenes and terminal allenes under the action of EtAlCl2 catalyzed by Ti and Zr complexes. Russian Chemical Bulletin, 2009, 58, 2456-2464. | 0.4 | 8 |
| 54 | DFT Study on Mechanism of Olefin Hydroalumination by XAlBui2 in the Presence of Cp2ZrCl2 Catalyst. I. Simulation of Intermediate Formation in Reaction of HAlBui2 with Cp2ZrCl2. Organometallics, 2009, 28, 968-977. | 1.1 | 39 |

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|---|---|---|---|
| 55 | First example of one-pot synthesis of hydrocarbon macrorings. Russian Journal of Organic Chemistry, 2007, 43, 681-684. | 0.3 | 14 |
| 56 | Thiomethylation of amino alcohols using formaldehyde and hydrogen sulfide. Russian Journal of Organic Chemistry, 2007, 43, 918-925. | 0.3 | 12 |
| 57 | Cycloalumination of Î±,Ï‰-diolefins with EtAlCl2 catalyzed by zirconium complexes. Russian Journal of Organic Chemistry, 2007, 43, 961-965. | 0.3 | 6 |
| 58 | New method for the synthesis of (3R,7R)-hexahydrofarnesyl bromide based on the microwave-activated regioselective enolization of homochiral phytone. Russian Chemical Bulletin, 2007, 56, 2443-2447. | 0.4 | 2 |
| 59 | Chemical modification of heparin. Russian Journal of Bioorganic Chemistry, 2006, 32, 472-477. | 0.3 | 5 |
| 60 | Reactions of aminophenols with formaldehyde and hydrogen sulfide. Russian Chemical Bulletin, 2006, 55, 312-316. | 0.4 | 11 |
| 61 | Cyclothiomethylation of aryl hydrazines with formaldehyde and hydrogen sulfide. Russian Chemical Bulletin, 2006, 55, 1824-1834. | 0.4 | 8 |
| 62 | Multicomponent condensation of aliphatic amines with formaldehyde and hydrogen sulfide. Russian Chemical Bulletin, 2005, 54, 432-436. | 0.4 | 17 |
| 63 | Multicomponent heterocyclization of hydrazine, hydrogen sulfide, and formaldehyde. Russian Chemical Bulletin, 2004, 53, 1717-1721. | 0.4 | 10 |