

Bagrat A Shainyan

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283
papers

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27
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324
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ext. citations

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L-index

#	Paper	IF	Citations
283	Organofluorine chemistry: promising growth areas and challenges. <i>Russian Chemical Reviews</i> , 2019 , 88, 425-569	6.8	90
282	Trifluoromethanesulfonamides and related compounds. <i>Chemical Reviews</i> , 2013 , 113, 699-733	68.1	80
281	The Carbon-Nitrogen Triad Prototropic Tautomerism. <i>Russian Chemical Reviews</i> , 1979 , 48, 107-117	6.8	35
280	Conformational preferences of SiPh ₂ H and SiPh ₂ Me silacyclohexanes and 1,3-thiasilacyclohexanes. Additivity of conformational energies in 1,1-disubstituted heterocyclohexanes. <i>Tetrahedron</i> , 2012 , 68, 114-125	2.4	33
279	Formation of unexpected products in the attempted aziridination of styrene with trifluoromethanesulfonyl nitrene. <i>Tetrahedron</i> , 2010 , 66, 8383-8386	2.4	31
278	Cyclobutadiene dianion derivatives [Planar 4c,6e or three-dimensional 6c,6e aromaticity?]. <i>Computational and Theoretical Chemistry</i> , 2008 , 863, 117-122		30
277	Silacyclohexanes and silaheterocyclohexanes—why are they so different from other heterocyclohexanes?. <i>Tetrahedron</i> , 2013 , 69, 5927-5936	2.4	29
276	Oxidative addition of trifluoromethanesulfonamide to cycloalkadienes. <i>Tetrahedron</i> , 2013 , 69, 705-711	2.4	25
275	Conformational analysis of 3-methyl-3-silathiane and 3-fluoro-3-methyl-3-silathiane. <i>Journal of Physical Organic Chemistry</i> , 2011 , 24, 320-326	2.1	25
274	Relative energies, stereoelectronic interactions, and conformational interconversion in silacycloalkanes. <i>International Journal of Quantum Chemistry</i> , 2004 , 100, 720-732	2.1	24
273	Ionic liquids on the basis of 2,3,4,6,7,8,9,10-octahydropyrimido-[1,2-a]azepine (1,8-diazabicyclo[5.4.0]undec-7-ene). <i>Russian Journal of Organic Chemistry</i> , 2006 , 42, 1068-1074	0.7	23
272	1,3-Dimethyl-3-silapiperidine: synthesis, molecular structure, and conformational analysis by gas-phase electron diffraction, low temperature NMR, IR and Raman spectroscopy, and quantum chemical calculations. <i>Journal of Organic Chemistry</i> , 2013 , 78, 3939-47	4.2	21
271	Reaction of trifluoromethanesulfonamide with alkenes and cycloocta-1,5-diene under oxidative conditions. Direct assembly of 9-heterobicyclo[4.2.1]nonanes. <i>Russian Journal of Organic Chemistry</i> , 2011 , 47, 1271-1277	0.7	21
270	Push-pull vs captodative aromaticity. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 10895-903	2.8	21
269	Bifurcate hydrogen bonds. Interaction of intramolecularly H-bonded systems with Lewis bases. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 6227-34	2.8	21
268	The basicity of sulfonamides and carboxamides. Theoretical and experimental analysis and effect of fluorinated substituent. <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 738-747	2.1	20
267	Sila-Pummerer rearrangement of cyclic sulfoxides: computational study of the mechanism. <i>Journal of the American Chemical Society</i> , 2004 , 126, 11456-7	16.4	20

266	Assembling of 3,6-diazabicyclo[3.1.0]hexane framework in oxidative triflamidation of substituted buta-1,3-dienes. <i>Tetrahedron</i> , 2014 , 70, 8636-8641	2.4	19
265	Molecular structure and conformations of 1-phenyl-1-silacyclohexane from gas-phase electron diffraction and quantum chemical calculations. <i>Structural Chemistry</i> , 2014 , 25, 1677-1685	1.8	19
264	Novel design of 3,8-diazabicyclo[3.2.1]octane framework in oxidative sulfonamidation of 1,5-hexadiene. <i>Tetrahedron</i> , 2014 , 70, 4547-4551	2.4	19
263	Molecular structure and conformational analysis of 3-methyl-3-phenyl-3-silatetrahydropyran. Gas-phase electron diffraction, low temperature NMR and quantum chemical calculations. <i>Tetrahedron</i> , 2015 , 71, 3810-3818	2.4	18
262	Molecular Structure and Photoinduced Intramolecular Hydrogen Bonding in 2-Pyrrolylmethylidene Cycloalkanones. <i>Journal of Organic Chemistry</i> , 2015 , 80, 10521-35	4.2	18
261	Structure and intramolecular hydrogen bonds in Bis(trifluoromethylsulfonylamino)methane and N-[(trifluoromethylsulfonyl)aminomethyl]acetamide. <i>Russian Journal of General Chemistry</i> , 2006 , 76, 583-589	0.7	18
260	Computational study of tetrasilylcyclobutadiene dianion and its dilithium salt. 6eBc Three-dimensional aromaticity. <i>Computational and Theoretical Chemistry</i> , 2005 , 728, 1-5		18
259	Computational study of sulfoxides of thiacyclohexane, 4-silathiacyclohexane, 4-fluoro-4-silathiacyclohexane, and 4,4-difluoro-4-silathiacyclohexane: Relative energies of conformations and sulfinyl oxygen stabilized pentacoordinate silicon in boat and twist structures. <i>International Journal of Quantum Chemistry</i> , 2005 , 101, 46-54	2.1	18
258	Solvent interception, heterocyclization and desilylation upon NBS-induced sulfamidation of trimethyl(vinyl)silane. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 7927-7937	3.9	17
257	Computational study of 4-fluoro-4-chloro- and 4-fluoro-4-bromo-4-silathiacyclohexane S-oxides: Effect of halogen on the S=O π intramolecular coordination in the boat and twist conformers. <i>International Journal of Quantum Chemistry</i> , 2007 , 107, 189-199	2.1	17
256	Stereodynamics of 1-(methylsulfonyl)-3,5-bis(trifluoromethylsulfonyl)-1,3,5-triazinane: experimental and theoretical analysis. <i>Journal of Organic Chemistry</i> , 2006 , 71, 7638-42	4.2	17
255	Formation of a hydrogenation catalyst in the cobalt acetylacetonate-triethylaluminum system. <i>Kinetics and Catalysis</i> , 2006 , 47, 54-63	1.5	17
254	Formation of 2,6-diphenyl-1,4-bis(trifluoromethylsulfonyl)piperazine in the reaction of styrene with trifluoromethylsulfonylnitrene. <i>Russian Journal of Organic Chemistry</i> , 2011 , 47, 568-571	0.7	16
253	Cascade Transformations of Trifluoromethanesulfonamide in Reaction with Formaldehyde. <i>Russian Journal of Organic Chemistry</i> , 2005 , 41, 1381-1386	0.7	16
252	Identification of Active Sites for Oxygen Reduction Reaction on Nitrogen- and Sulfur-Codoped Carbon Catalysts. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 16065-16074	3.8	15
251	Oxidative addition of trifluoromethanesulfonamide to vinylcyclohexane and p-chlorostyrene. <i>Russian Journal of Organic Chemistry</i> , 2012 , 48, 918-923	0.7	15
250	Protonation and alkylation of organophosphorus compounds with trifluoromethanesulfonic acid derivatives. <i>Russian Journal of General Chemistry</i> , 2011 , 81, 474-480	0.7	15
249	Enol Forms of 1,3-Indanedione, Their Stabilization by Strong Hydrogen Bonding, and Zwitterion-Assisted Interconversion. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 2800-2811	3.2	15

- 248 Conformational analysis of 3,3-dimethyl-3-silathiane, 2,3,3-trimethyl-3-silathiane and 2-trimethylsilyl-3,3-dimethyl-3-silathiane—preferred conformers, barriers to ring inversion and substituent effects. *Journal of Physical Organic Chemistry*, **2010**, 23, 859-865 2.1 15
- 247 Self-association of N-methyltrifluoromethanesulfonamide in the gas phase and in inert solvents. *Russian Journal of General Chemistry*, **2004**, 74, 1538-1542 0.7 15
- 246 Relative energies, stereoelectronic interactions and conformational interconversions in silathiacyclohexanes. *Journal of Physical Organic Chemistry*, **2005**, 18, 35-48 2.1 15
- 245 Synthesis and Conformational Analysis of 3-Methyl-3-silatetrahydropyran by GED, FTIR, NMR, and Theoretical Calculations: Comparative Analysis of 1-Hetero-3-methyl-3-silacyclohexanes. *Journal of Organic Chemistry*, **2015**, 80, 12492-500 4.2 14
- 244 Carbenes and nitrenes. An overview. *Computational and Theoretical Chemistry*, **2013**, 1006, 52-61 2 14
- 243 The stereodynamics of 3,5-bis(trifluoromethylsulfonyl)-1,3,5-oxadiazinane and 1,3,5-tris(trifluoromethylsulfonyl)-1,3,5-triazinane—experimental and theoretical study. *Tetrahedron*, **2007**, 63, 11828-11837 2.4 14
- 242 Structure of bis(trifluoromethanesulfonyl)imide in inert and protophilic media. *Russian Journal of General Chemistry*, **2008**, 78, 2363-2373 0.7 14
- 241 IR Spectra of Trifluoromethanesulfonamide and Its Self-Associates in the Gas Phase. *Russian Journal of General Chemistry*, **2004**, 74, 582-585 0.7 14
- 240 Synthesis and relative stability of five- and six-membered S-functional derivatives of 1,3-thiasilacycloalkanes. *Journal of Organometallic Chemistry*, **2003**, 677, 73-79 2.3 14
- 239 Stereodynamics of 1,3,5-tris(trifluoromethylsulfonyl)-1,3,5-triazinane: experimental and theoretical analysis. *Tetrahedron Letters*, **2005**, 46, 6199-6201 2 14
- 238 Highly unsaturated trifluoromethanesulfonamide derivatives. *Russian Journal of Organic Chemistry*, **2015**, 51, 601-604 0.7 13
- 237 Oxidative addition of trifluoroacetamide to alkenes, 2,5-dimethylhexa-2,4-diene and conjugated cyclic dienes. *Tetrahedron*, **2015**, 71, 8669-8675 2.4 13
- 236 Structure and conformational analysis of silacyclohexanes and 1,3-silaheterocyclohexanes. *Tetrahedron*, **2016**, 72, 5027-5035 2.4 13
- 235 N-Propargyltrifluoromethanesulfonamide. *Russian Journal of Organic Chemistry*, **2014**, 50, 747-748 0.7 13
- 234 Simple methods for the preparation of N-triflyl guanidines and the structure of compounds with the CF₃SO₂NCN fragment. *Journal of Fluorine Chemistry*, **2012**, 135, 261-264 2.1 13
- 233 Synthesis and properties of N-(allyl)trifluoromethanesulfonamide. *Russian Journal of Organic Chemistry*, **2013**, 49, 922-923 0.7 13
- 232 N-allenyl-N-benzyltrifluoromethanesulfonamide. *Russian Journal of Organic Chemistry*, **2013**, 49, 1112-1116 1.6 13
- 231 Structure and conformational properties of 1,3,3-trimethyl-1,3-azasilinane: gas electron diffraction, dynamic NMR, and theoretical study. *Journal of Physical Chemistry A*, **2012**, 116, 784-9 2.8 13

230	Effects of methyl substitution in 4-silathiane S-oxides on the stereochemistry and 1 J CH coupling constants: Buttressing effect of axial sulfinyl group as the origin of the reverse Perlin effect. <i>Journal of Sulfur Chemistry</i> , 2006 , 27, 3-13	2.3	13
229	Catalytic Hydrogenation of Acetophenone with Hydrogen Transfer over Chiral Diamine Rhodium(I) Complexes. <i>Russian Journal of Organic Chemistry</i> , 2003 , 39, 1484-1488	0.7	13
228	Reactions of 1,2,3-Triazoles with Trifluoromethanesulfonyl Chloride and Trifluoromethanesulfonic Anhydride. <i>Russian Journal of Organic Chemistry</i> , 2003 , 39, 1517-1521	0.7	13
227	Relative energies of conformations and sulfinyl oxygen-induced pentacoordination at silicon in 4-bromo- and 4,4-dibromo-4-silathiacyclohexane 1-oxide: A computational study. <i>International Journal of Quantum Chemistry</i> , 2005 , 105, 313-324	2.1	13
226	The sila-Pummerer rearrangement of 3,3-dimethyl-3-silathiane S-oxide. <i>Tetrahedron Letters</i> , 1999 , 40, 185-188	2	13
225	Synthesis and conformational properties of 1,3-dimethyl-3-phenyl-1,3-azasilinane. Low temperature dynamic NMR and computational study. <i>Arkivoc</i> , 2012 , 2012, 175-185	0.9	13
224	Oxidative sulfamidation of vinyl silanes: A route to diverse silylated N-Heterocycles. <i>Tetrahedron</i> , 2019 , 75, 4531-4541	2.4	12
223	Conformations and Self-association of Trifluoro-N-(3-formylcyclohept-2-en-1-yl)methanesulfonamide. <i>Russian Journal of Organic Chemistry</i> , 2014 , 50, 337-341	0.7	12
222	N-Methyl-N-(2-phenylethenyl)trifluoromethanesulfonamide. <i>Russian Journal of Organic Chemistry</i> , 2012 , 48, 141-142	0.7	12
221	Intra- and intermolecular hydrogen bonds in pyrrolylindandione derivatives and their interaction with fluoride and acetate: possible anion sensing properties. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 11346-56	2.8	12
220	Oxidative addition/cycloaddition of arenesulfonamides and triflamide to N-allyltriflamide and N,N-diallyltriflamide. <i>RSC Advances</i> , 2017 , 7, 38951-38955	3.7	12
219	Sulfonyl nitrenes from different sources: computational study of formation and transformations. <i>Journal of Physical Organic Chemistry</i> , 2014 , 27, 156-162	2.1	12
218	4-Alkyl-2,2,6,6-tetramethyl-1,4,2,6-oxaazadisilinanones: synthesis, structure, and conformational analysis. <i>Journal of Physical Organic Chemistry</i> , 2010 , 23, 84-89	2.1	12
217	Diamines Having a C ₂ Symmetry. Synthesis and Application as Ligands in the Hydrogenation of Prochiral Substrates over Rhodium Complexes. <i>Russian Journal of Organic Chemistry</i> , 2002 , 38, 104-110	0.7	12
216	Computational study of conformations and of sulfinyl oxygen-induced pentacoordination at silicon in 4-chloro-4-silathiacyclohexane 1-oxide and 4,4-dichloro-4-silathiacyclohexane 1-oxide. <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 4103-4113	2.3	12
215	Exploring photochemistry of p-bromophenylsulfonyl, p-tolylsulfonyl and methylsulfonyl azides by ultrafast UV-pump-IR-probe spectroscopy and computations. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 8662-72	3.6	12
214	Bromination-dehydrobromination/debromination of N-Methyl-N-(2-phenylethenyl)trifluoromethanesulfonamide. <i>Russian Journal of Organic Chemistry</i> , 2013 , 49, 924-926	0.7	11
213	Synthesis and conformational analysis of 1,3-azasilinanes. <i>Tetrahedron</i> , 2012 , 68, 7494-7501	2.4	11

212	Unusual conformational preferences of 1,3-dimethyl-3-isopropoxy-3-silapiperidine. <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 1321-1327	2.1	11
211	2,5-diphenyl-1,4-(trifluoromethylsulfonyl)piperazine from N-(2-bromo-2-phenylethyl)trifluoromethanesulfonamide. <i>Russian Journal of Organic Chemistry</i> , 2010 , 46, 1743-1744	0.7	11
210	New C 2-symmetric optically active salen ligands and their cobalt(II) complexes. Hydridoborate reduction of prochiral C=O and C=C bonds. <i>Russian Journal of Organic Chemistry</i> , 2007 , 43, 1322-1329	0.7	11
209	N-Triflyl substituted 1,4-diheterocyclohexanes—steriodynamics and the Perlin effect. <i>Tetrahedron</i> , 2008 , 64, 5208-5216	2.4	11
208	A DFT Study of the Structure and Relative Stability of 1,3-Thiasilacycloalkanes and Their S-Functional Derivatives. <i>Russian Journal of General Chemistry</i> , 2003 , 73, 1709-1714	0.7	11
207	Self-Association of Trifluoromethanesulfonamide in Inert Solvents. <i>Russian Journal of General Chemistry</i> , 2005 , 75, 876-882	0.7	11
206	4,4-Dimethyl-1,4-thiasilinane and Its S-Functional Derivatives. <i>Russian Journal of General Chemistry</i> , 2005 , 75, 1234-1242	0.7	11
205	Heterocyclization and solvent interception upon oxidative triflamidation of allyl ethers, amines and silanes. <i>Tetrahedron</i> , 2020 , 76, 131374	2.4	11
204	Molecular structure and conformational behavior of 1-methyl-1-phenylsilacyclohexane studied by gas electron diffraction, IR spectroscopy and quantum chemical calculations. <i>Tetrahedron</i> , 2017 , 73, 1127-1134 ¹⁰	2.4	10
203	Molecular Structure, Intramolecular Hydrogen Bonding, Solvent-Induced Isomerization, and Tautomerism in Azolymethylidene Derivatives of 2-Indanone. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 1353-1364	3.2	10
202	Molecular Structure and Conformational Analysis of 1-Phenyl-1-X-1-Silacyclohexanes (X = F, Cl) by Electron Diffraction, Low-Temperature NMR, and Quantum Chemical Calculations. <i>Journal of Organic Chemistry</i> , 2017 , 82, 461-470	4.2	10
201	Molecular structure and conformational analysis of 3-methyl-3-silathiane by gas phase electron diffraction, FTIR spectroscopy and quantum chemical calculations. <i>Journal of Molecular Structure</i> , 2015 , 1100, 555-561	3.4	10
200	Apicophilicity versus Hydrogen Bonding. Intramolecular Coordination and Hydrogen Bonds in N-[(Hydroxydimethylsilyl)methyl]-N,N'-propyleneurea and Its Hydrochloride. DFT and FT-IR Study and QTAIM and NBO Analysis. <i>Organometallics</i> , 2014 , 33, 2641-2652	3.8	10
199	Conformational Preferences of the Phenyl Group in 1-Phenyl-1-X-1-silacyclo-hexanes (X = MeO, HO) and 3-Phenyl-3-X-3-silatetrahydropyrans (X = HO, H) by Low Temperature C NMR Spectroscopy and Theoretical Calculations. <i>Journal of Organic Chemistry</i> , 2017 , 82, 13414-13422	4.2	10
198	N,N'-(hexa-2,4-diyne-1,6-diyl)bis(trifluoromethanesulfonamide). <i>Russian Journal of Organic Chemistry</i> , 2014 , 50, 1835-1836	0.7	10
197	Unusual reaction of trifluoromethanesulfonamide with diallyl sulfide. <i>Russian Journal of Organic Chemistry</i> , 2013 , 49, 761-762	0.7	10
196	Intramolecular interactions in dimedone and phenalen-1,3-dione adducts of 2(4)-pyridinecarboxaldehyde: Enol–enol and ring-chain tautomerism, strong hydrogen bonding, zwitterions. <i>Journal of Molecular Structure</i> , 2011 , 1006, 234-246	3.4	10
195	Reactions of trifluoromethanesulfonamide with amides and paraformaldehyde. <i>Russian Journal of Organic Chemistry</i> , 2007 , 43, 793-800	0.7	10

194	Trifluoromethyl Sulfones and Perfluoroalkanesulfonamides of the Azole Series. <i>Russian Journal of Organic Chemistry</i> , 2004 , 40, 390-396	0.7	10
193	Trifluoromethanesulfonamide: X-ray single-crystal determination and quantum chemical calculations. <i>Journal of Physical Organic Chemistry</i> , 2015 , 28, 485-489	2.1	9
192	An efficient one-pot protocol for the synthesis of phenyl substituted 3-silatetrahydropyrans. <i>Tetrahedron</i> , 2015 , 71, 599-604	2.4	9
191	Single Si-Doped Graphene as a Catalyst in Oxygen Reduction Reactions: An In Silico Study. <i>ACS Omega</i> , 2020 , 5, 15268-15279	3.9	9
190	Oxidative addition of trifluoromethanesulfonamide to cycloocta-1,3-diene. Ring contraction rearrangement. <i>Russian Journal of Organic Chemistry</i> , 2014 , 50, 445-446	0.7	9
189	Experimental and theoretical investigation of self-association in inert environment of new triflamide derivatives. <i>Russian Journal of Organic Chemistry</i> , 2013 , 49, 1594-1599	0.7	9
188	Oxidative addition of trifluoromethanesulfonamide to cycloalkadienes. <i>Russian Journal of Organic Chemistry</i> , 2012 , 48, 1530-1535	0.7	9
187	Trifluoromethanesulfonate, trifluoromethylsulfonylimide, and bis(trifluoromethylsulfonyl)imide salts and ionic liquids based on 1,8-diazabicyclo[5.4.0]undec-7-ene and 1,5-diazabicyclo[4.3.0]non-5-ene. <i>Russian Journal of Organic Chemistry</i> , 2010 , 46, 383-388	0.7	9
186	Variable temperature NMR and theoretical study of the stereodynamics of 5-trifluoromethylsulfonyl-1,3,5-dioxazinane: Perlin effect subject to heteroatom substitution. <i>Tetrahedron</i> , 2008 , 64, 5379-5383	2.4	9
185	Energy of Formation of an Acyclic N-Methyltrifluoromethanesulfonamide Dimer. <i>Russian Journal of General Chemistry</i> , 2005 , 75, 268-271	0.7	9
184	Reaction of N-Sulfinyltrifluoromethanesulfonamide CF ₃ SO ₂ N=S=O with Carbonyl Compounds. <i>Russian Journal of Organic Chemistry</i> , 2005 , 41, 984-988	0.7	9
183	Trifluoromethanesulfonyl Azide as a Convenient Reagent for Synthesis of Triazoles. <i>Russian Journal of Organic Chemistry</i> , 2001 , 37, 1797-1798	0.7	9
182	A convenient synthesis and structure of N-trifluoromethylsulfonylamidines. <i>Tetrahedron</i> , 2015 , 71, 7906-7910	2.4	8
181	Oxidative cycloaddition of electron-deficient arenesulfonamides to hexa-1,5-diene. <i>Russian Journal of Organic Chemistry</i> , 2015 , 51, 888-892	0.7	8
180	Chlorotriflamidation of vinylsilanes with N,N-dichlorotriflamide. <i>Mendeleev Communications</i> , 2020 , 30, 117-118	1.9	8
179	Synthesis and conformational properties of substituted 1,4,2-oxazasilinanes: low temperature NMR study and quantum chemical calculations. <i>Tetrahedron</i> , 2012 , 68, 1097-1104	2.4	8
178	Transformations of diallylsilanes under the action of electrophilic reagents. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 420-426	2.3	8
177	Synthesis of acyclic and silyl sulfimides. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000 , 3140-3142		8

176	Stereochemistry and mechanism of oxidative 1,4-addition of trifluoroacetamide to 2,3-dimethylbuta-1,3-diene. <i>Mendeleev Communications</i> , 2017 , 27, 293-295	1.9	8
175	Reaction of trifluoromethanesulfonamide with heterodienes under oxidation conditions. <i>Russian Journal of Organic Chemistry</i> , 2013 , 49, 1567-1571	0.7	7
174	Conformational analysis of 4,4-dimethyl-1-(trifluoromethylsulfonyl)-1,4-azasilinane and 2,2,6,6-tetramethyl-4-(trifluoromethylsulfonyl)-1,4,2,6-oxazadisilane. <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 83-90	2.1	7
173	The structure and proton affinity of N-benzyl-N-(allenyl)trifluoromethanesulfonamide: FT-IR, DFT and ab initio study, NBO analysis. <i>Journal of Physical Organic Chemistry</i> , 2013 , 26, 653-658	2.1	7
172	Conformational analysis of 4,4-dimethyl-4-silathiane and its S-oxides. <i>Journal of Physical Organic Chemistry</i> , 2011 , 24, 1188-1192	2.1	7
171	Molecular Structure of Complexes with Bifurcated Hydrogen Bond: II. Theoretical Study of Solvate H-Complexes Formed by the Cyclic Dimer of N-Methyltrifluoromethanesulfonamide. <i>Russian Journal of Organic Chemistry</i> , 2004 , 40, 301-306	0.7	7
170	Enantioselective Hydrogenation over Chiral Cobalt Complexes with (+)-(1S,2S,5R)-Neomenthylidiphenylphosphine and (-)-(R,R)-2,2-Dimethyl-4,5-bis(diphenylphosphinomethyl)-1,3-dioxolane. <i>Russian Journal of Organic Chemistry</i> , 2004 , 40, 973-975	0.7	7
169	Vinyl sulfides 659-797		7
168	Synthesis, conformational preferences in gas and solution, and molecular gear rotation in 1-(dimethylamino)-1-phenyl-1-silacyclohexane by gas phase electron diffraction (GED), LT NMR and theoretical calculations. <i>Tetrahedron</i> , 2018 , 74, 4299-4307	2.4	7
167	X-ray, FTIR and DFT study of new iodine-containing derivatives of trifluoroacetamide. <i>Journal of Molecular Structure</i> , 2017 , 1141, 351-356	3.4	6
166	Synthesis of 3-fluoro-3-methyl-3-silatetrahydropyran and its conformational preferences in gas and solution by GED, NMR and theoretical calculations. <i>Tetrahedron</i> , 2018 , 74, 1859-1867	2.4	6
165	Photoinduced Intramolecular Bifurcate Hydrogen Bond: Unusual Mutual Influence of the Components. <i>Journal of Organic Chemistry</i> , 2017 , 82, 9075-9086	4.2	6
164	Synthesis, molecular structure, conformational analysis, and chemical properties of silicon-containing derivatives of quinolizidine. <i>Journal of Organic Chemistry</i> , 2012 , 77, 2382-8	4.2	6
163	Hydrogen-bonded complexes of sulfonamides and thioamides with DMF: FT-IR and DFT study, NBO analysis. <i>Journal of Physical Organic Chemistry</i> , 2013 , 26, 335-344	2.1	6
162	Synthesis and structure of N-(diaminomethylidene)- and N-[bis(cyclohexylamino)methylidene]trifluoromethanesulfonamides. <i>Russian Journal of Organic Chemistry</i> , 2011 , 47, 1278-1283	0.7	6
161	Conformational analysis of N-phenyl- and N-triflyl-4,4-dimethyl-4-silathiane 1-sulfimides. <i>Journal of Physical Organic Chemistry</i> , 2011 , 24, 698-704	2.1	6
160	Reaction of trifluoromethanesulfonyl chloride with CH acids. <i>Russian Journal of Organic Chemistry</i> , 2009 , 45, 1412-1413	0.7	6
159	Solvatochromism of heteroaromatic compounds: XXX. N-Methyltrifluoromethanesulfonamide as hydrogen-bond donor. <i>Russian Journal of General Chemistry</i> , 2007 , 77, 84-89	0.7	6

158	Crystal structures and theoretical calculations of trans-2,4,4-trimethyl-4-silathiane 1-oxide and 4,4-dimethyl-4-silathiane 1,1-dioxide. <i>Structural Chemistry</i> , 2008 , 19, 889-894	1.8	6
157	Effect of N-Silatranylmethyl Group on the Aromaticity of Pyrrole, Indole, and Carbazole. <i>Doklady Chemistry</i> , 2004 , 396, 127-131	0.8	6
156	Lithiation of 3,3-Dimethyl-3-silathiane as a Route to β -Substituted Six-Membered Cyclic Organosilicon Sulfides. <i>Russian Journal of General Chemistry</i> , 2003 , 73, 321-322	0.7	6
155	Plasma Deposition and Properties of Silicon Carbonitride Films. <i>Inorganic Materials</i> , 2005 , 41, 706-712	0.9	6
154	Oxidative sulfamidation as a route to N-heterocycles and unsaturated sulfonamides. <i>Pure and Applied Chemistry</i> , 2020 , 92, 123-149	2.1	6
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147	Unusual [2+2]-cycloaddition of carbodiimides to N-alkenylidenetriflamides. <i>Tetrahedron Letters</i> , 2016 , 57, 4440-4442	2	5
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