

Yuji Naruse

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Design of a new molecule that exhibits observable CD spectra under $\pi\text{-}\pi^*$ excitation: 2,6-Disilyl-2,6-disilasp[3.3]heptanes. Phosphorus, Sulfur and Silicon and the Related Elements, 2020, 195, 523-525.	1.6	0
2	Orbital theory for diastereoselectivity in electrophilic addition. Tetrahedron Letters, 2016, 57, 2029-2033.	1.4	2
3	Geminal bond participation is essential for the contradictory torquoselectivities in retro-Nazarov reactions. Tetrahedron Letters, 2015, 56, 3813-3815.	1.4	2
4	First observable CD spectra from $n\text{-}\pi^*$ excitation: TD-DFT calculation and determination of absolute configuration of 2,6-dithiaspiro[3.3]heptane 2,6-dioxide. Arkivoc, 2015, 2015, 151-160.	0.5	2
5	Design of a new axially chiral molecule by conformational fixation: 2,6-dithiaspiro[3.3]heptane 2,6-dioxide and its heavier analogues. Tetrahedron: Asymmetry, 2013, 24, 781-784.	1.8	4
6	Design of a new axially chiral molecule by conformational fixation: 2,6-diphospha- and 2,6-diaspiro[3.3]heptanes. Tetrahedron: Asymmetry, 2013, 24, 169-171.	1.8	5
7	Predominance of the Participation of the Geminal over Vicinal Bonds: Torquoselectivity of Retro-Nazarov Reactions. Organic Letters, 2012, 14, 3728-3731.	4.6	8
8	Geminal bond participation in Carroll rearrangement. Tetrahedron Letters, 2011, 52, 4456-4460.	1.4	4
9	Thermal [3,3]-rearrangement of 1,1-disubstituted allyl carboxylates: lone pair participation and the geminal bond participation. Tetrahedron, 2010, 66, 7035-7040.	1.9	5
10	Relaxation of Ring Strains. Topics in Current Chemistry, 2009, 289, 265-291.	4.0	15
11	Molecular Features of Neonicotinoid Pharmacophore Variants Interacting with the Insect Nicotinic Receptor. Chemical Research in Toxicology, 2009, 22, 476-482.	3.3	48
12	Insecticidal and neuroblocking potencies of variants of the thiazolidine moiety of thiacloprid and quantitative relationship study for the key neonicotinoid pharmacophore. Journal of Pesticide Sciences, 2008, 33, 58-66.	1.4	17
13	Participation of Geminal Bonds in Organic Reactions. Chemistry Letters, 2007, 36, 820-825.	1.3	12
14	Theoretical Design of Doubly Bonded Hypervalent Atoms. Organometallics, 2007, 26, 5543-5547.	2.3	2
15	Insecticidal and Neuroblocking Potencies of Variants of the Imidazolidine Moiety of Imidacloprid-Related Neonicotinoids and the Relationship to Partition Coefficient and Charge Density on the Pharmacophore. Journal of Agricultural and Food Chemistry, 2007, 55, 812-818.	5.2	55
16	Geminal bond participation in the uncatalyzed Mukaiyama aldol reaction. Tetrahedron Letters, 2007, 48, 817-820.	1.4	7
17	π -Relaxation of the ring strain: design of polycyclic unsaturated silicon molecules. Tetrahedron, 2006, 62, 4491-4497.	1.9	22
18	Geminal bond participation in Alder ene reaction. Tetrahedron Letters, 2005, 46, 6937-6940.	1.4	17

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19	An Orbital Phase Theory for the Torquoselectivity of the Ring-Opening Reactions of 3-Substituted Cyclobutenes: Geminal Bond Participation. <i>Journal of Organic Chemistry</i> , 2004, 69, 7246-7249.	3.2	36
20	Geminal bond participation and torquoselectivity in cheletropic reactions. <i>Tetrahedron Letters</i> , 2003, 44, 8509-8512.	1.4	14
21	1,2-Metallobridging and the Antiperiplanar Effect. Thermodynamic Preference for the <i>Z</i> -Configuration in Imidoyl(Alkali Metals) and their Phosphorus Analogs. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2003, 178, 2447-2456.	1.6	3
22	An Evaluation of Amide Group Planarity in 7-Azabicyclo[2.2.1]heptane Amides. Low Amide Bond Rotation Barrier in Solution. <i>Journal of the American Chemical Society</i> , 2003, 125, 15191-15199.	13.7	103
23	τ_f and τ_c Relaxation of Strain in Three-Membered Ring Molecules (CH ₂) ₂ X, (NH) ₂ X, and (SiH ₂) ₂ X (X = SiH ₂ ,) <i>J. Phys. Chem. B</i> , 2001, 105, 11431-11437.	1.0	14
24	Relaxation of ring strain by introduction of a double bond. <i>Tetrahedron Letters</i> , 2001, 42, 6553-6556.	1.4	42
25	Ethylation by Ethyl Ethers in the Presence of Organometallic Bases: Reactions of Hydrocycloalk[b]indoles. <i>Journal of Organic Chemistry</i> , 1999, 64, 639-640.	3.2	3
26	Geminal Bond Participation in the Cope Rearrangements of <i>Z</i> - and <i>E</i> -Substituted 1,5-Hexadienes and in the Reverse Reactions. <i>Chemistry Letters</i> , 1999, 28, 363-364.	1.3	21
27	Enantiomeric Enrichment of Allenedicarboxylates by a Chiral Organoeuropium Reagent. <i>Journal of Organic Chemistry</i> , 1997, 62, 3862-3866.	3.2	40