VicenÃ§ Branchadell

List of Publications by Year
in descending order

179 papers	5,142 citations	70961 41 h-index	143772 57 g-index
194 all docs	194 docs citations	194 times ranked	3852 citing authors

#	ARTICLE	IF	CITATIONS
1	Potential Energy Surfaces of the Gas-Phase SN2 Reactions X- + CH3X = XCH3 + X- (X = F, Cl, Br, I): A Comparative Study by Density Functional Theory and ab Initio Methods. Journal of the American Chemical Society, 1994, 116, 10645-10656.	6.6	159
2	Atomic reference energies for density functional calculations. Chemical Physics Letters, 1997, 265, 481-489.	1.2	154
3	Theoretical Study of M+â^'CO2and OM+CO Systems for First Transition Row Metal Atoms. Journal of Physical Chemistry A, 1997, 101, 7854-7859.	1.1	112
4	Coordination of Cu+Ions to Zeolite Frameworks Strongly Enhances Their Ability To Bind NO2. An ab Initio Density Functional Study. Journal of the American Chemical Society, 1998, 120, 1545-1551.	6.6	109
5	Adsorption of NH3and H2O in Acidic Chabazite. Comparison of ONIOM Approach with Periodic Calculations. Journal of Physical Chemistry B, 2005, 109, 3539-3545.	1.2	96
6	Can Cu+-Exchanged Zeolites Store Molecular Hydrogen? An Ab-Initio Periodic Study Compared with Low-Temperature FTIR. Journal of Physical Chemistry B, 2004, 108, 8278-8286.	1.2	91
7	Base-Catalyzed Anti-Markovnikov Hydroamination of Vinylarenes â€“ Scope, Limitations and Computational Studies. European Journal of Organic Chemistry, 2007, 2007, 3311-3325.	1.2	84
8	Self-Assembly of a Cyclobutane Î²-Tetrapeptide To Form Nanosized Structures. Organic Letters, 2007, 9, 3643-3645.	2.4	81
9	A Fairly Stable Crystalline Silanone. Angewandte Chemie - International Edition, 2017, 56, 10481-10485.	7.2	79
10	Mutual Relationship between Stacking and Hydrogen Bonding in DNA. Theoretical Study of Guanineâ^'Cytosine, Guanineâ^'5-methylcytosine, and Their Dimers. Journal of Physical Chemistry B, 2010, 114, 10217-10227.	1.2	74
11	A Fairly Stable Crystalline Silanone. Angewandte Chemie, 2017, 129, 10617-10621.	1.6	71
12	A Baseâ€Stabilized Silaâ€Î²â€Lactone and a Donor/Acceptorâ€Stabilized Silanoic Acid. Angewandte Chemie - International Edition, 2013, 52, 8980-8983.	7.2	66
13	Enantioselective synthetic approaches to cyclopropane and cyclobutane Î²-amino acids: synthesis and structural study of a conformationally constrained Î²-dipeptide. Tetrahedron: Asymmetry, 2000, 11, 3569-3584.	1.8	63
14	Divergent Routes to Chiral Cyclobutane Synthons from (â^')-Î±-Pinene and Their Use in the Stereoselective Synthesis of Dehydro Amino Acids. Journal of Organic Chemistry, 2000, 65, 3934-3940.	1.7	62
15	Cyclic (Amino)(Phosphonium Boraâ€Ylide)Silanone: A Remarkable Roomâ€Temperatureâ€Persistent Silanone. Angewandte Chemie - International Edition, 2017, 56, 15916-15920.	7.2	62
16	Density functional study of the Feâ€“CO bond dissociation energies of Fe(CO)5. Journal of Chemical Physics, 1999, 110, 778-783.	1.2	61
17	Silacyclopropylideneplatinum(0) Complex as a Robust and Efficient Hydrosilylation Catalyst. Inorganic Chemistry, 2016, 55, 8234-8240.	1.9	61
18	Cyclic Amino(Ylide) Silylene: A Stable Heterocyclic Silylene with Strongly Electronâ€Donating Character. Angewandte Chemie - International Edition, 2016, 55, 16141-16144.	7.2	60

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19	Folding and self-assembling with Î²-oligomers based on (1R,2S)-2-aminocyclobutane-1-carboxylic acid. Organic and Biomolecular Chemistry, 2010, 8, 564-575.	1.5	59
20	Highly Efficient Pyridylpyrazole Ligands for the Heck Reaction. A Combined Experimental and Computational Study. Organometallics, 2008, 27, 1084-1091.	1.1	57
21	Cyclic (Amino)(Phosphonium Boraâ€Ylide)Silanone: A Remarkable Roomâ€Temperatureâ€Persistent Silanone. Angewandte Chemie, 2017, 129, 16132-16136.	1.6	57
22	A Theoretical Study of the Endo/Exo Selectivity of the Dielsâ^'Alder Reaction between Cyclopropene and Butadiene. Journal of the American Chemical Society, 1997, 119, 4232-4238.	6.6	55
23	CH/Ï€ Interactions in DNA and Proteins. A Theoretical Study. Journal of Physical Chemistry B, 2007, 111, 9372-9379.	1.2	55
24	Metalâ^'Phosphorus Bonding in Fe(CO)4PR3Complexes. A Density Functional Study. Organometallics, 1997, 16, 5556-5562.	1.1	54
25	(+)- and (â^')-2-Aminocyclobutane-1-carboxylic Acids and Their Incorporation into Highly Rigid Î²-Peptides:Â Stereoselective Synthesis and a Structural Study. Journal of Organic Chemistry, 2005, 70, 7963-7971.	1.7	54
26	Mechanism of Olefin Cyclopropanation by Diazomethane Catalyzed by Palladium Dicarboxylates. A Density Functional Study. Journal of the American Chemical Society, 2001, 123, 6157-6163.	6.6	53
27	Electron hole formation in acidic zeolite catalysts. Journal of Chemical Physics, 2004, 121, 6034-6041.	1.2	49
28	The Lightest Element Phosphoranylidene: NHCâ€Supported Cyclic Borylideneâ€“Phosphorane with Significant B=P Character. Angewandte Chemie - International Edition, 2017, 56, 4814-4818.	7.2	49
29	Diastereofacial selectivity in uncatalyzed Diels-Alder cycloadditions involving Î±,Î²-unsaturated esters and lactones with stereogenic centers containing oxygen functiionalities. Tetrahedron, 1992, 48, 2659-2680.	1.0	48
30	Density Functional Study on the Regioselectivity of Nucleophilic Attack in 1,3-Disubstituted (Diphosphino)(Î·3-allyl)palladium Cations. Organometallics, 1999, 18, 4934-4941.	1.1	48
31	Density Functional Study of Complexes between Lewis Acids and Bases. The Journal of Physical Chemistry, 1995, 99, 6472-6476.	2.9	47
32	Effect of Lewis Acid Catalysis on the Dielsâ^'Alder Reaction between Methyl (Z)-(S)-4,5-(2,2-Propylidenedioxy)pent-2-enoate and Cyclopentadiene. A Theoretical Study. Journal of Organic Chemistry, 1997, 62, 3049-3054.	1.7	47
33	An Analysis of the Different Behavior of DNA and RNA through the Study of the Mutual Relationship between Stacking and Hydrogen Bonding. Journal of Physical Chemistry B, 2009, 113, 4907-4914.	1.2	47
34	Prevalence of Eight-Membered Hydrogen-Bonded Rings in Some Bis(cyclobutane) Î²-Dipeptides Including Residues with Trans Stereochemistry. Organic Letters, 2009, 11, 2301-2304.	2.4	47
35	Selfâ€Assembly of Chiral transâ€Cyclobutaneâ€Containing Î²â€Dipeptides into Ordered Aggregates. Chemistry - A European Journal, 2011, 17, 4588-4597.	1.7	47
36	Comparison of density functional and coupled cluster methods in the study of metalâ€“ligand systems: Scâ€“CO2 and Cuâ€“NO2. Journal of Chemical Physics, 1996, 105, 9966-9971.	1.2	46

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37	Ketoâ^'Enol Isomerization of Acetaldehyde in HZSM5. A Theoretical Study Using the ONIOM2 Method. Journal of Physical Chemistry B, 2002, 106, 10220-10226.	1.2	46
38	14-Helical Folding in a Cyclobutane-Containing Î²-Tetrapeptide. Journal of Organic Chemistry, 2004, 69, 5093-5099.	1.7	46
39	Theoretical Study on the Mechanism of Iron Carbonyls Mediated Isomerization of Allylic Alcohols to Saturated Carbonyls. Chemistry - A European Journal, 2003, 9, 2062-2067.	1.7	45
40	Reaction betweenN-Alkylhydroxylamines and Chiral Enoate Esters:Â More Experimental Evidence for a Cycloaddition-like Process, a Rationale Based on DFT Theoretical Calculations, and Stereoselective Synthesis of New Enantiopure Î²-Amino Acids. Journal of Organic Chemistry, 2002, 67, 2402-2410.	1.7	43
41	Synthesis of a Mixed Phosphoniumâ€“Sulfonium Bisylide R₃Pï£¾Cï£¾SR₂. Angewandte Chemie - International Edition, 2007, 46, 9078-9080.	7.2	42
42	Exceptionally Strong Electronâ€Donating Ability of Boraâ€Ylide Substituent visâ€Ââ€vis Silylene and Silylium Ion. Angewandte Chemie - International Edition, 2017, 56, 10549-10554.	7.2	42
43	On the Bonding in Sc-CO2. The Journal of Physical Chemistry, 1995, 99, 8567-8571.	2.9	41
44	A Biradical Mechanism in the Dielsâ^'Alder Reactions of 5-Methylene-2(5H)-furanones:Â Experimental Evidence and Theoretical Rationalization. Journal of the American Chemical Society, 1997, 119, 9992-10003.	6.6	41
45	Theoretical Study of the Photochemical [2 + 2]-Cycloadditions of Cyclic and Acyclic Î±,Î²-Unsaturated Carbonyl Compounds to Ethylene. Journal of Organic Chemistry, 2002, 67, 6070-6077.	1.7	40
46	Density functional study of Diels-Alder reactions between cyclopentadiene and substituted derivatives of ethylene. International Journal of Quantum Chemistry, 1997, 61, 381-388.	1.0	39
47	Borylated Methylenephosphonium Salts: Precursors of Elusive Boryl(phosphino)carbenes. Journal of the American Chemical Society, 2010, 132, 8864-8865.	6.6	39
48	Cyclopropanation of Cyclohexenone by Diazomethane Catalyzed by Palladium Diacetate:Â Evidence for the Formation of Palladium(0) Nanoparticles. Organometallics, 2007, 26, 3306-3314.	1.1	38
49	A Stable Monomeric SiO₂ Complex with Donorâ€“Acceptor Ligands. Angewandte Chemie - International Edition, 2017, 56, 3935-3939.	7.2	38
50	Complexes between formaldehyde and boron trihalides. An ab initio study. Journal of the American Chemical Society, 1991, 113, 4132-4136.	6.6	37
51	Diels-Alder cycloadditions of electron-rich, electron-deficient, and push-pull dienes with cyclic dienophiles: high-pressure-induced reactions and theoretical calculations. Journal of Organic Chemistry, 1991, 56, 4135-4141.	1.7	37
52	Intra- and Intermolecular 1,3-Dipolar Cycloaddition of Sugar Ketonitrones with Mono-, Di-, and Trisubstituted Dipolarophiles. Journal of Organic Chemistry, 2003, 68, 4772-4783.	1.7	37
53	Cyclic Amino(Ylide) Silylene: A Stable Heterocyclic Silylene with Strongly Electronâ€Donating Character. Angewandte Chemie, 2016, 128, 16375-16378.	1.6	37
54	Donor-Stabilized Silacyclobutanone: A Precursor of 1-Silaketene via Retro-[2 + 2]-Cycloaddition Reaction at Room Temperature. Journal of the American Chemical Society, 2016, 138, 2965-2968.	6.6	36

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55	1,3-Dipolar Cycloadditions of Diazomethane to Chiral Electron-Deficient Olefins:Â The Origin of the Ï€-Facial Diastereoselection. Journal of Organic Chemistry, 2000, 65, 388-396.	1.7	35
56	On the Bonding of First-Row Transition Metal Cations to Guanine and Adenine Nucleobases. Journal of Physical Chemistry A, 2007, 111, 9823-9829.	1.1	34
57	Activation of CO₂ and SO₂ by Boryl(phosphino)carbenes. Angewandte Chemie - International Edition, 2012, 51, 2489-2491.	7.2	33
58	The Lightest Element Phosphoranylidene: NHCâ€Supported Cyclic Borylideneâ€“Phosphorane with Significant B=P Character. Angewandte Chemie, 2017, 129, 4892-4896.	1.6	33
59	From Allylic Alcohols to Aldols by Using Iron Carbonyls as Catalysts: Computational Study on a Novel Tandem Isomerization-Aldolization Reaction. Chemistry - A European Journal, 2004, 10, 5795-5803.	1.7	32
60	Low-molecular-weight gelators consisting of hybrid cyclobutane-based peptides. Organic and Biomolecular Chemistry, 2013, 11, 2839.	1.5	32
61	The T13(Ï€â^Ï€*)/S0Intersections and Triplet Lifetimes of Cyclic Î±,Î²-Enones. Journal of Organic Chemistry, 2001, 66, 8811-8814.	1.7	31
62	Quantum-Mechanical Study on the Mechanism of Peptide Bond Formation in the Ribosome. Journal of the American Chemical Society, 2012, 134, 5817-5831.	6.6	31
63	5-Methylene-2(5H)-furanone as a dienophile in Diels-Alder cycloadditions: site-selectivity and regioselectivity. Journal of Organic Chemistry, 1990, 55, 3060-3063.	1.7	30
64	Spin-forbidden N2O dissociation in Cuâ€“ZSM-5. Chemical Physics Letters, 2003, 368, 242-246.	1.2	30
65	HFI and DFT study of the bonding in complexes of halogen and interhalogen diatomics with Lewis base. Computational and Theoretical Chemistry, 2006, 760, 175-182.	1.5	30
66	Secondary Structure of Short Î²-Peptides as the Chiral Expression of Monomeric Building Units: A Rational and Predictive Model. Journal of Organic Chemistry, 2012, 77, 9795-9806.	1.7	30
67	Theoretical Study on the Mechanism of the [2 + 1] Thermal Cycloaddition between Alkenes and Stable Singlet (Phosphino)(silyl)carbenes. Journal of Organic Chemistry, 2007, 72, 357-366.	1.7	29
68	An Isolable Mixed P,Sâ€Bis(ylide) as an Asymmetric Carbon Atom Source. Angewandte Chemie - International Edition, 2010, 49, 6798-6801.	7.2	29
69	Donor/Acceptorâ€Stabilized 1â€Silaketene: Reversible [2+2] Cycloaddition with Pyridine and Evolution by an Olefin Metathesis Reaction. Chemistry - A European Journal, 2016, 22, 10247-10253.	1.7	29
70	Controlling Ï€-Facial Diastereoselectivity in the 1,3-Dipolar Cycloadditions of Diazomethane to Chiral Pentenoates and Furanones:Â Enantioselective Stereodivergent Syntheses of Cyclopropane Hydroxy Acids and Didehydro Amino Acids. Journal of Organic Chemistry, 1998, 63, 3581-3589.	1.7	28
71	Theoretical Study on the Regioselectivity of Nucleophilic Attack in Silyl-Substituted (Diphosphino)(Î·3-allyl)palladium Cations. Organometallics, 2002, 21, 2407-2412.	1.1	28
72	How the Intercalation of Phenanthroline Affects the Structure, Energetics, and Bond Properties of DNA Base Pairs: Theoretical Study Applied to Adenineâ€“Thymine and Guanineâ€“Cytosine Tetramers. Journal of Chemical Theory and Computation, 2015, 11, 2714-2728.	2.3	28

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73	Theoretical Study of the Mechanism of the Addition of Diazomethane to Ethylene and Formaldehyde. Comparison of Conventional ab Initio and Density Functional Methods. Journal of Physical Chemistry A, 1998, 102, 10106-10112.	1.1	27
74	Prediction of pKa Values of nido-Carboranes by Density Functional Theory Methods. Inorganic Chemistry, 2006, 45, 7947-7954.	1.9	27
75	Synthesis and Characterization of Metallomacrocyclic Palladium(II) Complexes with New Hybrid Pyrazole Ligands. Diffusion NMR Studies and Theoretical Calculations. Inorganic Chemistry, 2008, 47, 11084-11094.	1.9	27
76	Donorâ€Stabilized Silylene/Phosphineâ€Supported Carbon(0) Center with High Electron Density. Angewandte Chemie - International Edition, 2017, 56, 6891-6895.	7.2	27
77	The Lewis acidity scale of boron trihalides. Computational and Theoretical Chemistry, 1991, 236, 75-84.	1.5	26
78	Ab Initio Study ofEndo/Exoand Diastereofacial Selectivities in Dielsâ^'Alder Reactions between Chiral Butenolides and Cyclopentadiene. Journal of Organic Chemistry, 1996, 61, 621-626.	1.7	26
79	Energy analysis of the chemical bond in group IV and V complexes: A density functional theory study. International Journal of Quantum Chemistry, 2005, 101, 869-877.	1.0	26
80	Reversible Dimerization of Phosphineâ€Stabilized Silylenes by Silylene Insertion into Si^{II}â€“H and Si^{II}â€“Cl Ïƒâ€Bonds at Room Temperature. Angewandte Chemie - International Edition, 2015, 54, 15276-15279.	7.2	26
81	Mechanism and site selectivity in the Diels-Alder reaction between protoanemonin and butadiene. A theoretical study. Journal of Organic Chemistry, 1991, 56, 2190-2193.	1.7	25
82	Theoretical Study of the Structure of ZCu(NO2)(NO). A Proposed Intermediate in the NOx Decomposition by Cuâ^'ZSM-5. Journal of Physical Chemistry A, 2000, 104, 3225-3230.	1.1	25
83	On the NO Decomposition by Cuâ^'ZSM-5 through the ZCu(NO2)(NO) or ZCu(N2O3) Intermediates. Journal of Physical Chemistry B, 2002, 106, 1372-1379.	1.2	25
84	Variable behaviour of flexible N,O-mixed pyrazole ligand towards Zn(ii), Cd(ii) and Hg(ii) ions. Synthesis, crystal structure and fluorescent properties. CrystEngComm, 2011, 13, 6457.	1.3	25
85	Stereoselectivity of Proline/Cyclobutane Amino Acid-Containing Peptide Organocatalysts for Asymmetric Aldol Additions: A Rationale. Journal of Organic Chemistry, 2018, 83, 350-363.	1.7	25
86	Reactions of a Stable (Phosphanyl)(silyl)carbene with Aliphatic Aldehydes: [2+1] versus [2+2] Addition to a Carbonyl Group. European Journal of Organic Chemistry, 2003, 2003, 3147-3152.	1.2	24
87	Stereoselective Synthesis of Phosphoranyl Aryloxiranes through the Addition of a Nucleophilic Stable Carbene to Aromatic Aldehydes. Journal of Organic Chemistry, 2003, 68, 7707-7710.	1.7	24
88	Exceptionally Strong Electronâ€Donating Ability of Boraâ€Ylide Substituent visâ€Ãâ€vis Silylene and Silylium Ion. Angewandte Chemie, 2017, 129, 10685-10690.	1.6	24
89	Nature and Strength of Metalâ^'Chalcogen Multiple Bonds in High Oxidation State Complexes. Inorganic Chemistry, 1998, 37, 1744-1748.	1.9	23
90	Synthesis and structural study of novel dimethylcyclobutyl Î²-peptides. Tetrahedron, 2009, 65, 5669-5675.	1.0	23

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91	A theoretical study of methylation and CH/Ï€ interactions in DNA intercalation: methylated 1,10-phenanthroline in adenineâ€“thymine base pairs. RSC Advances, 2016, 6, 85891-85902.	1.7	23
92	A Stable Monomeric SiO₂ Complex with Donorâ€“Acceptor Ligands. Angewandte Chemie, 2017, 129, 3993-3997.	1.6	23
93	Complexes between formaldehyde and titanium tetrachloride. An ab initio study. Journal of the American Chemical Society, 1992, 114, 4357-4364.	6.6	22
94	Theoretical study of the bonding of NO2 to Cu and Ag. Journal of Chemical Physics, 1995, 103, 9738-9743.	1.2	21
95	Stereoselective Synthesis of Novel Types of Cyclopropyl Carbocyclic Nucleosides Containing Quaternary Stereogenic Centers. Journal of Organic Chemistry, 2002, 67, 4520-4525.	1.7	20
96	Regioselective formation of N-alkyl-3,5-pyrazole derived ligands. A synthetic and computational study. Tetrahedron, 2005, 61, 12377-12385.	1.0	20
97	Reversible CO₂ Addition to a Si=O Bond and Synthesis of a Persistent SiO₂â€“CO₂ Cycloadduct Stabilized by a Lewis Donorâ€“Acceptor Ligand. Angewandte Chemie - International Edition, 2018, 57, 2635-2638.	7.2	20
98	A Stable Nâ€Hetero â€Rh â€Metallacyclic Silylene. Angewandte Chemie - International Edition, 2019, 58, 10310-10314.	7.2	20
99	Photolysis of Chiral 1-Pyrazolines to Cyclopropanes:Â Mechanism and Stereospecificity. Journal of Organic Chemistry, 2003, 68, 4906-4911.	1.7	19
100	Synthesis and Characterization of a Stable Cyclic gem-Bis(phosphaylide): a 4Ï€-Electron Three-Membered Heterocycle. Inorganic Chemistry, 2011, 50, 7949-7951.	1.9	19
101	Synthesis of a Stable Nâ€Heteroâ€Rh^Iâ€Metallacyclic Silanone. Angewandte Chemie - International Edition, 2020, 59, 15937-15941.	7.2	19
102	Stereoselective synthesis of chiral polyfunctionalized cyclohexane derivatives. Palladium(II)-mediated reaction between cyclohexenones and diazomethane. Tetrahedron, 2001, 57, 1025-1034.	1.0	18
103	Theoretical and Experimental Investigation of the Basicity of Phosphino(silyl)carbenes. Journal of Organic Chemistry, 2005, 70, 5671-5677.	1.7	18
104	Structure and Fluxional Behavior of (Î·4-butadiene)Fe(CO)2L (L = CO, PH3, PMe3) Complexes. A Density Functional Study. Organometallics, 1997, 16, 475-481.	1.1	17
105	Structure and Conformational Equilibrium in Substituted [(Î·4-butadiene)Fe(CO)3] Complexes: A Density Functional Study. Chemistry - A European Journal, 1999, 5, 1722-1727.	1.7	17
106	Stereoselective Rh-Catalyzed Hydrogenation of Cyclobutyl Chiral Enamides:Â Double Stereodifferentiation vs Catalyst-Controlled Diastereoselection. Journal of Organic Chemistry, 2004, 69, 7971-7978.	1.7	17
107	Searching for new cell-penetrating agents: hybrid cyclobutaneâ€“proline Î³,Î³-peptides. Organic and Biomolecular Chemistry, 2012, 10, 4050.	1.5	17
108	Carbon dioxide rotational isomerism in bis(ethylene)(carbon dioxide)molybdenum complexes: a theoretical study. Inorganic Chemistry, 1987, 26, 3966-3968.	1.9	15

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109	Theoretical study of the ScCO2 â†' OScCO reaction. Computational and Theoretical Chemistry, 1996, 371, 79-84.	1.5	15
110	Stereoselective synthesis of cyclobutyl Î±-aminocyclopropyl carboxylic acid derivatives. Tetrahedron: Asymmetry, 2000, 11, 4903-4914.	1.8	15
111	[2 + 2]-Photocycloaddition of 1,1-Diethoxyethylene to Chiral Polyfunctional 2-Cyclohexenones. Regioselectivity and Ï€-Facial Discrimination. Journal of Organic Chemistry, 2004, 69, 1120-1125.	1.7	15
112	Kemp Elimination Reaction Catalyzed by Electric Fields. ChemPhysChem, 2020, 21, 295-306.	1.0	15
113	Stereodivergent syntheses of the first bis(cyclobutane) Î²-dipeptides. Tetrahedron: Asymmetry, 2002, 13, 2403-2405.	1.8	14
114	Reversible CO₂ Addition to a Si=O Bond and Synthesis of a Persistent SiO₂â€“CO₂ Cycloadduct Stabilized by a Lewis Donorâ€“Acceptor Ligand. Angewandte Chemie, 2018, 130, 2665-2668.	1.6	14
115	Density Functional Study of Possible Intermediates in the Mechanism of Olefin Cyclopropanation Catalyzed by Metal Carboxylates. European Journal of Inorganic Chemistry, 2000, 2000, 1073-1078.	1.0	13
116	The silicon effect on the regioselectivity of the Tsuji-Trost reaction. Experimental and theoretical approaches. Journal of Organometallic Chemistry, 2003, 687, 337-345.	0.8	13
117	On the mechanism of Dielsâ€"Alder reactions catalyzed by Lewis acids. Chemical Physics Letters, 1985, 113, 197-201.	1.2	12
118	Enantioselective synthesis of chiral polyfunctional cyclopentane derivatives: Epoxy esters, hydroxy esters, and hydroxy amino esters. Tetrahedron, 1995, 51, 11841-11854.	1.0	12
119	On theZâ^'EPhotoisomerization of Chiral 2-Pentenoate Esters:Â Stationary Irradiations, Laser-Flash Photolysis Studies, and Theoretical Calculations. Journal of Organic Chemistry, 2000, 65, 6958-6965.	1.7	12
120	Donorâ€Stabilized Silylene/Phosphineâ€Supported Carbon(0) Center with High Electron Density. Angewandte Chemie, 2017, 129, 6995-6999.	1.6	12
121	Synthesis, Structure, and Reactivity of a Stable Phosphoniumâ€"Sulfinyl Yldiide. European Journal of Inorganic Chemistry, 2017, 2017, 3494-3497.	1.0	12
122	Unraveling the Modulation of the Activity in Drugs Based on Methylated Phenanthroline When Intercalating between DNA Base Pairs. Journal of Chemical Information and Modeling, 2019, 59, 3989-3995.	2.5	12
123	Synthesis of a Stable Nâ€Hetero â€Rh I â€Metallacyclic Silanone. Angewandte Chemie, 2020, 132, 16071-16075.	1.6	12
124	Coordination of NO2to Cu and Mg in M(NO2)2Complexes. A Theoretical Study. Inorganic Chemistry, 1998, 37, 4512-4517.	1.9	11
125	Modeling of epoxy oligomers with nonlinear optical chromophores in the main chain: molecular dynamics and quantum chemical study. International Journal of Quantum Chemistry, 2007, 107, 2398-2408.	1.0	11
126	Azavinylidenephosphoranes: A Class of Cyclic Pushâ€"Pull Carbenes. Chemistry - A European Journal, 2014, 20, 12528-12536.	1.7	11

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127	Phosphine/Sulfoxideâ€Supported Carbon(0) Complex. Chemistry - A European Journal, 2018, 24, 2570-2574.	1.7	11
128	A Stable Nâ€Hetero â€Rh â€Metallacyclic Silylene. Angewandte Chemie, 2019, 131, 10416-10420.	1.6	11
129	Coordination of NO2to Alkaline-Earth Metals. A Theoretical Study. Journal of Physical Chemistry A, 1998, 102, 630-635.	1.1	10
130	A comparative study on the 1,3-dipolar cycloadditions of diazomethane and bis(diisopropylamino)phosphinodiazomethane to chiral electron-deficient olefins: reactivity and diastereoselectivity. Tetrahedron: Asymmetry, 2002, 13, 2593-2603.	1.8	10
131	Synthesis and Characterization of New N-Alkylamino-3,5-diphenylpyrazole Ligands and Reactivity Toward PdII and PtII. Study of the cisâ€“trans Isomerization. Australian Journal of Chemistry, 2010, 63, 257.	0.5	10
132	Studies on Cycloalkaneâ€Based Bisamide Organogelators: A New Example of Stochastic Chiral Symmetryâ€Breaking Induced by Sonication. Chemistry - A European Journal, 2017, 23, 3357-3365.	1.7	10
133	Reactivity and selectivity in catalyzed diels-alder reactions. Computational and Theoretical Chemistry, 1985, 120, 85-90.	1.5	9
134	5-Ylidene-2(5)-furanones as dienophiles in Diels-Alder cycloadditions: effect of the substituents on the site-selectivity. Tetrahedron, 1991, 47, 8775-8786.	1.0	9
135	Rotational Barriers in Trimethylenemethane-Fe(CO)2L Complexes. A Density Functional Study. Organometallics, 1994, 13, 3115-3119.	1.1	9
136	Reaction of C-Silylated Î±-Diazophosphines as Nucleophiles toward Carbonyl Compounds:â€‰ A Mechanistic Study and Application to the Synthesis of Alkynes and Î±-Hydroxyphosphonamides. Journal of Organic Chemistry, 2006, 71, 5320-5327.	1.7	9
137	Comparison of Density Functionals for Reactions of Sulfur Ylides with Aldehydes and Olefins. Journal of Physical Chemistry A, 2007, 111, 12019-12025.	1.1	9
138	Highly stereoselective and easy synthesis of enantiopure phosphoranyl oxiranes. Tetrahedron: Asymmetry, 2007, 18, 2617-2620.	1.8	9
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