

# Vicenç Branchadell

## List of Publications by Year in descending order

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179  
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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	Strained and Reactive Donor/Acceptor- $\sigma$ -Supported Metallasilanone. <i>Angewandte Chemie</i> , 2021, 133, 18637-18641.	1.6	2
2	Strained and Reactive Donor/Acceptor- $\sigma$ -Supported Metallasilanone. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18489-18493.	7.2	5
3	Efficient DNA Condensation Induced by Chiral $\beta^2$ -Amino Acid-Based Cationic Surfactants. <i>ACS Applied Bio Materials</i> , 2021, 4, 7034-7043.	2.3	8
4	Chiral pH-sensitive cyclobutane $\beta^2$ -amino acid-based cationic amphiphiles: Possible candidates for use in gene therapy. <i>Journal of Molecular Liquids</i> , 2020, 297, 111856.	2.3	7
5	Kemp Elimination Reaction Catalyzed by Electric Fields. <i>ChemPhysChem</i> , 2020, 21, 295-306.	1.0	15
6	Catalytic Effect of Electric Fields on the Kemp Elimination Reactions with Neutral Bases. <i>ChemPhysChem</i> , 2020, 21, 2594-2604.	1.0	1
7	Synthesis of a Stable $\sigma$ -Hetero- $\sigma$ -Rh <sup>I</sup> -Metallacyclic Silanone. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15937-15941.	7.2	19
8	Synthesis of a Stable $\sigma$ -Hetero- $\sigma$ -Rh <sup>I</sup> -Metallacyclic Silanone. <i>Angewandte Chemie</i> , 2020, 132, 16071-16075.	1.6	12
9	Unraveling the Modulation of the Activity in Drugs Based on Methylated Phenanthroline When Intercalating between DNA Base Pairs. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 3989-3995.	2.5	12
10	A Stable $\sigma$ -Hetero- $\sigma$ -Rh <sup>I</sup> -Metallacyclic Silylene. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10310-10314.	7.2	20
11	A Stable $\sigma$ -Hetero- $\sigma$ -Rh <sup>I</sup> -Metallacyclic Silylene. <i>Angewandte Chemie</i> , 2019, 131, 10416-10420.	1.6	11
12	Synthesis and Gelling Abilities of Polyfunctional Cyclohexane-1,2-dicarboxylic Acid Bisamides: Influence of the Hydroxyl Groups. <i>Molecules</i> , 2019, 24, 352.	1.7	2
13	Reversible CO <sub>2</sub> Addition to a Si=O Bond and Synthesis of a Persistent SiO <sub>2</sub> -CO <sub>2</sub> Cycloadduct Stabilized by a Lewis Donor-Acceptor Ligand. <i>Angewandte Chemie</i> , 2018, 130, 2665-2668.	1.6	14
14	Reversible CO <sub>2</sub> Addition to a Si=O Bond and Synthesis of a Persistent SiO <sub>2</sub> -CO <sub>2</sub> Cycloadduct Stabilized by a Lewis Donor-Acceptor Ligand. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2635-2638.	7.2	20
15	Phosphine/Sulfoxide- $\sigma$ -Supported Carbon(0) Complex. <i>Chemistry - A European Journal</i> , 2018, 24, 2570-2574.	1.7	11
16	Stereoselectivity of Proline/Cyclobutane Amino Acid-Containing Peptide Organocatalysts for Asymmetric Aldol Additions: A Rationale. <i>Journal of Organic Chemistry</i> , 2018, 83, 350-363.	1.7	25
17	Cyclobutane Scaffold in Bolaamphiphiles: Effect of Diastereoisomerism and Regiochemistry on Their Surface Activity Aggregate Structure. <i>Langmuir</i> , 2018, 34, 11424-11432.	1.6	8
18	Phosphoryl-Transfer Reaction in RNA under Alkaline Conditions. <i>Chemistry - A European Journal</i> , 2018, 24, 13565-13572.	1.7	0

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19	A Stable Monomeric SiO <sub>2</sub> Complex with Donor–Acceptor Ligands. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3935-3939.	7.2	38
20	The Lightest Element Phosphoranylidene: NHC-Supported Cyclic Borylidene–Phosphorane with Significant B=P Character. <i>Angewandte Chemie</i> , 2017, 129, 4892-4896.	1.6	33
21	Donor-Stabilized Silylene/Phosphine-Supported Carbon(0) Center with High Electron Density. <i>Angewandte Chemie</i> , 2017, 129, 6995-6999.	1.6	12
22	Donor-Stabilized Silylene/Phosphine-Supported Carbon(0) Center with High Electron Density. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6891-6895.	7.2	27
23	The Lightest Element Phosphoranylidene: NHC-Supported Cyclic Borylidene–Phosphorane with Significant B=P Character. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4814-4818.	7.2	49
24	A Stable Monomeric SiO <sub>2</sub> Complex with Donor–Acceptor Ligands. <i>Angewandte Chemie</i> , 2017, 129, 3993-3997.	1.6	23
25	Studies on Cycloalkane-Based Bisamide Organogelators: A New Example of Stochastic Chiral Symmetry-Breaking Induced by Sonication. <i>Chemistry - A European Journal</i> , 2017, 23, 3357-3365.	1.7	10
26	Cyclic (Amino)(Phosphonium Bora–Ylide)Silanone: A Remarkable Room-Temperature-Persistent Silanone. <i>Angewandte Chemie</i> , 2017, 129, 16132-16136.	1.6	57
27	Cyclic (Amino)(Phosphonium Bora–Ylide)Silanone: A Remarkable Room-Temperature-Persistent Silanone. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15916-15920.	7.2	62
28	Phosphoryl Transfer Reaction in RNA: Is the Substrate-Assisted Catalysis a Possible Mechanism in Certain Solvents?. <i>Journal of Physical Chemistry A</i> , 2017, 121, 8525-8534.	1.1	5
29	Exceptionally Strong Electron-Donating Ability of Bora–Ylide Substituent vis-à-vis Silylene and Silylium Ion. <i>Angewandte Chemie</i> , 2017, 129, 10685-10690.	1.6	24
30	Exceptionally Strong Electron-Donating Ability of Bora–Ylide Substituent vis-à-vis Silylene and Silylium Ion. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10549-10554.	7.2	42
31	A Fairly Stable Crystalline Silanone. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10481-10485.	7.2	79
32	A Fairly Stable Crystalline Silanone. <i>Angewandte Chemie</i> , 2017, 129, 10617-10621.	1.6	71
33	Synthesis, Structure, and Reactivity of a Stable Phosphonium–Sulfinyl Ylide. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3494-3497.	1.0	12
34	Theoretical study of a proton wire mechanism for the peptide bond formation in the ribosome. <i>Theoretical Chemistry Accounts</i> , 2017, 136, 1.	0.5	3
35	Donor/Acceptor-Stabilized 1-Silaketene: Reversible [2+2] Cycloaddition with Pyridine and Evolution by an Olefin Metathesis Reaction. <i>Chemistry - A European Journal</i> , 2016, 22, 10247-10253.	1.7	29
36	A theoretical study of methylation and CH/π interactions in DNA intercalation: methylated 1,10-phenanthroline in adenine–thymine base pairs. <i>RSC Advances</i> , 2016, 6, 85891-85902.	1.7	23

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37	Silacyclopropylideneplatinum(0) Complex as a Robust and Efficient Hydrosilylation Catalyst. <i>Inorganic Chemistry</i> , 2016, 55, 8234-8240.	1.9	61
38	Cyclic Amino(Ylide) Silylene: A Stable Heterocyclic Silylene with Strongly Electronâ€Donating Character. <i>Angewandte Chemie</i> , 2016, 128, 16375-16378.	1.6	37
39	Cyclic Amino(Ylide) Silylene: A Stable Heterocyclic Silylene with Strongly Electronâ€Donating Character. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16141-16144.	7.2	60
40	Synthesis, Selectivity and Structural Study of New C <sub>3</sub> -Symmetric Tripodal Amides as Anion Receptors. An Experimental and Theoretical Approach. <i>ChemistrySelect</i> , 2016, 1, 1887-1892.	0.7	1
41	Theoretical Insights on the Mechanism of the GTP Hydrolysis Catalyzed by the Elongation Factor Tu (EF-Tu). <i>Journal of Physical Chemistry B</i> , 2016, 120, 89-101.	1.2	1
42	Donor-Stabilized Silacyclobutanone: A Precursor of 1-Silaketene via Retro-[2 + 2]-Cycloaddition Reaction at Room Temperature. <i>Journal of the American Chemical Society</i> , 2016, 138, 2965-2968.	6.6	36
43	Reversible Dimerization of Phosphineâ€Stabilized Silylenes by Silylene Insertion into Si<sup>II</sup>â€H and Si<sup>II</sup>â€Cl ĩfâ€Bonds at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15276-15279.	7.2	26
44	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. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 2714-2728.	2.3	28
45	Stereoselective synthesis of highly branched chiral cyclobutane-cored triamines and their conjugation to Gd-DOTA. <i>Tetrahedron</i> , 2015, 71, 8085-8095.	1.0	0
46	Design of New N-polyether Pyrazole Derived Ligands: Synthesis, Characterization and Regioselectivity. <i>Current Organic Synthesis</i> , 2014, 11, 149-155.	0.7	3
47	Azavinylidenephosphoranes: A Class of Cyclic Pushâ€Pull Carbenes. <i>Chemistry - A European Journal</i> , 2014, 20, 12528-12536.	1.7	11
48	Theoretical Study on Two-Step Mechanisms of Peptide Release in the Ribosome. <i>Journal of Physical Chemistry B</i> , 2014, 118, 5717-5729.	1.2	2
49	Foldamers of Î <sup>2</sup> -peptides: conformational preference of peptides formed by rigid building blocks. The first MHR spectra of a triamide nanosystem. <i>Amino Acids</i> , 2013, 45, 957-973.	1.2	9
50	Low-molecular-weight gelators consisting of hybrid cyclobutane-based peptides. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2839.	1.5	32
51	Quantum Mechanical Study on the Mechanism of Peptide Release in the Ribosome. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3503-3515.	1.2	4
52	A Baseâ€Stabilized Silaâ€Lactone and a Donor/Acceptorâ€Stabilized Silanoic Acid. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8980-8983.	7.2	66
53	Searching for new cell-penetrating agents: hybrid cyclobutaneâ€proline Î <sup>3</sup> , Î <sup>3</sup> -peptides. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 4050.	1.5	17
54	Quantum-Mechanical Study on the Mechanism of Peptide Bond Formation in the Ribosome. <i>Journal of the American Chemical Society</i> , 2012, 134, 5817-5831.	6.6	31

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55	Anion Influence on the Structure of <i>N,O</i> -Hybrid Pyrazole Zn <sup>II</sup> , Cd <sup>II</sup> , and Hg <sup>II</sup> Complexes. Synthesis, Characterization, and Theoretical Studies. <i>Crystal Growth and Design</i> , 2012, 12, 3700-3708.	1.4	9
56	Secondary Structure of Short $\hat{2}$ -Peptides as the Chiral Expression of Monomeric Building Units: A Rational and Predictive Model. <i>Journal of Organic Chemistry</i> , 2012, 77, 9795-9806.	1.7	30
57	Activation of CO <sub>2</sub> and SO <sub>2</sub> by Boryl(phosphino)carbenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2489-2491.	7.2	33
58	Synthesis and Characterization of a Stable Cyclic <i>gem</i> -Bis(phosphaylide): a 4 $\pi$ -Electron Three-Membered Heterocycle. <i>Inorganic Chemistry</i> , 2011, 50, 7949-7951.	1.9	19
59	Variable behaviour of flexible N,O-mixed pyrazole ligand towards Zn(ii), Cd(ii) and Hg(ii) ions. Synthesis, crystal structure and fluorescent properties. <i>CrystEngComm</i> , 2011, 13, 6457.	1.3	25
60	Self-Assembly of Chiral <i>trans</i> -Cyclobutane-Containing $\hat{2}$ -Dipeptides into Ordered Aggregates. <i>Chemistry - A European Journal</i> , 2011, 17, 4588-4597.	1.7	47
61	Mutual Relationship between Stacking and Hydrogen Bonding in DNA. Theoretical Study of Guanine $\cdots$ Cytosine, Guanine $\cdots$ 5-methylcytosine, and Their Dimers. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10217-10227.	1.2	74
62	An Isolable Mixed P,S-Bis(ylide) as an Asymmetric Carbon Atom Source. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6798-6801.	7.2	29
63	Synthesis and structural features of cyclobutane-containing chiral bicyclic ureas. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 339-345.	1.8	2
64	Synthesis and Characterization of New N-Alkylamino-3,5-diphenylpyrazole Ligands and Reactivity Toward PdII and PtII. Study of the <i>cis</i> $\leftrightarrow$ <i>trans</i> Isomerization. <i>Australian Journal of Chemistry</i> , 2010, 63, 257.	0.5	10
65	Borylated Methylenephosphonium Salts: Precursors of Elusive Boryl(phosphino)carbenes. <i>Journal of the American Chemical Society</i> , 2010, 132, 8864-8865.	6.6	39
66	Folding and self-assembling with $\hat{2}$ -oligomers based on (1R,2S)-2-aminocyclobutane-1-carboxylic acid. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 564-575.	1.5	59
67	Synthesis of New Bicycloalkane Derivatives from Allylic Alcohols/Lactols by a Tandem Isomerization-Intramolecular Aldolization Process. <i>Synlett</i> , 2009, 2009, 1969-1973.	1.0	0
68	Density functional methods in the study of oxygen transfer reactions. <i>Theoretical Chemistry Accounts</i> , 2009, 123, 59-66.	0.5	3
69	A stereoselective synthetic entry to $\hat{2}$ -substituted $\hat{1}$ -[( <i>trans</i> )-vinyl] phosphonamides. <i>Tetrahedron</i> , 2009, 65, 2451-2454.	1.0	2
70	Synthesis and structural study of novel dimethylcyclobutyl $\hat{2}$ -peptides. <i>Tetrahedron</i> , 2009, 65, 5669-5675.	1.0	23
71	An Analysis of the Different Behavior of DNA and RNA through the Study of the Mutual Relationship between Stacking and Hydrogen Bonding. <i>Journal of Physical Chemistry B</i> , 2009, 113, 4907-4914.	1.2	47
72	Prevalence of Eight-Membered Hydrogen-Bonded Rings in Some Bis(cyclobutane) $\hat{2}$ -Dipeptides Including Residues with <i>Trans</i> Stereochemistry. <i>Organic Letters</i> , 2009, 11, 2301-2304.	2.4	47

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73	Understanding the $\pi$ -facial diastereoselectivity in the addition of chiral diaminophosphino(silyl)carbenes to activated olefins. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2353-2358.	1.8	7
74	Quadrupole coupling constants and isomeric Mössbauer shifts for halogen-containing gold, platinum, niobium, tantalum and antimony compounds. <i>Hyperfine Interactions</i> , 2008, 181, 27-36.	0.2	4
75	Thioxophosphoranyl aryl- and heteroaryloxiranes as the representants of a new class of metallocarboxypeptidase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 4823-4828.	1.4	8
76	Synthesis and Characterization of Metallomacrocyclic Palladium(II) Complexes with New Hybrid Pyrazole Ligands. Diffusion NMR Studies and Theoretical Calculations. <i>Inorganic Chemistry</i> , 2008, 47, 11084-11094.	1.9	27
77	Highly Efficient Pyridylpyrazole Ligands for the Heck Reaction. A Combined Experimental and Computational Study. <i>Organometallics</i> , 2008, 27, 1084-1091.	1.1	57
78	Self-Assembly of a Cyclobutane $\beta^2$ -Tetrapeptide To Form Nanosized Structures. <i>Organic Letters</i> , 2007, 9, 3643-3645.	2.4	81
79	On the Bonding of First-Row Transition Metal Cations to Guanine and Adenine Nucleobases. <i>Journal of Physical Chemistry A</i> , 2007, 111, 9823-9829.	1.1	34
80	Theoretical Study on the Mechanism of the [2 + 1] Thermal Cycloaddition between Alkenes and Stable Singlet (Phosphino)(silyl)carbenes. <i>Journal of Organic Chemistry</i> , 2007, 72, 357-366.	1.7	29
81	Cyclopropanation of Cyclohexenone by Diazomethane Catalyzed by Palladium Diacetate: Evidence for the Formation of Palladium(0) Nanoparticles. <i>Organometallics</i> , 2007, 26, 3306-3314.	1.1	38
82	Comparison of Density Functionals for Reactions of Sulfur Ylides with Aldehydes and Olefins. <i>Journal of Physical Chemistry A</i> , 2007, 111, 12019-12025.	1.1	9
83	CH/ $\pi$ Interactions in DNA and Proteins. A Theoretical Study. <i>Journal of Physical Chemistry B</i> , 2007, 111, 9372-9379.	1.2	55
84	Synthesis of a Mixed Phosphonium <sup>+</sup> Sulfonium Bisylide $R_3P=C_2SR_2$ . <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9078-9080.	7.2	42
85	Base-Catalyzed Anti-Markovnikov Hydroamination of Vinylarenes – Scope, Limitations and Computational Studies. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 3311-3325.	1.2	84
86	Modeling of epoxy oligomers with nonlinear optical chromophores in the main chain: molecular dynamics and quantum chemical study. <i>International Journal of Quantum Chemistry</i> , 2007, 107, 2398-2408.	1.0	11
87	Highly stereoselective and easy synthesis of enantiopure phosphoranyl oxiranes. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 2617-2620.	1.8	9
88	Prediction of pKa Values of nido-Carboranes by Density Functional Theory Methods. <i>Inorganic Chemistry</i> , 2006, 45, 7947-7954.	1.9	27
89	Reaction of C-Silylated $\beta^2$ -Diazophosphines as Nucleophiles toward Carbonyl Compounds: A Mechanistic Study and Application to the Synthesis of Alkynes and $\beta^2$ -Hydroxyphosphonamides. <i>Journal of Organic Chemistry</i> , 2006, 71, 5320-5327.	1.7	9
90	Cyclobutyl-carbonyl substituted PNA: synthesis and study of a novel PNA derivative. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 2499-2503.	1.8	6

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91	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
92	SO <sub>3</sub> complexes with nitrogen containing ligands as the object of nuclear quadrupole interactions and density functional theory calculations. Computational and Theoretical Chemistry, 2006, 761, 195-201.	1.5	5
93	Regioselective formation of N-alkyl-3,5-pyrazole derived ligands. A synthetic and computational study. Tetrahedron, 2005, 61, 12377-12385.	1.0	20
94	DFT Study of HFI in Halogen-Containing Gold, Silver and Copper Complexes. Hyperfine Interactions, 2005, 159, 293-304.	0.2	2
95	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
96	(+)- and (âˆš)-2-Aminocyclobutane-1-carboxylic Acids and Their Incorporation into Highly Rigid Î²-Peptides: A Stereoselective Synthesis and a Structural Study. Journal of Organic Chemistry, 2005, 70, 7963-7971.	1.7	54
97	Theoretical and Experimental Investigation of the Basicity of Phosphino(silyl)carbenes. Journal of Organic Chemistry, 2005, 70, 5671-5677.	1.7	18
98	Adsorption of NH <sub>3</sub> and H <sub>2</sub> O in Acidic Chabazite. Comparison of ONIOM Approach with Periodic Calculations. Journal of Physical Chemistry B, 2005, 109, 3539-3545.	1.2	96
99	Stereoselective Synthesis of Phosphoranyl Aryloxiranes Through the Addition of a Nucleophilic Stable Carbene to Aromatic Aldehydes.. ChemInform, 2004, 35, no.	0.1	0
100	Can Cu <sup>++</sup> -Exchanged Zeolites Store Molecular Hydrogen? An ab initio Periodic Study Compared with Low-Temperature FTIR.. ChemInform, 2004, 35, no.	0.1	0
101	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
102	Can Cu <sup>++</sup> -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
103	14-Helical Folding in a Cyclobutane-Containing Î²-Tetrapeptide. Journal of Organic Chemistry, 2004, 69, 5093-5099.	1.7	46
104	[2 + 2]-Photocycloaddition of 1,1-Diethoxyethylene to Chiral Polyfunctional 2-Cyclohexenones. Regioselectivity and Îµ-Facial Discrimination. Journal of Organic Chemistry, 2004, 69, 1120-1125.	1.7	15
105	Stereoselective Rh-Catalyzed Hydrogenation of Cyclobutyl Chiral Enamides: A Double Stereodifferentiation vs Catalyst-Controlled Diastereoselection. Journal of Organic Chemistry, 2004, 69, 7971-7978.	1.7	17
106	Electron hole formation in acidic zeolite catalysts. Journal of Chemical Physics, 2004, 121, 6034-6041.	1.2	49
107	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
108	Reactions of a Stable (Phosphanyl)(silyl)carbene with Aliphatic Aldehydes: [2 + 1] versus [2 + 2] Addition to a Carbonyl Group.. ChemInform, 2003, 34, no.	0.1	0



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109	Theoretical Study on the Mechanism of Iron Carbonyls Mediated Isomerization of Allylic Alcohols to Saturated Carbonyls. <i>Chemistry - A European Journal</i> , 2003, 9, 2062-2067.	1.7	45
110	Spin-forbidden N <sub>2</sub> O dissociation in Cu@ZSM-5. <i>Chemical Physics Letters</i> , 2003, 368, 242-246.	1.2	30
111	The silicon effect on the regioselectivity of the Tsuji-Trost reaction. Experimental and theoretical approaches. <i>Journal of Organometallic Chemistry</i> , 2003, 687, 337-345.	0.8	13
112	Stereoselective Synthesis of Phosphoranyl Aryloxiranes through the Addition of a Nucleophilic Stable Carbene to Aromatic Aldehydes. <i>Journal of Organic Chemistry</i> , 2003, 68, 7707-7710.	1.7	24
113	Intra- and Intermolecular 1,3-Dipolar Cycloaddition of Sugar Ketonitrone with Mono-, Di-, and Trisubstituted Dipolarophiles. <i>Journal of Organic Chemistry</i> , 2003, 68, 4772-4783.	1.7	37
114	Photolysis of Chiral 1-Pyrazolines to Cyclopropanes: A Mechanism and Stereospecificity. <i>Journal of Organic Chemistry</i> , 2003, 68, 4906-4911.	1.7	19
115	Theoretical Study on the Regioselectivity of Nucleophilic Attack in Silyl-Substituted (Diphosphino)(1-3-allyl)palladium Cations. <i>Organometallics</i> , 2002, 21, 2407-2412.	1.1	28
116	Stereoselective Synthesis of Novel Types of Cyclopropyl Carbocyclic Nucleosides Containing Quaternary Stereogenic Centers. <i>Journal of Organic Chemistry</i> , 2002, 67, 4520-4525.	1.7	20
117	Theoretical Study of the Photochemical [2 + 2]-Cycloadditions of Cyclic and Acyclic 1,2-Unsaturated Carbonyl Compounds to Ethylene. <i>Journal of Organic Chemistry</i> , 2002, 67, 6070-6077.	1.7	40
118	Keto-Enol Isomerization of Acetaldehyde in HZSM5. A Theoretical Study Using the ONIOM2 Method. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10220-10226.	1.2	46
119	On the NO Decomposition by Cu@ZSM-5 through the ZCu(NO <sub>2</sub> )(NO) or ZCu(N <sub>2</sub> O <sub>3</sub> ) Intermediates. <i>Journal of Physical Chemistry B</i> , 2002, 106, 1372-1379.	1.2	25
120	Reaction between N-Alkylhydroxylamines and Chiral Enoate Esters: A More Experimental Evidence for a Cycloaddition-like Process, a Rationale Based on DFT Theoretical Calculations, and Stereoselective Synthesis of New Enantiopure 1 <sup>o</sup> -Amino Acids. <i>Journal of Organic Chemistry</i> , 2002, 67, 2402-2410.	1.7	43
121	Stereodivergent syntheses of the first bis(cyclobutane) 1 <sup>o</sup> -dipeptides. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 2403-2405.	1.8	14
122	A comparative study on the 1,3-dipolar cycloadditions of diazomethane and bis(diisopropylamino)phosphinodiazomethane to chiral electron-deficient olefins: reactivity and diastereoselectivity. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 2593-2603.	1.8	10
123	The T <sub>13</sub> ( $\pi^*-\pi^*$ )/S <sub>0</sub> Intersections and Triplet Lifetimes of Cyclic 1,2-Unsaturated Carbonyl Compounds. <i>Journal of Organic Chemistry</i> , 2001, 66, 8811-8814.	1.7	31
124	Mechanism of Olefin Cyclopropanation by Diazomethane Catalyzed by Palladium Dicarboxylates. A Density Functional Study. <i>Journal of the American Chemical Society</i> , 2001, 123, 6157-6163.	6.6	53
125	Stereoselective synthesis of chiral polyfunctionalized cyclohexane derivatives. Palladium(II)-mediated reaction between cyclohexenones and diazomethane. <i>Tetrahedron</i> , 2001, 57, 1025-1034.	1.0	18
126	Density Functional Study of Possible Intermediates in the Mechanism of Olefin Cyclopropanation Catalyzed by Metal Carboxylates. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 1073-1078.	1.0	13



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