

Vittorio Pace

List of Publications by Year in descending order

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101384

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all docs

150
docs citations

150
times ranked

2843
citing authors

#	ARTICLE	IF	CITATIONS
1	2-Methyltetrahydrofuran (2-MeTHF): A Biomass-Derived Solvent with Broad Application in Organic Chemistry. <i>ChemSusChem</i> , 2012, 5, 1369-1379.	3.6	520
2	Increasing the Reactivity of Amides towards Organometallic Reagents: An Overview. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 3697-3736.	2.1	207
3	Exploiting a β -Carbenoid in Carbenoid Chemistry: Development of a Straightforward Direct Nucleophilic Fluoromethylation Strategy. <i>Journal of the American Chemical Society</i> , 2017, 139, 13648-13651.	6.6	104
4	Cyclopentyl Methyl Ether: An Elective Ecofriendly Ethereal Solvent in Classical and Modern Organic Chemistry. <i>ChemSusChem</i> , 2019, 12, 40-70.	3.6	100
5	Structures of Highly Twisted Amides Relevant to Amide N \rightarrow C Cross-Coupling: Evidence for Ground-State Amide Destabilization. <i>Chemistry - A European Journal</i> , 2016, 22, 14494-14498.	1.7	94
6	Cu(I)-NHC Catalyzed Asymmetric Silyl Transfer to Unsaturated Lactams and Amides. <i>Organic Letters</i> , 2014, 16, 476-479.	2.4	90
7	Addition of lithium carbenoids to isocyanates: a direct access to synthetically useful N-substituted 2-haloacetamides. <i>Chemical Communications</i> , 2013, 49, 8383.	2.2	85
8	Recent advancements on the use of 2-methyltetrahydrofuran in organometallic chemistry. <i>Monatshefte für Chemie</i> , 2017, 148, 37-48.	0.9	84
9	Chemoselective Activation Strategies of Amidic Carbonyls towards Nucleophilic Reagents. <i>Australian Journal of Chemistry</i> , 2013, 66, 507.	0.5	78
10	Dynamic Kinetic Resolution via Hydrolase-Metal Combo Catalysis in Stereoselective Synthesis of Bioactive Compounds. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2585-2611.	2.1	76
11	Efficient Access to All-Carbon Quaternary and Tertiary β -Functionalized Homoallyl-type Aldehydes from Ketones. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12677-12682.	7.2	71
12	Chemoselective Schwartz Reagent Mediated Reduction of Isocyanates to Formamides. <i>Organic Letters</i> , 2016, 18, 2750-2753.	2.4	70
13	2-Methyltetrahydrofuran as a suitable green solvent for phthalimide functionalization promoted by supported KF. <i>Green Chemistry</i> , 2010, 12, 1380.	4.6	68
14	Improved Arndt-Eistert Synthesis of β -Diazoketones Requiring Minimal Diazomethane in the Presence of Calcium Oxide as Acid Scavenger. <i>Journal of Organic Chemistry</i> , 2010, 75, 5760-5763.	1.7	65
15	Modular and Chemoselective Strategy for the Direct Access to β -Fluoroepoxides and Aziridines via the Addition of Fluoroiodomethylithium to Carbonyl-Like Compounds. <i>Organic Letters</i> , 2019, 21, 584-588.	2.4	65
16	Telescoped, Divergent, Chemoselective C1 and C1 \rightarrow C1 Homologation of Imine Surrogates: Access to Quaternary Chloro- and Halomethyl- β -Trifluoromethyl Aziridines. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2479-2484.	7.2	64
17	Bromomethylithium-mediated chemoselective homologation of disulfides to dithioacetals. <i>Chemical Communications</i> , 2016, 52, 2639-2642.	2.2	59
18	NHC-Cu(I) catalysed asymmetric conjugate silyl transfer to unsaturated lactones: application in kinetic resolution. <i>Chemical Communications</i> , 2013, 49, 5150.	2.2	58

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19	Homologation chemistry with nucleophilic α -substituted organometallic reagents: chemocontrol, new concepts and (solved) challenges. <i>Chemical Communications</i> , 2018, 54, 6692-6704.	2.2	58
20	Synthesis of α,β -Unsaturated α^2 -Haloketones through the Chemoselective Addition of Halomethylolithiums to Weinreb Amides. <i>Journal of Organic Chemistry</i> , 2013, 78, 7764-7770.	1.7	57
21	Lithium Halomethylcarbenoids: Preparation and Use in the Homologation of Carbon Electrophiles. <i>Chemical Record</i> , 2016, 16, 2061-2076.	2.9	55
22	Isocyanates and isothiocyanates as versatile platforms for accessing (thio)amide-type compounds. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7848-7854.	1.5	55
23	Direct and Chemoselective Synthesis of Tertiary Difluoroketones via Weinreb Amide Homologation with a α -Carbene Equivalent. <i>Organic Letters</i> , 2019, 21, 8261-8265.	2.4	53
24	Highly regioselective control of 1,2-addition of organolithiums to α,β -unsaturated compounds promoted by lithium bromide in 2-methyltetrahydrofuran: a facile and eco-friendly access to allylic alcohols and amines. <i>Tetrahedron</i> , 2011, 67, 2670-2675.	1.0	52
25	Evidence and isolation of tetrahedral intermediates formed upon the addition of lithium carbenoids to Weinreb amides and N-acylpyrroles. <i>Chemical Communications</i> , 2017, 53, 9498-9501.	2.2	52
26	Chemoselective Addition of Halomethylolithiums to Functionalized Isatins: A Straightforward Access to Spiro-Epoxyoxindoles. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 172-177.	2.1	47
27	2-Methyltetrahydrofuran: A Versatile Eco-Friendly Alternative to THF in Organometallic Chemistry. <i>Australian Journal of Chemistry</i> , 2012, 65, 301.	0.5	46
28	Effective Monoallylation of Anilines Catalyzed by Supported KF. <i>Organic Letters</i> , 2007, 9, 2661-2664.	2.4	45
29	Homologation of Isocyanates with Lithium Carbenoids: A Straightforward Access to α -Halomethyl- and α,β -Dihalomethylamides. <i>Synthesis</i> , 2014, 46, 2897-2909.	1.2	45
30	New Perspectives in Lithium Carbenoid Mediated Homologations. <i>Synlett</i> , 2017, 28, 879-888.	1.0	45
31	Highly efficient synthesis of functionalized α -oxyketones via Weinreb amides homologation with α -oxygenated organolithiums. <i>Chemical Communications</i> , 2016, 52, 7584-7587.	2.2	44
32	Chemoselective Synthesis of α -Substituted α^2 -Chloro Ketones via Chloromethylation of Glycine-Derived Weinreb Amides. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 919-926.	2.1	41
33	Chemoselective efficient synthesis of functionalized β -oxonitriles through cyanomethylation of Weinreb amides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1969-1973.	1.5	41
34	Expeditious and Chemoselective Synthesis of α -Aryl and α -Alkyl Selenomethylketones via Homologation Chemistry. <i>Organic Letters</i> , 2018, 20, 2685-2688.	2.4	39
35	Weinreb Amides as Privileged Acylating Agents for Accessing α -Substituted Ketones. <i>Synthesis</i> , 2019, 51, 2792-2808.	1.2	39
36	A Robust, Eco-Friendly Access to Secondary Thioamides through the Addition of Organolithium Reagents to Isothiocyanates in Cyclopentyl Methyl Ether (CPME). <i>Chemistry - A European Journal</i> , 2015, 21, 18966-18970.	1.7	38

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37	Highly efficient chemoselective N-TBS protection of anilines under exceptional mild conditions in the eco-friendly solvent 2-methyltetrahydrofuran. <i>Green Chemistry</i> , 2011, 13, 1986.	4.6	37
38	Biocatalyzed Synthesis of Statins: A Sustainable Strategy for the Preparation of Valuable Drugs. <i>Catalysts</i> , 2019, 9, 260.	1.6	36
39	Synthesis and biological evaluation of new aryl-alkyl(alkenyl)-4-benzylpiperidines, novel Sigma Receptor (SR) modulators, as potential anticancer-agents. <i>European Journal of Medicinal Chemistry</i> , 2016, 124, 649-665.	2.6	32
40	Direct and Chemoselective Electrophilic Monofluoromethylation of Heteroatoms (O, S, N). <i>Tetrahedron Letters</i> , 2019, 50, 2485-2488.	2.45	32
41	Efficient Horner-Wadsworth-Emmons intramolecular cyclisation of a N-substituted phthalimide promoted by KF-Alumina: a general tool for the synthesis of functionalised isoindolinones. <i>Tetrahedron Letters</i> , 2009, 50, 3050-3053.	0.7	30
42	Robust eco-friendly protocol for the preparation of β -hydroxy- α -acetylenic esters by sequential one-pot elimination-addition of 2-bromoacrylates to aldehydes promoted by LTMP in 2-MeTHF. <i>Green Chemistry</i> , 2012, 14, 1859.	4.6	30
43	Expanding the Synthetic Portfolio of Organolithiums: Direct Use in Catalytic Cross-Coupling Reactions. <i>ChemCatChem</i> , 2014, 6, 1516-1519.	1.8	30
44	Chemoselective Additions of Chloromethylithium Carbenoid to Cyclic Enones: A Direct Access to Chloromethyl Allylic Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1761-1766.	2.1	30
45	Palladium-Catalyzed Internal Nucleophile-Assisted Hydration-Olefin Insertion Cascade: Diastereoselective Synthesis of 2,3-Dihydro-1H-inden-1-ones. <i>Organic Letters</i> , 2016, 18, 3442-3445.	2.4	29
46	Chemoenzymatic synthesis of chiral unsymmetrical benzoin esters. <i>Tetrahedron</i> , 2011, 67, 7321-7329.	1.0	26
47	Halomethylithium Carbenoids: Versatile Reagents for the Homologation of Electrophilic Carbon Units. <i>Australian Journal of Chemistry</i> , 2014, 67, 311.	0.5	26
48	Highly Efficient Synthesis of New α -Arylamino- β -Chloropropanones via Oxidative Hydrolysis of Vinyl Chlorides Promoted by Calcium Hypochlorite. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 3199-3206.	2.1	25
49	Chemoselective reduction of isothiocyanates to thioformamides mediated by the Schwartz reagent. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1970-1978.	1.5	25
50	Pseudo-Dipeptide Bearing α , β -Difluoromethyl Ketone Moiety as Electrophilic Warhead with Activity against Coronaviruses. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1398.	1.8	25
51	Highly chemoselective difluoromethylative homologation of iso(thio)cyanates: expeditious access to unprecedented α , β -difluoro(thio)amides. <i>Chemical Communications</i> , 2019, 55, 12960-12963.	2.2	24
52	Efficient Access to All-Carbon Quaternary and Tertiary α -Functionalized Homoallyl-type Aldehydes from Ketones. <i>Angewandte Chemie</i> , 2017, 129, 12851-12856.	1.6	23
53	Sustainable Asymmetric Organolithium Chemistry: Enantio- and Chemoselective Acylations through Recycling of Solvent, Sparteine, and Weinreb β -Amine. <i>ChemSusChem</i> , 2019, 12, 1147-1154.	3.6	23
54	Chemoselective Homologation-Deoxygenation Strategy Enabling the Direct Conversion of Carbonyls into (n+1)-Halomethyl-Alkanes. <i>Organic Letters</i> , 2020, 22, 7629-7634.	2.4	23

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55	Highly efficient and environmentally benign preparation of Weinreb amides in the biphasic system 2-MeTHF/water. <i>RSC Advances</i> , 2013, 3, 10158.	1.7	22
56	Eco-friendly chemoselective N-functionalization of isatins mediated by supported KF in 2-MeTHF. <i>Green Chemistry</i> , 2015, 17, 4194-4197.	4.6	22
57	Direct Access to 9-Chloro-1 <i>H</i> -benzo[<i>b</i>]furo[3,4- <i>e</i>]azepin-1-ones via Palladium(II)-Catalyzed Intramolecular <i>syn</i> -Oxypalladation/Olefin Insertion/ ² -C-H Bond Activation Cascade. <i>Organic Letters</i> , 2019, 21, 5784-5788.	2.4	22
58	A greener and efficient access to substituted four- and six-membered sulfur-bearing heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5000-5015.	1.5	21
59	Merging lithium carbenoid homologation and enzymatic reduction: A combinative approach to the HIV-protease inhibitor Nelfinavir. <i>Tetrahedron</i> , 2018, 74, 2211-2217.	1.0	21
60	Palladium-Catalyzed Regioselective <i>Syn</i> -Chloropalladation/Olefin Insertion/Oxidative Chlorination Cascade: Synthesis of Dichlorinated Tetrahydroquinolines. <i>Organic Letters</i> , 2019, 21, 3465-3469.	2.4	21
61	Highly chemoselective synthesis of aryl allylic sulfoxides through calcium hypobromite oxidation of aryl allylic sulfides. <i>Tetrahedron Letters</i> , 2012, 53, 967-972.	0.7	20
62	Consecutive and Selective Double Methylene Insertion of Lithium Carbenoids to Isothiocyanates: A Direct Assembly of Four-Membered Sulfur-Containing Cycles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24854-24858.	7.2	20
63	Synthesis of 6,12-Epiminodibenzo[<i>b</i> , <i>f</i>][1,5]diazocines via an Ytterbium Triflate-Catalyzed, AB ₂ Three-Component Reaction. <i>Journal of Organic Chemistry</i> , 2016, 81, 9687-9694.	1.7	19
64	Substituted $\hat{1}$ -Sulfur Methyl Carbanions: Effective Homologating Agents for the Chemoselective Preparation of $\hat{2}$ -Oxo Thioethers from Weinreb Amides. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2466-2470.	1.2	19
65	Chemoselective CaO-Mediated Acylation of Alcohols and Amines in 2-Methyltetrahydrofuran. <i>ChemSusChem</i> , 2013, 6, 905-910.	3.6	18
66	Homologation of halostannanes with carbenoids: a convenient and straightforward one-step access to $\hat{1}$ -functionalized organotin reagents. <i>Chemical Communications</i> , 2018, 54, 10112-10115.	2.2	18
67	Halogen-Imparted Reactivity in Lithium Carbenoid Mediated Homologations of Imine Surrogates: Direct Assembly of bis-Trifluoromethyl- $\hat{2}$ -Diketiminates and the Dual Role of LiCH ₂ I. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20852-20857.	7.2	17
68	Structural bases for understanding the stereoselectivity in ketone reductions with ADH from <i>Thermus thermophilus</i> : A quantitative model. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 70, 23-31.	1.8	16
69	Highly efficient and chemoselective $\hat{1}$ -iodination of acrylate esters through Morita-Baylis-Hillman-type chemistry. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1085.	1.5	16
70	Potassium-Exchanged Zirconium Hydrogen Phosphate [$\hat{1}$ -Zr(KPO ₄) ₂]-Catalyzed Synthesis of 2-Amino-4H-pyran Derivatives under Solvent-Free Conditions. <i>Synthesis</i> , 2016, 48, 1533-1540.	1.2	16
71	Carbenoid-Mediated Homologation Tactics for Assembling (Fluorinated) Epoxides and Aziridines. <i>Synlett</i> , 2021, 32, 551-560.	1.0	16
72	Telescoped, Divergent, Chemoselective C1 and C1-C1 Homologation of Imines Surrogates: A Straightforward Access to Quaternary Chloro- and Halomethyl-trifluoromethyl-aziridines. <i>Angewandte Chemie</i> , 2018, 131, 2501.	1.6	14

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73	Identification of dual Sigma1 receptor modulators/acetylcholinesterase inhibitors with antioxidant and neurotrophic properties, as neuroprotective agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 158, 353-370.	2.6	14
74	Fluoroiodomethane: A versatile CH ₂ F Source. <i>Australian Journal of Chemistry</i> , 2018, 71, 473.	0.5	14
75	A Combination of Pharmacophore and Docking-based Virtual Screening to Discover new Tyrosinase Inhibitors. <i>Molecular Informatics</i> , 2020, 39, e1900054.	1.4	14
76	Straightforward chemoselective access to unsymmetrical dithioacetals through a thiosulfonate homologation-nucleophilic substitution sequence. <i>Chemical Communications</i> , 2020, 56, 12395-12398.	2.2	14
77	Modular and Chemoselective Strategy for Accessing (Distinct) α,β -Dihaloketones from Weinreb Amides and Dihalomethylolithiums. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5056-5061.	2.1	14
78	α -Arylamino Diazoketones: Diazomethane-Loading Controlled Synthesis, Spectroscopic Investigations, and Structural X-ray Analysis. <i>Journal of Organic Chemistry</i> , 2018, 83, 4336-4347.	1.7	13
79	Electrophilicity Scale of Activated Amides: ¹⁷ O and ¹⁵ N NMR Chemical Shifts of Acyclic Twisted Amides in N ⁺ C(O) Cross-Coupling. <i>Chemistry - A European Journal</i> , 2020, 26, 16246-16250.	1.7	13
80	¹⁷ O NMR and ¹⁵ N NMR chemical shifts of sterically-hindered amides: ground-state destabilization in amide electrophilicity. <i>Chemical Communications</i> , 2019, 55, 4423-4426.	2.2	12
81	The synthetic versatility of the Tiffeneau-Demjanov chemistry in homologation tactics. <i>Monatshefte für Chemie</i> , 2019, 150, 2011-2019.	0.9	12
82	α -Amino- α -Halomethylketones: Synthetic Methodologies and Pharmaceutical Applications as Serine and Cysteine Protease Inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013, 13, 988-996.	1.1	12
83	Highly Regioselective and Efficient Synthesis of Aminoepoxides by Ring Closure of Aminohalohydrins Mediated by KF-Celite. <i>Synlett</i> , 2011, 2011, 1831-1834.	1.0	11
84	Synthesis of stable α -fluoromethyl putative carbanions via a chemoselective reduction-monofluoromethylation sequence of diselenides under sustainable conditions. <i>Tetrahedron</i> , 2021, 85, 131921.	1.0	11
85	A straightforward and general access to α -phthalimido- α -substituted propan-2-ones. <i>Tetrahedron Letters</i> , 2012, 53, 5106-5109.	0.7	10
86	Taking advantage of lithium monohalocarbenoid intrinsic α -elimination in 2-MeTHF: controlled epoxide ring-opening <i>en route</i> to halohydrins. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2038-2043.	1.5	10
87	Preparation of 2-Amino-4H-chromene Derivatives from Coumarins in Basic Media. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 746-751.	1.2	9
88	Chemoselective oxidative hydrolysis of EWG protected α -arylamino vinyl bromides to α -arylamino- α -bromoacetones. <i>Tetrahedron Letters</i> , 2013, 54, 4369-4372.	0.7	9
89	A practical guide for using lithium halocarbenoids in homologation reactions. <i>Monatshefte für Chemie</i> , 2018, 149, 1285-1291.	0.9	9
90	A Straightforward Homologation of Carbon Dioxide with Magnesium Carbenoids <i>en Route</i> to α -Halocarboxylic Acids. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1001-1006.	2.1	9

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91	Design, Synthesis, and Pharmacological Evaluation of Novel α_2/α_3 Subunit-Selective α_3 -Aminobutyric Acid Type A (GABA _A) Receptor Modulators. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 317-341.	2.9	9
92	Chemoenzymatic Synthesis of Carbohydrates as Antidiabetic and Anticancer Drugs. <i>Current Topics in Medicinal Chemistry</i> , 2015, 14, 2694-2711.	1.0	9
93	Novel Enantiopure Sigma Receptor Modulators: Quick (Semi-)Preparative Chiral Resolution via HPLC and Absolute Configuration Assignment. <i>Molecules</i> , 2016, 21, 1210.	1.7	8
94	Recent advances in the synthesis and reactivity of spiro-epoxyoxindoles. <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 389-393.	0.6	8

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109	Novel Dual Ligands Targeting Sigma1 Receptor and Acetylcholinesterase Endowed with Antioxidant Properties. Proceedings (mdpi), 2019, 22, .	0.2	0
110	Consecutive and Selective Double Methylene Insertion of Lithium Carbenoids to Isothiocyanates: A Direct Assembly of Four-membered Sulfur-containing Cycles. Angewandte Chemie, 0, , .	1.6	0