Vittorio Pace

List of Publications by Citations

111 papers	2,976 citations	33 h-index	50 g-index
150 ext. papers	3,471 ext. citations	5 avg, IF	5.7 L-index

#	Paper	IF	Citations
111	2-Methyltetrahydrofuran (2-MeTHF): a biomass-derived solvent with broad application in organic chemistry. *ChemSusChem*, **2012**, 5, 1369-79	8.3	405
110	Increasing the Reactivity of Amides towards Organometallic Reagents: An Overview. *Advanced Synthesis and Catalysis*, **2014**, 356, 3697-3736	5.6	168
109	Structures of Highly Twisted Amides Relevant to Amide N-C Cross-Coupling: Evidence for Ground-State Amide Destabilization. *Chemistry - A European Journal*, **2016**, 22, 14494-8	4.8	87
108	Exploiting a "Beast" in Carbenoid Chemistry: Development of a Straightforward Direct Nucleophilic Fluoromethylation Strategy. *Journal of the American Chemical Society*, **2017**, 139, 13648-13651	16.4	79
107	Cu(I)-NHC catalyzed asymmetric silyl transfer to unsaturated lactams and amides. *Organic Letters*, **2014**, 16, 476-9	6.2	78
106	Cyclopentyl Methyl Ether: An Elective Ecofriendly Ethereal Solvent in Classical and Modern Organic Chemistry. *ChemSusChem*, **2019**, 12, 40-70	8.3	73
105	Chemoselective Activation Strategies of Amidic Carbonyls towards Nucleophilic Reagents. *Australian Journal of Chemistry*, **2013**, 66, 507	1.2	72
104	Addition of lithium carbenoids to isocyanates: a direct access to synthetically useful N-substituted 2-haloacetamides. *Chemical Communications*, **2013**, 49, 8383-5	5.8	65
103	Dynamic Kinetic Resolution via Hydrolase-Metal Combo Catalysis in Stereoselective Synthesis of Bioactive Compounds. *Advanced Synthesis and Catalysis*, **2012**, 354, 2585-2611	5.6	63
102	2-Methyltetrahydrofuran as a suitable green solvent for phthalimide functionalization promoted by supported KF. *Green Chemistry*, **2010**, 12, 1380	10	56
101	Recent advancements on the use of 2-methyltetrahydrofuran in organometallic chemistry. *Monatshefte F□ Chemie*, **2017**, 148, 37-48	1.4	55
100	Improved Arndt-Eistert synthesis of alpha-diazoketones requiring minimal diazomethane in the presence of calcium oxide as acid scavenger. *Journal of Organic Chemistry*, **2010**, 75, 5760-3	4.2	54
99	NHC-Cu(I) catalysed asymmetric conjugate silyl transfer to unsaturated lactones: application in kinetic resolution. *Chemical Communications*, **2013**, 49, 5150-2	5.8	52
98	Chemoselective Schwartz Reagent Mediated Reduction of Isocyanates to Formamides. *Organic Letters*, **2016**, 18, 2750-3	6.2	52
97	Efficient Access to All-Carbon Quaternary and Tertiary □-Functionalized Homoallyl-type Aldehydes from Ketones. *Angewandte Chemie - International Edition*, **2017**, 56, 12677-12682	16.4	50
96	Highly regioselective control of 1,2-addition of organolithiums to □,□-unsaturated compounds promoted by lithium bromide in 2-methyltetrahydrofuran: a facile and eco-friendly access to allylic alcohols and amines. *Tetrahedron*, **2011**, 67, 2670-2675	2.4	49
95	Bromomethyllithium-mediated chemoselective homologation of disulfides to dithioacetals. *Chemical Communications*, **2016**, 52, 2639-42	5.8	47

94	Synthesis of β,γ-unsaturated α-haloketones through the chemoselective addition of halomethyllithiums to Weinreb amides. *Journal of Organic Chemistry*, **2013**, 78, 7764-70	4.2	45
93	Modular and Chemoselective Strategy for the Direct Access to α-Fluoroepoxides and Aziridines via the Addition of Fluoroiodomethyllithium to Carbonyl-Like Compounds. *Organic Letters*, **2019**, 21, 584-588	6.2	43
92	2-Methyltetrahydrofuran: A Versatile Eco-Friendly Alternative to THF in Organometallic Chemistry. *Australian Journal of Chemistry*, **2012**, 65, 301	1.2	42
91	Chemoselective Addition of Halomethyllithiums to Functionalized Isatins:A Straightforward Access to Spiro-Epoxyoxindoles. *Advanced Synthesis and Catalysis*, **2016**, 358, 172-177	5.6	40
90	Lithium Halomethylcarbenoids: Preparation and Use in the Homologation of Carbon Electrophiles. *Chemical Record*, **2016**, 16, 2061-76	6.6	39
89	Isocyanates and isothiocyanates as versatile platforms for accessing (thio)amide-type compounds. *Organic and Biomolecular Chemistry*, **2016**, 14, 7848-54	3.9	39
88	Evidence and isolation of tetrahedral intermediates formed upon the addition of lithium carbenoids to Weinreb amides and N-acylpyrroles. *Chemical Communications*, **2017**, 53, 9498-9501	5.8	39
87	New Perspectives in Lithium Carbenoid Mediated Homologations. *Synlett*, **2017**, 28, 879-888	2.2	38
86	Homologation of Isocyanates with Lithium Carbenoids: A Straightforward Access to α-Halomethyl- and α,α-Dihalomethylamides. *Synthesis*, **2014**, 46, 2897-2909	2.9	37
85	Effective monoallylation of anilines catalyzed by supported KF. *Organic Letters*, **2007**, 9, 2661-4	6.2	37
84	Telescoped, Divergent, Chemoselective C1 and C1-C1 Homologation of Imine Surrogates: Access to Quaternary Chloro- and Halomethyl-Trifluoromethyl Aziridines. *Angewandte Chemie - International Edition*, **2019**, 58, 2479-2484	16.4	37
83	Highly efficient chemoselective N-TBS protection of anilines under exceptional mild conditions in the eco-friendly solvent 2-methyltetrahydrofuran. *Green Chemistry*, **2011**, 13, 1986	10	35
82	Highly efficient synthesis of functionalized α-oxyketones via Weinreb amides homologation with α-oxygenated organolithiums. *Chemical Communications*, **2016**, 52, 7584-7	5.8	35
81	Homologation chemistry with nucleophilic α-substituted organometallic reagents: chemocontrol, new concepts and (solved) challenges. *Chemical Communications*, **2018**, 54, 6692-6704	5.8	35
80	A Robust, Eco-Friendly Access to Secondary Thioamides through the Addition of Organolithium Reagents to Isothiocyanates in Cyclopentyl Methyl Ether (CPME). *Chemistry - A European Journal*, **2015**, 21, 18966-70	4.8	34
79	Chemoselective Synthesis of N-Substituted α-Amino-β-chloro Ketones via Chloromethylation of Glycine-Derived Weinreb Amides. *Advanced Synthesis and Catalysis*, **2013**, 355, 919-926	5.6	33
78	Chemoselective efficient synthesis of functionalized α-oxonitriles through cyanomethylation of Weinreb amides. *Organic and Biomolecular Chemistry*, **2015**, 13, 1969-73	3.9	31
77	Direct and Chemoselective Synthesis of Tertiary Difluoroketones via Weinreb Amide Homologation with a CHF-Carbene Equivalent. *Organic Letters*, **2019**, 21, 8261-8265	6.2	30

76	Expeditious and Chemoselective Synthesis of β-Aryl and β-Alkyl Selenomethylketones via Homologation Chemistry. *Organic Letters*, **2018**, 20, 2685-2688	6.2	28
75	Efficient Horner–Wadsworth–Emmons intramolecular cyclisation of a N-substituted phthalimide promoted by KF-Alumina: a general tool for the synthesis of functionalised isoindolinones. *Tetrahedron Letters*, **2009**, 50, 3050-3053	2	27
74	Robust eco-friendly protocol for the preparation of β-hydroxy-β-acetylenic esters by sequential one-pot elimination–addition of 2-bromoacrylates to aldehydes promoted by LTMP in 2-MeTHF. *Green Chemistry*, **2012**, 14, 1859	10	26
73	Chemoselective Additions of Chloromethyllithium Carbenoid to Cyclic Enones: A Direct Access to Chloromethyl Allylic Alcohols. *Advanced Synthesis and Catalysis*, **2014**, 356, 1761-1766	5.6	25
72	Weinreb Amides as Privileged Acylating Agents for Accessing α-Substituted Ketones. *Synthesis*, **2019**, 51, 2792-2808	2.9	24
71	Expanding the Synthetic Portfolio of Organolithiums: Direct Use in Catalytic Cross-Coupling Reactions. *ChemCatChem*, **2014**, 6, 1516-1519	5.2	24
70	Biocatalyzed Synthesis of Statins: A Sustainable Strategy for the Preparation of Valuable Drugs. *Catalysts*, **2019**, 9, 260	4	23
69	Halomethyllithium Carbenoids: Versatile Reagents for the Homologation of Electrophilic Carbon Units. *Australian Journal of Chemistry*, **2014**, 67, 311	1.2	23
68	Chemoenzymatic synthesis of chiral unsymmetrical benzoin esters. *Tetrahedron*, **2011**, 67, 7321-7329	2.4	23
67	Highly Efficient Synthesis of New β-Arylamino-α-chloropropan-2-ones via Oxidative Hydrolysis of Vinyl Chlorides Promoted by Calcium Hypochlorite. *Advanced Synthesis and Catalysis*, **2009**, 351, 3199-3206	5.6	22
66	Palladium-Catalyzed Internal Nucleophile-Assisted Hydration-Olefin Insertion Cascade: Diastereoselective Synthesis of 2,3-Dihydro-1H-inden-1-ones. *Organic Letters*, **2016**, 18, 3442-5	6.2	21
65	Synthesis and biological evaluation of new aryl-alkyl(alkenyl)-4-benzylpiperidines, novel Sigma Receptor (SR) modulators, as potential anticancer-agents. *European Journal of Medicinal Chemistry*, **2016**, 124, 649-665	6.8	21
64	Highly efficient and environmentally benign preparation of Weinreb amides in the biphasic system 2-MeTHF/water. *RSC Advances*, **2013**, 3, 10158	3.7	20
63	Eco-friendly chemoselective N-functionalization of isatins mediated by supported KF in 2-MeTHF. *Green Chemistry*, **2015**, 17, 4194-4197	10	19
62	Efficient Access to All-Carbon Quaternary and Tertiary β-Functionalized Homoallyl-type Aldehydes from Ketones. *Angewandte Chemie*, **2017**, 129, 12851-12856	3.6	18
61	Merging lithium carbenoid homologation and enzymatic reduction: A combinative approach to the HIV-protease inhibitor Nelfinavir. *Tetrahedron*, **2018**, 74, 2211-2217	2.4	18
60	Highly chemoselective synthesis of aryl allylic sulfoxides through calcium hypobromite oxidation of aryl allylic sulfides. *Tetrahedron Letters*, **2012**, 53, 967-972	2	18
59	Chemoselective CaO-mediated acylation of alcohols and amines in 2-methyltetrahydrofuran. *ChemSusChem*, **2013**, 6, 905-10	8.3	16

58	Direct and Chemoselective Electrophilic Monofluoromethylation of Heteroatoms (-, , -, -, -) with Fluoroiodomethane. *Organic Letters*, **2020**, 22, 1345-1349	6.2	15
57	Substituted Sulfur Methyl Carbanions: Effective Homologating Agents for the Chemoselective Preparation of Oxo Thioethers from Weinreb Amides. *European Journal of Organic Chemistry*, **2018**, 2018, 2466-2470	3.2	15
56	Synthesis of 6,12-Epiminodibenzo[b,f][1,5]diazocines via an Ytterbium Triflate-Catalyzed, AB Three-Component Reaction. *Journal of Organic Chemistry*, **2016**, 81, 9687-9694	4.2	15
55	A greener and efficient access to substituted four- and six-membered sulfur-bearing heterocycles. *Organic and Biomolecular Chemistry*, **2017**, 15, 5000-5015	3.9	14
54	Chemoselective reduction of isothiocyanates to thioformamides mediated by the Schwartz reagent. *Organic and Biomolecular Chemistry*, **2019**, 17, 1970-1978	3.9	14
53	Structural bases for understanding the stereoselectivity in ketone reductions with ADH from Thermus thermophilus: A quantitative model. *Journal of Molecular Catalysis B: Enzymatic*, **2011**, 70, 23-31		14
52	Palladium-Catalyzed Regioselective Syn-Chloropalladation-Olefin Insertion-Oxidative Chlorination Cascade: Synthesis of Dichlorinated Tetrahydroquinolines. *Organic Letters*, **2019**, 21, 3465-3469	6.2	13
51	Homologation of halostannanes with carbenoids: a convenient and straightforward one-step access to Functionalized organotin reagents. *Chemical Communications*, **2018**, 54, 10112-10115	5.8	13
50	Highly efficient and chemoselective odination of acrylate esters through Morita-Baylis-Hillman-type chemistry. *Organic and Biomolecular Chemistry*, **2013**, 11, 1085-8	3.9	13
49	Highly chemoselective difluoromethylative homologation of iso(thio)cyanates: expeditious access to unprecedented difluoro(thio)amides. *Chemical Communications*, **2019**, 55, 12960-12963	5.8	13
48	Potassium-Exchanged Zirconium Hydrogen Phosphate [Zr(KPO4)2]-Catalyzed Synthesis of 2-Amino-4H-pyran Derivatives under Solvent-Free Conditions. *Synthesis*, **2016**, 48, 1533-1540	2.9	12
47	Direct Access to 9-Chloro-1-benzo[]furo[3,4-]azepin-1-ones via Palladium(II)-Catalyzed Intramolecular -Oxypalladation/Olefin Insertion/sp-C-H Bond Activation Cascade. *Organic Letters*, **2019**, 21, 5784-5788	6.2	12
46	Chemoselective Homologation-Deoxygenation Strategy Enabling the Direct Conversion of Carbonyls into ()-Halomethyl-Alkanes. *Organic Letters*, **2020**, 22, 7629-7634	6.2	12
45	Arylamino Diazoketones: Diazomethane-Loading Controlled Synthesis, Spectroscopic Investigations, and Structural X-ray Analysis. *Journal of Organic Chemistry*, **2018**, 83, 4336-4347	4.2	11
44	Fluoroiodomethane: A versatile CH2F Source. *Australian Journal of Chemistry*, **2018**, 71, 473	1.2	11
43	Sustainable Asymmetric Organolithium Chemistry: Enantio- and Chemoselective Acylations through Recycling of Solvent, Sparteine, and Weinreb "Amine". *ChemSusChem*, **2019**, 12, 1147-1154	8.3	11
42	Highly Regioselective and Efficient Synthesis of Aminoepoxides by Ring Closure of Aminohalohydrins Mediated by KF-Celite. *Synlett*, **2011**, 2011, 1831-1834	2.2	10
41	Identification of dual Sigma1 receptor modulators/acetylcholinesterase inhibitors with antioxidant and neurotrophic properties, as neuroprotective agents. *European Journal of Medicinal Chemistry*, **2018**, 158, 353-370	6.8	10

40	A straightforward and general access to -phthalimido-2-substituted propan-2-ones. *Tetrahedron Letters*, **2012**, 53, 5106-5109	2	9
39	-Amino--halomethylketones: synthetic methodologies and pharmaceutical applications as serine and cysteine protease inhibitors. *Mini-Reviews in Medicinal Chemistry*, **2013**, 13, 988-96	3.2	9
38	Chemoselective oxidative hydrolysis of EWG protected -arylamino vinyl bromides to -arylamino-2-bromoacetones. *Tetrahedron Letters*, **2013**, 54, 4369-4372	2	8
37	Halogen-Imparted Reactivity in Lithium Carbenoid Mediated Homologations of Imine Surrogates: Direct Assembly of bis-Trifluoromethyl-Diketiminates and the Dual Role of LiCHI. *Angewandte Chemie - International Edition*, **2020**, 59, 20852-20857	16.4	8
36	Preparation of 2-Amino-4H-chromene Derivatives from Coumarins in Basic Media. *European Journal of Organic Chemistry*, **2006**, 2006, 746-751	3.2	7
35	A Combination of Pharmacophore and Docking-based Virtual Screening to Discover new Tyrosinase Inhibitors. *Molecular Informatics*, **2020**, 39, e1900054	3.8	7
34	The synthetic versatility of the TiffeneauDemjanov chemistry in homologation tactics. *Monatshefte F Chemie*, **2019**, 150, 2011-2019	1.4	7
33	A Straightforward Homologation of Carbon Dioxide with Magnesium Carbenoids en Route to -Halocarboxylic Acids. *Advanced Synthesis and Catalysis*, **2019**, 361, 1001-1006	5.6	7
32	Carbenoid-Mediated Homologation Tactics for Assembling (Fluorinated) Epoxides and Aziridines. *Synlett*, **2021**, 32, 551-560	2.2	7
31	An unusual thionyl chloride-promoted C-C bond formation to obtain 4,4Sbipyrazolones. *Beilstein Journal of Organic Chemistry*, **2018**, 14, 1287-1292	2.5	6
30	Recent advances in the synthesis and reactivity of spiro-epoxyoxindoles. *Chemistry of Heterocyclic Compounds*, **2018**, 54, 389-393	1.4	6
29	Chemoenzymatic synthesis of carbohydrates as antidiabetic and anticancer drugs. *Current Topics in Medicinal Chemistry*, **2014**, 14, 2694-711	3	6
28	Straightforward chemoselective access to unsymmetrical dithioacetals through a thiosulfonate homologation-nucleophilic substitution sequence. *Chemical Communications*, **2020**, 56, 12395-12398	5.8	6
27	Synthesis of stable -fluoromethyl putative carbanions via a chemoselective reduction-monofluoromethylation sequence of diselenides under sustainable conditions. *Tetrahedron*, **2021**, 85, 131921	2.4	6
26	Novel Enantiopure Sigma Receptor Modulators: Quick (Semi-)Preparative Chiral Resolution via HPLC and Absolute Configuration Assignment. *Molecules*, **2016**, 21,	4.8	6
25	Design, Synthesis, and Pharmacological Evaluation of Novel 2/3 Subunit-Selective -Aminobutyric Acid Type A (GABA) Receptor Modulators. *Journal of Medicinal Chemistry*, **2019**, 62, 317-341	8.3	6
24	Pseudo-Dipeptide Bearing -Difluoromethyl Ketone Moiety as Electrophilic Warhead with Activity against Coronaviruses. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	6
23	O NMR and N NMR chemical shifts of sterically-hindered amides: ground-state destabilization in amide electrophilicity. *Chemical Communications*, **2019**, 55, 4423-4426	5.8	5

22	Biocatalyzed On Water Synthesis of Chiral Building Blocks for the Preparation of Anti-Cancer Drugs: a GreenerApproach. *Current Organic Chemistry*, **2013**, 17, 1132-1157	1.7	5
21	Electrophilicity Scale of Activated Amides: O NMR and N NMR Chemical Shifts of Acyclic Twisted Amides in N-C(O) Cross-Coupling. *Chemistry - A European Journal*, **2020**, 26, 16246-16250	4.8	5
20	Taking advantage of lithium monohalocarbenoid intrinsic elimination in 2-MeTHF: controlled epoxide ring-opening to halohydrins. *Organic and Biomolecular Chemistry*, **2021**, 19, 2038-2043	3.9	5
19	Synthesis of tetrasubstituted pyrazoles containing pyridinyl substituents. *Beilstein Journal of Organic Chemistry*, **2017**, 13, 895-902	2.5	4
18	A practical guide for using lithium halocarbenoids in homologation reactions. *Monatshefte F Chemie*, **2018**, 149, 1285-1291	1.4	4
17	Modular and Chemoselective Strategy for Accessing (Distinct) Dihaloketones from Weinreb Amides and Dihalomethyllithiums. *Advanced Synthesis and Catalysis*, **2020**, 362, 5056-5061	5.6	4
16	Diethylaluminium Azide: A Versatile Reagent in Organic Synthesis. *Australian Journal of Chemistry*, **2015**, 68, 703	1.2	3
15	Halogen-Imparted Reactivity in Lithium Carbenoid Mediated Homologations of Imine Surrogates: Direct Assembly of bis-Trifluoromethyl-Diketiminates and the Dual Role of LiCH2I. *Angewandte Chemie*, **2020**, 132, 21038-21043	3.6	3
14	Consecutive and Selective Double Methylene Insertion of Lithium Carbenoids to Isothiocyanates: A Direct Assembly of Four-Membered Sulfur-Containing Cycles. *Angewandte Chemie - International Edition*, **2021**, 60, 24854-24858	16.4	3
13	Straightforward and direct access to seleno- amines and sulfonylamides via the controlled addition of phenylselenomethyllithium (LiCH2SePh) to imines. *Tetrahedron*, **2020**, 76, 131220	2.4	2
12	1,3-Dichloroacetone. *Synlett*, **2010**, 2010, 2825-2826	2.2	2
11	Consecutive C1-Homologation / Displacement Strategy for Converting Thiosulfonates into O,S-Oxothioacetals. *Advanced Synthesis and Catalysis*, **2020**, 362, 5444-5449	5.6	2
10	The use of the Comins-Meyers Amide in Synthetic Chemistry: An Overview. *Natural Product Communications*, **2016**, 11, 1934578X1601101	0.9	2
9	Dynamic Kinetic Resolution via Hydrolase Metal Combo Catalysis **2016**, 373-396		2
8	(Difluoromethyl)trimethylsilane (TMSCHF2): A Useful Difluoromethylating Nucleophilic Source. *Australian Journal of Chemistry*, **2021**, 74, 623	1.2	2
7	Easy as one, two, three. *Nature Chemistry*, **2018**, 10, 1081-1082	17.6	2
6	2-Methyltetrahydrofuran **2014**, 1-6		1
5	Direct and straightforward transfer of C1 functionalized synthons to phosphorous electrophiles for accessing gem-P-containing methanes. *Organic and Biomolecular Chemistry*, **2021**, 19, 2425-2429	3.9	0

4	Novel Dual Ligands Targeting Sigma1 Receptor and Acetylcholinesterase Endowed with Antioxidant Properties. *Proceedings (mdpi)*, **2019**, 22, 49	0.3
3	(Difluoromethyl)trimethylsilane (TMSCHF2)1-17	
2	Telescoped, Divergent, Chemoselective C1 and C1-C1 Homologation of Imine Surrogates: Access to Quaternary Chloro- and Halomethyl-Trifluoromethyl Aziridines. *Angewandte Chemie*, **2018**, 131, 2501	3.6
1	Consecutive and Selective Double Methylene Insertion of Lithium Carbenoids to Isothiocyanates: A Direct Assembly of Four-membered Sulfur-Containing Cycles. *Angewandte Chemie*,	3.6