Vittorio Pace

List of Publications by Year
in descending order

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110 papers	3,963 citations	101496 36 h-index	138417 58 g-index
150 all docs	150 docs citations	150 times ranked	2843 citing authors

#	Article	IF	Citations
1	2â€MethyltetrahydrofuranÂ (2â€MeTHF): A Biomassâ€Derived Solvent with Broad Application in Organic Chemistry. ChemSusChem, 2012, 5, 1369-1379.	3.6	520
2	Increasing the Reactivity of Amides towards Organometallic Reagents: An Overview. Advanced Synthesis and Catalysis, 2014, 356, 3697-3736.	2.1	207
3	Exploiting a â€œBeastâ€•in Carbenoid Chemistry: Development of a Straightforward Direct Nucleophilic Fluoromethylation Strategy. Journal of the American Chemical Society, 2017, 139, 13648-13651.	6.6	104
4	Cyclopentyl Methyl Ether: An Elective Ecofriendly Ethereal Solvent in Classical and Modern Organic Chemistry. ChemSusChem, 2019, 12, 40-70.	3.6	100
5	Structures of Highly Twisted Amides Relevant to Amide Nâ^'C CrossâCoupling: Evidence for GroundâState Amide Destabilization. Chemistry - A European Journal, 2016, 22, 14494-14498.	1.7	94
6	Cu(I)â€“NHC Catalyzed Asymmetric Silyl Transfer to Unsaturated Lactams and Amides. Organic Letters, 2014, 16, 476-479.	2.4	90
7	Addition of lithium carbenoids to isocyanates: a direct access to synthetically useful N-substituted 2-haloacetamides. Chemical Communications, 2013, 49, 8383.	2.2	85
8	Recent advancements on the use of 2-methyltetrahydrofuran in organometallic chemistry. Monatshefte FÃ¼r Chemie, 2017, 148, 37-48.	0.9	84
9	Chemoselective Activation Strategies of Amidic Carbonyls towards Nucleophilic Reagents. Australian Journal of Chemistry, 2013, 66, 507.	0.5	78
10	Dynamic Kinetic Resolution via HydrolaseâMetal Combo Catalysis in Stereoselective Synthesis of Bioactive Compounds. Advanced Synthesis and Catalysis, 2012, 354, 2585-2611.	2.1	76
11	Efficient Access to AllâCarbon Quaternary and Tertiary Î±â€Functionalized Homoallylâ€type Aldehydes from Ketones. Angewandte Chemie - International Edition, 2017, 56, 12677-12682.	7.2	71
12	Chemoselective Schwartz Reagent Mediated Reduction of Isocyanates to Formamides. Organic Letters, 2016, 18, 2750-2753.	2.4	70
13	2-Methyltetrahydrofuran as a suitable green solvent for phthalimide functionalization promoted by supported KF. Green Chemistry, 2010, 12, 1380.	4.6	68
14	Improved Arndtâ^'Eistert Synthesis of Î±-Diazoketones Requiring Minimal Diazomethane in the Presence of Calcium Oxide as Acid Scavenger. Journal of Organic Chemistry, 2010, 75, 5760-5763.	1.7	65
15	Modular and Chemoselective Strategy for the Direct Access to Î±-Fluoroepoxides and Aziridines via the Addition of Fluoroiodomethyllithium to Carbonyl-Like Compounds. Organic Letters, 2019, 21, 584-588.	2.4	65
16	Telescoped, Divergent, Chemoselective C1 and C1â€C1 Homologation of Imine Surrogates: Access to Quaternary Chloroâ€•and Halomethylâ€Trifluoromethyl Aziridines. Angewandte Chemie - International Edition, 2019, 58, 2479-2484.	7.2	64
17	Bromomethyllithium-mediated chemoselective homologation of disulfides to dithioacetals. Chemical Communications, 2016, 52, 2639-2642.	2.2	59
18	NHCâ€“Cu(i) catalysed asymmetric conjugate silyl transfer to unsaturated lactones: application in kinetic resolution. Chemical Communications, 2013, 49, 5150.	2.2	58

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19	Homologation chemistry with nucleophilic Î±-substituted organometallic reagents: chemocontrol, new concepts and (solved) challenges. Chemical Communications, 2018, 54, 6692-6704.	2.2	58
20	Synthesis of Î±,Î²-Unsaturated Î±â€²-Haloketones through the Chemoselective Addition of Halomethyllithiums to Weinreb Amides. Journal of Organic Chemistry, 2013, 78, 7764-7770.	1.7	57
21	Lithium Halomethylcarbenoids: Preparation and Use in the Homologation of Carbon Electrophiles. Chemical Record, 2016, 16, 2061-2076.	2.9	55
22	Isocyanates and isothiocyanates as versatile platforms for accessing (thio)amide-type compounds. Organic and Biomolecular Chemistry, 2016, 14, 7848-7854.	1.5	55
23	Direct and Chemoselective Synthesis of Tertiary Difluoroketones via Weinreb Amide Homologation with a CHF₂-Carbene Equivalent. Organic Letters, 2019, 21, 8261-8265.	2.4	53
24	Highly regioselective control of 1,2-addition of organolithiums to Î±,Î²-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.	1.0	52
25	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.	2.2	52
26	Chemoselective Addition of Halomethyllithiums to Functionalized Isatins:A Straightforward Access to Spiroâ€Epoxyoxindoles. Advanced Synthesis and Catalysis, 2016, 358, 172-177.	2.1	47
27	2-Methyltetrahydrofuran: A Versatile Eco-Friendly Alternative to THF in Organometallic Chemistry. Australian Journal of Chemistry, 2012, 65, 301.	0.5	46
28	Effective Monoallylation of Anilines Catalyzed by Supported KF. Organic Letters, 2007, 9, 2661-2664.	2.4	45
29	Homologation of Isocyanates with Lithium Carbenoids: A Straightforward Access to Î±-Halomethyl- and Î±,Î±-Dihalomethylamides. Synthesis, 2014, 46, 2897-2909.	1.2	45
30	New Perspectives in Lithium Carbenoid Mediated Homologations. Synlett, 2017, 28, 879-888.	1.0	45
31	Highly efficient synthesis of functionalized Î±-oxyketones via Weinreb amides homologation with Î±-oxygenated organolithiums. Chemical Communications, 2016, 52, 7584-7587.	2.2	44
32	Chemoselective Synthesis of Nâ€Substituted Î±â€Aminoâ€Î±â€²â€chloro Ketones via Chloromethylation of Glycineâ€Derived Weinreb Amides. Advanced Synthesis and Catalysis, 2013, 355, 919-926.	2.1	41
33	Chemoselective efficient synthesis of functionalized Î²-oxonitriles through cyanomethylation of Weinreb amides. Organic and Biomolecular Chemistry, 2015, 13, 1969-1973.	1.5	41
34	Expeditious and Chemoselective Synthesis of Î±-Aryl and Î±-Alkyl Selenomethylketones via Homologation Chemistry. Organic Letters, 2018, 20, 2685-2688.	2.4	39
35	Weinreb Amides as Privileged Acylating Agents for Accessing Î±-Substituted Ketones. Synthesis, 2019, 51, 2792-2808.	1.2	39
36	A Robust, Ecoâ€Friendly Access to Secondary Thioamides through the Addition of Organolithium Reagents to Isothiocyanates in Cyclopentyl Methyl Ether (CPME). Chemistry - A European Journal, 2015, 21, 18966-18970.	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. Green Chemistry, 2011, 13, 1986.	4.6	37
38	Biocatalyzed Synthesis of Statins: A Sustainable Strategy for the Preparation of Valuable Drugs. Catalysts, 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. European Journal of Medicinal Chemistry, 2016, 124, 649-665.	2.6	32
40	Direct and Chemoselective Electrophilic Monofluoromethylation of Heteroatoms (O-, S-,) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.4	32
41	Efficient Hornerâ€“Wadsworthâ€“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.	0.7	30
42	Robust eco-friendly protocol for the preparation of Î³-hydroxy-Î±,Î²-acetylenic esters by sequential one-pot eliminationâ€“addition of 2-bromoacrylates to aldehydes promoted by LTMP in 2-MeTHF. Green Chemistry, 2012, 14, 1859.	4.6	30
43	Expanding the Synthetic Portfolio of Organolithiums: Direct Use in Catalytic Crossâ€Coupling Reactions. ChemCatChem, 2014, 6, 1516-1519.	1.8	30
44	Chemoselective Additions of Chloromethyllithium Carbenoid to Cyclic Enones: A Direct Access to Chloromethyl Allylic Alcohols. Advanced Synthesis and Catalysis, 2014, 356, 1761-1766.	2.1	30
45	Palladium-Catalyzed Internal Nucleophile-Assisted Hydrationâ€“Olefin Insertion Cascade: Diastereoselective Synthesis of 2,3-Dihydro-1H-inden-1-ones. Organic Letters, 2016, 18, 3442-3445.	2.4	29
46	Chemoenzymatic synthesis of chiral unsymmetrical benzoin esters. Tetrahedron, 2011, 67, 7321-7329.	1.0	26
47	Halomethyllithium Carbenoids: Versatile Reagents for the Homologation of Electrophilic Carbon Units. Australian Journal of Chemistry, 2014, 67, 311.	0.5	26
48	Highly Efficient Synthesis of New Î±â€Arylaminoâ€Î±â€²â€chloropropanâ€2â€ones via Oxidative Hydrolysis of Vinyl Chlorides Promoted by Calcium Hypochlorite. Advanced Synthesis and Catalysis, 2009, 351, 3199-3206.	2.1	25
49	Chemoselective reduction of isothiocyanates to thioformamides mediated by the Schwartz reagent. Organic and Biomolecular Chemistry, 2019, 17, 1970-1978.	1.5	25
50	Pseudo-Dipeptide Bearing Î±,Î±-Difluoromethyl Ketone Moiety as Electrophilic Warhead with Activity against Coronaviruses. International Journal of Molecular Sciences, 2021, 22, 1398.	1.8	25
51	Highly chemoselective difluoromethylative homologation of iso(thio)cyanates: expeditious access to unprecedented Î±,Î±-difluoro(thio)amides. Chemical Communications, 2019, 55, 12960-12963.	2.2	24
52	Efficient Access to Allâ€Carbon Quaternary and Tertiary Î±â€Functionalized Homoallylâ€type Aldehydes from Ketones. Angewandte Chemie, 2017, 129, 12851-12856.	1.6	23
53	Sustainable Asymmetric Organolithium Chemistry: Enantioâ€and Chemoselective Acylations through Recycling of Solvent, Sparteine, and Weinreb â€œAmineâ€. ChemSusChem, 2019, 12, 1147-1154.	3.6	23
54	Chemoselective Homologationâ€“Deoxygenation Strategy Enabling the Direct Conversion of Carbonyls into (n+1)-Halomethyl-Alkanes. Organic Letters, 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. RSC Advances, 2013, 3, 10158.	1.7	22
56	Eco-friendly chemoselective N-functionalization of isatins mediated by supported KF in 2-MeTHF. Green Chemistry, 2015, 17, 4194-4197.	4.6	22
57	Direct Access to 9-Chloro-1H-benzo[b]furo[3,4-e]azepin-1-ones via Palladium(II)-Catalyzed Intramolecular syn-Oxypalladation/Olefin Insertion/sp²-Câ€“H Bond Activation Cascade. Organic Letters, 2019, 21, 5784-5788.	2.4	22
58	A greener and efficient access to substituted four- and six-membered sulfur-bearing heterocycles. Organic and Biomolecular Chemistry, 2017, 15, 5000-5015.	1.5	21
59	Merging lithium carbenoid homologation and enzymatic reduction: A combinative approach to the HIV-protease inhibitor Nelfinavir. Tetrahedron, 2018, 74, 2211-2217.	1.0	21
60	Palladium-Catalyzed Regioselective Syn-Chloropalladationâ€“Olefin Insertionâ€“Oxidative Chlorination Cascade: Synthesis of Dichlorinated Tetrahydroquinolines. Organic Letters, 2019, 21, 3465-3469.	2.4	21
61	Highly chemoselective synthesis of aryl allylic sulfoxides through calcium hypobromite oxidation of aryl allylic sulfides. Tetrahedron Letters, 2012, 53, 967-972.	0.7	20
62	Consecutive and Selective Double Methylene Insertion of Lithium Carbenoids to Isothiocyanates: A Direct Assembly of Fourâ€Membered Sulfurâ€Containing Cycles. Angewandte Chemie - International Edition, 2021, 60, 24854-24858.	7.2	20
63	Synthesis of 6,12-Epiminodibenzo[b,f][1,5]diazocines via an Ytterbium Triflate-Catalyzed, AB₂ Three-Component Reaction. Journal of Organic Chemistry, 2016, 81, 9687-9694.	1.7	19
64	Substituted Î±â€Sulfur Methyl Carbanions: Effective Homologating Agents for the Chemoselective Preparation of Î²â€Oxo Thioethers from Weinreb Amides. European Journal of Organic Chemistry, 2018, 2018, 2466-2470.	1.2	19
65	Chemoselective CaOâ€Mediated Acylation of Alcohols and Amines in 2â€Methyltetrahydrofuran. ChemSusChem, 2013, 6, 905-910.	3.6	18
66	Homologation of halostannanes with carbenoids: a convenient and straightforward one-step access to Î±-functionalized organotin reagents. Chemical Communications, 2018, 54, 10112-10115.	2.2	18
67	Halogenâ€Imparted Reactivity in Lithium Carbenoid Mediated Homologations of Imine Surrogates: Direct Assembly of bisâ€Trifluoromethylâ€Î²â€Diketiminates and the Dual Role of LiCH 2 I. Angewandte Chemie - International Edition, 2020, 59, 20852-20857.	7.2	17
68	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.	1.8	16
69	Highly efficient and chemoselective Î±-iodination of acrylate esters through Moritaâ€“Baylisâ€“Hillman-type chemistry. Organic and Biomolecular Chemistry, 2013, 11, 1085.	1.5	16
70	Potassium-Exchanged Zirconium Hydrogen Phosphate [Î±-Zr(KPO4)2]-Catalyzed Synthesis of 2-Amino-4H-pyran Derivatives under Solvent-Free Conditions. Synthesis, 2016, 48, 1533-1540.	1.2	16
71	Carbenoid-Mediated Homologation Tactics for Assembling (Fluorinated) Epoxides and Aziridines. Synlett, 2021, 32, 551-560.	1.0	16
72	Telescoped, Divergent, Chemoselective C1 and C1â€C1 Homologation of Imines Surrogates: A Straightforward Access to Quaternary Chloroâ€and Halomethylâ€trifluoromethylâ€aziridines. Angewandte Chemie, 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. European Journal of Medicinal Chemistry, 2018, 158, 353-370.	2.6	14
74	Fluoroiodomethane: A versatile CH2F Source. Australian Journal of Chemistry, 2018, 71, 473.	0.5	14
75	A Combination of Pharmacophore and Dockingâ€based Virtual Screening to Discover new Tyrosinase Inhibitors. Molecular Informatics, 2020, 39, e1900054.	1.4	14
76	Straightforward chemoselective access to unsymmetrical dithioacetals through a thiosulfonate homologation-nucleophilic substitution sequence. Chemical Communications, 2020, 56, 12395-12398.	2.2	14
77	Modular and Chemoselective Strategy for Accessing (Distinct) Î±,Î±â€Dihaloketones from Weinreb Amides and Dihalomethyllithiums. Advanced Synthesis and Catalysis, 2020, 362, 5056-5061.	2.1	14
78	Î±-Arylamino Diazoketones: Diazomethane-Loading Controlled Synthesis, Spectroscopic Investigations, and Structural X-ray Analysis. Journal of Organic Chemistry, 2018, 83, 4336-4347.	1.7	13
79	Electrophilicity Scale of Activated Amides: 17 Oâ€...NMR and 15 Nâ€...NMR Chemical Shifts of Acyclic Twisted Amides in Nâ^'C(O) Crossâ€Coupling. Chemistry - A European Journal, 2020, 26, 16246-16250.	1.7	13
80	¹⁷O NMR and¹⁵N NMR chemical shifts of sterically-hindered amides: ground-state destabilization in amide electrophilicity. Chemical Communications, 2019, 55, 4423-4426.	2.2	12
81	The synthetic versatility of the Tiffeneauâ€“Demjanov chemistry in homologation tactics. Monatshefte FÃ¼r Chemie, 2019, 150, 2011-2019.	0.9	12
82	α-Amino-αÂ´-Halomethylketones: Synthetic Methodologies and Pharmaceutical Applications as Serine and Cysteine Protease Inhibitors. Mini-Reviews in Medicinal Chemistry, 2013, 13, 988-996.	1.1	12
83	Highly Regioselective and Efficient Synthesis of Aminoepoxides by Ring Closure of Aminohalohydrins Mediated by KF-Celite. Synlett, 2011, 2011, 1831-1834.	1.0	11
84	Synthesis of stable Î±-fluoromethyl putative carbanions via a chemoselective reduction-monofluoromethylation sequence of diselenides under sustainable conditions. Tetrahedron, 2021, 85, 131921.	1.0	11
85	A straightforward and general access to Î±-phthalimido-Î±â€²-substituted propan-2-ones. Tetrahedron Letters, 2012, 53, 5106-5109.	0.7	10
86	Taking advantage of lithium monohalocarbenoid intrinsic Î±-elimination in 2-MeTHF: controlled epoxide ring-opening en route to halohydrins. Organic and Biomolecular Chemistry, 2021, 19, 2038-2043.	1.5	10
87	Preparation of 2-Amino-4H-chromene Derivatives from Coumarins in Basic Media. European Journal of Organic Chemistry, 2006, 2006, 746-751.	1.2	9
88	Chemoselective oxidative hydrolysis of EWG protected Î±-arylamino vinyl bromides to Î±-arylamino-Î±â€²-bromoacetones. Tetrahedron Letters, 2013, 54, 4369-4372.	0.7	9
89	A practical guide for using lithium halocarbenoids in homologation reactions. Monatshefte FÃ¼r Chemie, 2018, 149, 1285-1291.	0.9	9
90	A Straightforward Homologation of Carbon Dioxide with Magnesium Carbenoids en Route to Î±â€Halocarboxylic Acids. Advanced Synthesis and Catalysis, 2019, 361, 1001-1006.	2.1	9

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91	Design, Synthesis, and Pharmacological Evaluation of Novel Î²2/3 Subunit-Selective Î³-Aminobutyric Acid Type A (GABA_A) Receptor Modulators. Journal of Medicinal Chemistry, 2019, 62, 317-341.	2.9	9
92	Chemoenzymatic Synthesis of Carbohydrates as Antidiabetic and Anticancer Drugs. Current Topics in Medicinal Chemistry, 2015, 14, 2694-2711.	1.0	9
93	Novel Enantiopure Sigma Receptor Modulators: Quick (Semi-)Preparative Chiral Resolution via HPLC and Absolute Configuration Assignment. Molecules, 2016, 21, 1210.	1.7	8
94	Recent advances in the synthesis and reactivity of spiro-epoxyoxindoles. Chemistry of Heterocyclic Compounds, 2018, 54, 389-393.	0.6	8
95			

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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 Fourâ€membered Sulfurâ€Containing Cycles. Angewandte Chemie, 0, , .	1.6	0