

# Vittorio Pace

## List of Publications by Year in descending order

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110  
papers

3,963  
citations

101384

36  
h-index

143772

57  
g-index

150  
all docs

150  
docs citations

150  
times ranked

2843  
citing authors

#	ARTICLE	IF	CITATIONS
1	Straightforward synthesis of bench-stable heteroatom-centered difluoromethylated entities via controlled nucleophilic transfer from activated TMSCHF <sub>2</sub> . Chemical Communications, 2022, 58, 5761-5764.	2.2	4

2	Carbenoid-Mediated Homologation Tactics for Assembling (Fluorinated) Epoxides and Aziridines. Synlett, 2021, 32, 551-560.	1.0	16
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#	ARTICLE	IF	CITATIONS
19	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/ <sup>2</sup> -C-H Bond Activation Cascade. <i>Organic Letters</i> , 2019, 21, 5784-5788.	2.4	22
20	Direct and Chemoselective Synthesis of Tertiary Difluoroketones via Weinreb Amide Homologation with a CHF <sub>2</sub> -Carbene Equivalent. <i>Organic Letters</i> , 2019, 21, 8261-8265.	2.4	53
21	Novel Dual Ligands Targeting Sigma1 Receptor and Acetylcholinesterase Endowed with Antioxidant Properties. <i>Proceedings (mdpi)</i> , 2019, 22, .	0.2	0
22	Chemoselective reduction of isothiocyanates to thioformamides mediated by the Schwartz reagent. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1970-1978.	1.5	25
23	Weinreb Amides as Privileged Acylating Agents for Accessing $\beta$ -Substituted Ketones. <i>Synthesis</i> , 2019, 51, 2792-2808.	1.2	39
24	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
25	<sup>17</sup> O NMR and <sup>15</sup> 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
26	Biocatalyzed Synthesis of Statins: A Sustainable Strategy for the Preparation of Valuable Drugs. <i>Catalysts</i> , 2019, 9, 260.	1.6	36
27	The synthetic versatility of the Tiffeneau-Demjanov chemistry in homologation tactics. <i>Monatshefte für Chemie</i> , 2019, 150, 2011-2019.	0.9	12
28	Highly chemoselective difluoromethylative homologation of iso(thio)cyanates: expeditious access to unprecedented $\beta,\beta$ -difluoro(thio)amides. <i>Chemical Communications</i> , 2019, 55, 12960-12963.	2.2	24
29	A Straightforward Homologation of Carbon Dioxide with Magnesium Carbenoids en Route to $\beta$ -Halocarboxylic Acids. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1001-1006.	2.1	9
30	Modular and Chemoselective Strategy for the Direct Access to $\beta$ -Fluoroepoxides and Aziridines via the Addition of Fluoroiodomethylithium to Carbonyl-Like Compounds. <i>Organic Letters</i> , 2019, 21, 584-588.	2.4	65
31	Sustainable Asymmetric Organolithium Chemistry: Enantio- and Chemoselective Acylations through Recycling of Solvent, Sparteine, and Weinreb Amine. <i>ChemSusChem</i> , 2019, 12, 1147-1154.	3.6	23
32	Telescoped, Divergent, Chemoselective C1 and C1-C1 Homologation of Imine Surrogates: Access to Quaternary Chloro- and Halomethyl-trifluoromethyl Aziridines. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2479-2484.	7.2	64
33	Cyclopentyl Methyl Ether: An Elective Ecofriendly Ethereal Solvent in Classical and Modern Organic Chemistry. <i>ChemSusChem</i> , 2019, 12, 40-70.	3.6	100
34	Design, Synthesis, and Pharmacological Evaluation of Novel $\beta$ / $\gamma$ Subunit-Selective $\beta$ -Aminobutyric Acid Type A (GABA <sub>A</sub> ) Receptor Modulators. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 317-341.	2.9	9
35	Substituted $\beta$ -Sulfur Methyl Carbanions: Effective Homologating Agents for the Chemoselective Preparation of $\beta$ -Oxo Thioethers from Weinreb Amides. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2466-2470.	1.2	19
36	Expeditious and Chemoselective Synthesis of $\beta$ -Aryl and $\beta$ -Alkyl Selenomethylketones via Homologation Chemistry. <i>Organic Letters</i> , 2018, 20, 2685-2688.	2.4	39

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37	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
38	$\hat{\alpha}$ -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
39	Telescoped, Divergent, Chemoselective C1 and C1 $\rightarrow$ C1 Homologation of Imines Surrogates: A Straightforward Access to Quaternary Chloro- and Halomethyl- and trifluoromethyl-aziridines. <i>Angewandte Chemie</i> , 2018, 131, 2501.	1.6	14
40	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
41	Easy as one, two, three. <i>Nature Chemistry</i> , 2018, 10, 1081-1082.	6.6	2
42	Homologation chemistry with nucleophilic $\hat{\alpha}$ -substituted organometallic reagents: chemocontrol, new concepts and (solved) challenges. <i>Chemical Communications</i> , 2018, 54, 6692-6704.	2.2	58
43	Selected papers on medicinal chemistry. <i>Monatshefte für Chemie</i> , 2018, 149, 1189-1189.	0.9	0
44	Fluoroiodomethane: A versatile CH <sub>2</sub> F Source. <i>Australian Journal of Chemistry</i> , 2018, 71, 473.	0.5	14
45	An unusual thionyl chloride-promoted C $\rightarrow$ C bond formation to obtain 4,4'-bipyrazolones. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1287-1292.	1.3	7
46	Homologation of halostannanes with carbenoids: a convenient and straightforward one-step access to $\hat{\alpha}$ -functionalized organotin reagents. <i>Chemical Communications</i> , 2018, 54, 10112-10115.	2.2	18
47	Recent advances in the synthesis and reactivity of spiro-epoxyoxindoles. <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 389-393.	0.6	8
48	A practical guide for using lithium halocarbenoids in homologation reactions. <i>Monatshefte für Chemie</i> , 2018, 149, 1285-1291.	0.9	9
49	New Perspectives in Lithium Carbenoid Mediated Homologations. <i>Synlett</i> , 2017, 28, 879-888.	1.0	45
50	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
51	Recent advancements on the use of 2-methyltetrahydrofuran in organometallic chemistry. <i>Monatshefte für Chemie</i> , 2017, 148, 37-48.	0.9	84
52	Efficient Access to All-Carbon Quaternary and Tertiary $\hat{\alpha}$ -Functionalized Homoallyl-type Aldehydes from Ketones. <i>Angewandte Chemie</i> , 2017, 129, 12851-12856.	1.6	23
53	Exploiting a "Beast" 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
54	Efficient Access to All-Carbon Quaternary and Tertiary $\hat{\alpha}$ -Functionalized Homoallyl-type Aldehydes from Ketones. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12677-12682.	7.2	71

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55	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
56	Synthesis of tetrasubstituted pyrazoles containing pyridinyl substituents. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 895-902.	1.3	5
57	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
58	The use of the Comins-Meyers Amide in Synthetic Chemistry: An Overview. <i>Natural Product Communications</i> , 2016, 11, 1934578X1601101.	0.2	4
59	Chemoselective Addition of Halomethylolithiums to Functionalized Isatins: A Straightforward Access to Spiro-Epoxyindoles. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 172-177.	2.1	47
60	Chemoselective Schwartz Reagent Mediated Reduction of Isocyanates to Formamides. <i>Organic Letters</i> , 2016, 18, 2750-2753.	2.4	70
61	Highly efficient synthesis of functionalized $\hat{\pm}$ -oxyketones via Weinreb amides homologation with $\hat{\pm}$ -oxygenated organolithiums. <i>Chemical Communications</i> , 2016, 52, 7584-7587.	2.2	44
62	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
63	Synthesis of 6,12-Epiminodibenzo[ <i>b</i> , <i>f</i> ][1,5]diazocines via an Ytterbium Triflate-Catalyzed, AB <sub>2</sub> Three-Component Reaction. <i>Journal of Organic Chemistry</i> , 2016, 81, 9687-9694.	1.7	19
64	Lithium Halomethylcarbenoids: Preparation and Use in the Homologation of Carbon Electrophiles. <i>Chemical Record</i> , 2016, 16, 2061-2076.	2.9	55
65	Structures of Highly Twisted Amides Relevant to Amide N <sup>13</sup> C Cross-Coupling: Evidence for Ground-State Amide Destabilization. <i>Chemistry - A European Journal</i> , 2016, 22, 14494-14498.	1.7	94
66	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
67	Palladium-Catalyzed Internal Nucleophile-Assisted Hydration-Olefin Insertion Cascade: Diastereoselective Synthesis of 2,3-Dihydro-1 <i>H</i> -inden-1-ones. <i>Organic Letters</i> , 2016, 18, 3442-3445.	2.4	29
68	Potassium-Exchanged Zirconium Hydrogen Phosphate [ $\hat{\pm}$ -Zr(KPO <sub>4</sub> ) <sub>2</sub> ]-Catalyzed Synthesis of 2-Amino-4 <i>H</i> -pyran Derivatives under Solvent-Free Conditions. <i>Synthesis</i> , 2016, 48, 1533-1540.	1.2	16
69	Bromomethylolithium-mediated chemoselective homologation of disulfides to dithioacetals. <i>Chemical Communications</i> , 2016, 52, 2639-2642.	2.2	59
70	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
71	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
72	Diethylaluminium Azide: A Versatile Reagent in Organic Synthesis. <i>Australian Journal of Chemistry</i> , 2015, 68, 703.	0.5	3

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73	Chemoselective efficient synthesis of functionalized $\beta$ -oxonitriles through cyanomethylation of Weinreb amides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1969-1973.	1.5	41
74	Chemoenzymatic Synthesis of Carbohydrates as Antidiabetic and Anticancer Drugs. <i>Current Topics in Medicinal Chemistry</i> , 2015, 14, 2694-2711.	1.0	9
75	Homologation of Isocyanates with Lithium Carbenoids: A Straightforward Access to $\alpha$ -Halomethyl- and $\alpha,\alpha$ -Dihalomethylamides. <i>Synthesis</i> , 2014, 46, 2897-2909.	1.2	45
76	Increasing the Reactivity of Amides towards Organometallic Reagents: An Overview. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 3697-3736.	2.1	207
77	Expanding the Synthetic Portfolio of Organolithiums: Direct Use in Catalytic Cross-Coupling Reactions. <i>ChemCatChem</i> , 2014, 6, 1516-1519.	1.8	30
78	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
79	Cu(I)-NHC Catalyzed Asymmetric Silyl Transfer to Unsaturated Lactams and Amides. <i>Organic Letters</i> , 2014, 16, 476-479.	2.4	90
80	Halomethylithium Carbenoids: Versatile Reagents for the Homologation of Electrophilic Carbon Units. <i>Australian Journal of Chemistry</i> , 2014, 67, 311.	0.5	26
81	Synthesis of $\alpha,\beta$ -Unsaturated $\alpha$ -Haloketones through the Chemoselective Addition of Halomethylithiums to Weinreb Amides. <i>Journal of Organic Chemistry</i> , 2013, 78, 7764-7770.	1.7	57
82	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
83	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
84	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
85	Highly efficient and chemoselective $\alpha$ -iodination of acrylate esters through Morita-Baylis-Hillman-type chemistry. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1085.	1.5	16
86	Chemoselective Activation Strategies of Amidic Carbonyls towards Nucleophilic Reagents. <i>Australian Journal of Chemistry</i> , 2013, 66, 507.	0.5	78
87	Chemoselective Synthesis of $\alpha$ -Substituted $\alpha$ -Amino- $\alpha$ -chloro Ketones via Chloromethylation of Glycine-Derived Weinreb Amides. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 919-926.	2.1	41
88	Chemoselective oxidative hydrolysis of EWG protected $\alpha$ -arylamino vinyl bromides to $\alpha$ -arylamino- $\alpha$ -bromoacetones. <i>Tetrahedron Letters</i> , 2013, 54, 4369-4372.	0.7	9
89	Chemoselective CaO-Mediated Acylation of Alcohols and Amines in 2-Methyltetrahydrofuran. <i>ChemSusChem</i> , 2013, 6, 905-910.	3.6	18
90	Biocatalyzed On Water Synthesis of Chiral Building Blocks for the Preparation of Anti-Cancer Drugs: a Greener Approach. <i>Current Organic Chemistry</i> , 2013, 17, 1132-1157.	0.9	6

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91	&#945;-Amino-&#945;-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
92	2-Methyltetrahydrofuran: A Versatile Eco-Friendly Alternative to THF in Organometallic Chemistry. <i>Australian Journal of Chemistry</i> , 2012, 65, 301.	0.5	46
93	A straightforward and general access to $\beta$ -phthalimido- $\beta$ -substituted propan-2-ones. <i>Tetrahedron Letters</i> , 2012, 53, 5106-5109.	0.7	10
94	2-Methyltetrahydrofuran (2-MeTHF): A Biomass-Derived Solvent with Broad Application in Organic Chemistry. <i>ChemSusChem</i> , 2012, 5, 1369-1379.	3.6	520
95	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
96	Robust eco-friendly protocol for the preparation of $\beta$ -hydroxy- $\beta$ -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
97	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
98	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
99	Chemoenzymatic synthesis of chiral unsymmetrical benzoin esters. <i>Tetrahedron</i> , 2011, 67, 7321-7329.	1.0	26
100	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
101	Highly regioselective control of 1,2-addition of organolithiums to $\beta$ -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
102	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
103	1,3-Dichloroacetone. <i>Synlett</i> , 2010, 2010, 2825-2826.	1.0	2
104	Improved Arndt-Eistert Synthesis of $\beta$ -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
105	2-Methyltetrahydrofuran as a suitable green solvent for phthalimide functionalization promoted by supported KF. <i>Green Chemistry</i> , 2010, 12, 1380.	4.6	68
106	Highly Efficient Synthesis of New $\beta$ -Arylamino- $\beta$ -chloropropanones via Oxidative Hydrolysis of Vinyl Chlorides Promoted by Calcium Hypochlorite. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 3199-3206.	2.1	25
107	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
108	Effective Monoallylation of Anilines Catalyzed by Supported KF. <i>Organic Letters</i> , 2007, 9, 2661-2664.	2.4	45

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109	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
110	Consecutive and Selective Double Methylene Insertion of Lithium Carbenoids to Isothiocyanates: A Direct Assembly of Four-membered Sulfur-containing Cycles. <i>Angewandte Chemie</i> , 0, , .	1.6	0