

# Fabrizio Machetti

## List of Publications by Year in descending order

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55  
papers

1,304  
citations

279798

23  
h-index

377865

34  
g-index

72  
all docs

72  
docs citations

72  
times ranked

1108  
citing authors

#	ARTICLE	IF	CITATIONS
1	1,4-Diazabicyclo[2.2.2]octane (DABCO) as an Efficient Reagent for the Synthesis of Isoxazole Derivatives from Primary Nitro Compounds and Dipolarophiles: The Role of the Base. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 4852-4860.	2.4	119
2	Synthesis of 4,5-Dihydroisoxazoles by Condensation of Primary Nitro Compounds with Alkenes by Using a Copper/Base Catalytic System. <i>Chemistry - A European Journal</i> , 2008, 14, 7903-7912.	3.3	72
3	Isoxazoles and Isoxazolines by 1,3-Dipolar Cycloaddition: Base-Catalysed Condensation of Primary Nitro Compounds with Dipolarophiles. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4352-4359.	2.4	62
4	19-Nor-10-azasteroids: A Novel Class of Inhibitors for Human Steroid 5 $\alpha$ -Reductases 1 and 2. <i>Journal of Medicinal Chemistry</i> , 1997, 40, 1112-1129.	6.4	58
5	Acid-Base-Catalysed Condensation Reaction in Water: Isoxazolines and Isoxazoles from Nitroacetates and Dipolarophiles. <i>Chemistry - A European Journal</i> , 2012, 18, 2081-2093.	3.3	48
6	Interactions of taurine and structurally related analogues with the GABAergic system and taurine binding sites of rabbit brain. <i>British Journal of Pharmacology</i> , 2003, 138, 1163-1171.	5.4	44
7	Synthesis and Reactivity of Bicycles Derived from Tartaric Acid and $\alpha$ -Amino Acids: A Novel Class of Conformationally Constrained Dipeptide Isosteres Based upon Enantiopure 3-Aza-6,8-dioxabicyclo[3.2.1]octane-7-carboxylic Acid. <i>Journal of Organic Chemistry</i> , 1999, 64, 7347-7364.	3.2	43
8	Isoxazoline derivatives from activated primary nitrocompounds and tertiary diamines. <i>Tetrahedron Letters</i> , 2005, 46, 7877-7879.	1.4	42
9	A new synthesis of (2S)-4-oxopipercolic acid by thermal rearrangement of enantiopure spirocyclopropaneisoxazolidine. <i>Tetrahedron Letters</i> , 1996, 37, 4205-4208.	1.4	41
10	Michael Additions versus Cycloaddition Condensations with Ethyl Nitroacetate and Electron-Deficient Olefins. <i>Chemistry - A European Journal</i> , 2009, 15, 7940-7948.	3.3	41
11	A specific taurine recognition site in the rabbit brain is responsible for taurine effects on thermoregulation. <i>British Journal of Pharmacology</i> , 2003, 139, 487-494.	5.4	37
12	A New Bicyclic Dipeptide Isostere with Pyrrolizidinone Skeleton. <i>Journal of Organic Chemistry</i> , 2005, 70, 856-867.	3.2	32
13	Benzo[c]quinolizin-3-ones: A Novel Class of Potent and Selective Nonsteroidal Inhibitors of Human Steroid 5 $\alpha$ -Reductase 1. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 3718-3735.	6.4	31
14	Conjugate Addition versus Cycloaddition/Condensation of Nitro Compounds in Water: Selectivity, Acid-Base Catalysis, and Induction Period. <i>Chemistry - A European Journal</i> , 2013, 19, 665-677.	3.3	30
15	Identification of Inhibitors of Drug-Resistant <i>Candida albicans</i> Strains from a Library of Bicyclic Peptidomimetic Compounds. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 2502-2509.	6.4	29
16	Enantiospecific synthesis of 3-aza-6,8-dioxabicyclo[3.2.1]octane carboxylic acids from erythrose. <i>Tetrahedron</i> , 2003, 59, 5251-5258.	1.9	28
17	19-Nor-10-azasteroids. 5.1A Synthetic Strategy for the Preparation of (+)-17-(3-Pyridyl)-(5 $\alpha$ )-10-azaestra-1,16-dien-3-one, a Novel Potential Inhibitor for Human Cytochrome P45017 $\alpha$ (17 $\alpha$ -Hydroxylase/C17,20-lyase). <i>Journal of Organic Chemistry</i> , 1999, 64, 4985-4989.	3.2	27
18	Modification of the Aza-Robinson Annulation for the Synthesis of 4-Methyl-Benzo[c]quinolizin-3-ones, Potent Inhibitors of Steroid 5 $\alpha$ -Reductase 1. <i>Journal of Organic Chemistry</i> , 2000, 65, 8093-8095.	3.2	27

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19	19-Nor-10-azasteroids, a New Class of Steroid 5 $\alpha$ -Reductase Inhibitors. 2. X-ray Structure, Molecular Modeling, Conformational Analysis of 19-Nor-10-azasteroids and Comparison with 4-Azasteroids and 6-Azasteroids. <i>Journal of Medicinal Chemistry</i> , 1997, 40, 3466-3477.	6.4	26
20	Practical synthesis of both enantiomers of protected 4-oxopipicolinic acid. <i>Tetrahedron</i> , 2001, 57, 4995-4998.	1.9	25
21	1,2,5-Oxadiazole (Furazan) Derivatives from Benzoylnitromethane and Dipolarophiles in the Presence of DABCO: Structure and Intermediates. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 3016-3020.	2.4	25
22	A Concise Route to 19-Nor-10-azasteroids, a New Class of Steroid 5 $\alpha$ -Reductase Inhibitors. 3.1 Synthesis of (+)-19-Nor-10-azasterone and (+)-17 $\beta$ -(Acetyloxy)-(5 $\alpha$ )-10-azaestr-1-en-3-one. <i>Journal of Organic Chemistry</i> , 1998, 63, 4111-4115.	3.2	24
23	Synthesis of a new enantiopure bicyclic $\beta$ / $\gamma$ -amino acid (BTKa) derived from tartaric acid and $\beta$ -amino acetophenone. <i>Tetrahedron</i> , 2002, 58, 9865-9870.	1.9	24
24	The Synthesis of 4-Hydroxypipicolinic Acids by Stereoselective Cycloaddition of Configurationally Stable Nitrones. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 3235-3241.	2.4	24
25	Base- and Copper-Catalysed Condensation of Primary Activated Nitro Compounds with Enolisable Compounds. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 5971-5978.	2.4	24
26	Effect of C-ring modifications in benzo[c]quinolizin-3-ones, new selective inhibitors of human 5 $\alpha$ -reductase 1. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 1385-1393.	3.0	22
27	Oligomers of Enantiopure Bicyclic $\beta$ / $\gamma$ -Amino Acids (BTAA). 1. Synthesis and Conformational Analysis of 3-Aza-6,8-dioxabicyclo[3.2.1]octane-7-carboxylic Acid Oligomers (PolyBTG). <i>Organic Letters</i> , 2000, 2, 3987-3990.	4.6	21
28	Amino-Sulfonation of Alkenes in a Three-Component Reaction. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 1407-1411.	2.4	21
29	Synthesis of bicyclic molecular scaffolds (BTAA): An investigation towards new selective MMP-12 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 7392-7403.	3.0	21
30	Novel inhibitors of 5 $\alpha$ -reductase. <i>Expert Opinion on Therapeutic Patents</i> , 2002, 12, 201-215.	5.0	20
31	Parallel Synthesis of an Amide Library Based on the 6,8-Dioxabicyclo[3.2.1]octane Scaffold by Direct Aminolysis of Methyl Esters. <i>ACS Combinatorial Science</i> , 2007, 9, 454-461.	3.3	20
32	Multiwalled carbon nanotubes for combination therapy: a biodistribution and efficacy pilot study. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2678-2687.	5.8	20
33	Synthesis of Free and $N$ -Fmoc-/ $N$ -Boc-Protected (2S,4S)- and (2S,4R)-4-Aminopipicolinic Acids. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 2928-2935.	2.4	16
34	Competitive Copper Catalysis in the Condensation of Primary Nitro Compounds with Terminal Alkynes: Synthesis of Isoxazoles. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4643-4655.	2.4	16
35	Inhibition of rabbit brain 4-aminobutyrate transaminase by some taurine analogues: A kinetic analysis. <i>Biochemical Pharmacology</i> , 2006, 71, 1510-1519.	4.4	14
36	Conversion of a nitrosocarbonyl hetero Diels-Alder cycloadduct to useful isoxazoline-carbocyclic aminols. <i>Tetrahedron</i> , 2009, 65, 10679-10684.	1.9	14

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37	Reactivity of [60]Fullerene with Primary Nitro Compounds: Addition or Catalysed Condensation to Isoxazolo[60]fullerenes. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 7906-7915.	2.4	12
38	Stereoselectivity in the TiCl <sub>4</sub> -catalysed reaction of Danishefsky's diene with a N-(acyloxy)iminium ion: Synthesis of 5R versus 5S 1(2)-19-Nor-10-azasteroids. <i>4. Tetrahedron</i> , 1998, 54, 11589-11596.	1.9	10
39	Design and synthesis of a new bicyclic dipeptide isostere. <i>Chemical Communications</i> , 2001, , 1590-1591.	4.1	10
40	Probing the Structure of Toxic Amyloid-β <sup>2</sup> Oligomers with Electron Spin Resonance and Molecular Modeling. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1150-1161.	3.5	9
41	Synthesis and X-ray study of hexahydro- and tetrahydrophospholo[2,3-d]isoxazoles, a new class of heterocycles of potential fungicidal activity. <i>Journal of Heterocyclic Chemistry</i> , 1996, 33, 1091-1098.	2.6	8
42	Effects of Taurine and some Structurally Related Analogues on the Central Mechanism of Thermoregulation. <i>Advances in Experimental Medicine and Biology</i> , 2002, 483, 273-282.	1.6	8
43	Bicyclic Compounds Derived from Tartaric Acid and L-Amino Acids (BTAs): Synthesis of New Molecular Scaffolds Derived from the Combination of (R,R)-Tartaric Acid and L-Serine. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 873-880.	2.4	7
44	Design, Synthesis, and Applications of 3-Aza-6,8-Dioxabicyclo[3.2.1]Octane-Based Scaffolds for Peptidomimetic Chemistry. <i>Synlett</i> , 2006, 2006, 0331-0353.	1.8	5
45	Neat reaction of carboxylic acid methyl esters and amines for efficient parallel synthesis of scaffold amide libraries. <i>Comptes Rendus Chimie</i> , 2003, 6, 631-633.	0.5	4
46	Synthesis and Reactivity of Bicycles Derived from Tartaric Acid and L-Amino Acids: A Novel Class of Conformationally Constrained Dipeptide Isosteres Based upon Enantiopure 3-Aza-6,8-dioxabicyclo[3.2.1]octane-7-carboxylic Acid. <i>Journal of Organic Chemistry</i> , 2000, 65, 4782-4782.	3.2	3
47	Understanding the Exceptional Properties of Nitroacetamides in Water: A Computational Model Including the Solvent. <i>Molecules</i> , 2018, 23, 3308.	3.8	3
48	Five-Membered Ring Systems: With O & N Atoms. <i>Progress in Heterocyclic Chemistry</i> , 2020, 31, 399-429.	0.5	3
49	Cu(II)-Glycerol-N-Ethylmorpholine Complex Stability Revealed by X-ray Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1483-1492.	3.1	3
50	Five-membered ring systems with O and N atoms. <i>Progress in Heterocyclic Chemistry</i> , 2021, 32, 365-395.	0.5	3
51	4,5-Dihydroisoxazoles by Copper(II)-Catalysed Condensation of Primary Nitroalkanes with Dipolarophiles. <i>Synlett</i> , 2007, 2007, 2451-2453.	1.8	2
52	Isoxazoles. , 2021, , 308-308.		2
53	Transesterification of Methyl Nitroacetate to Superior Esters. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1720-1726.	2.4	1
54	Five-membered ring systems with O and N atoms. <i>Progress in Heterocyclic Chemistry</i> , 2021, 33, 311-340.	0.5	1

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55	Isoxazoline Derivatives from Activated Primary Nitro Compounds and Tertiary Diamines.. ChemInform, 2006, 37, no.	0.0	0