

# Nicolas Inguibert

## List of Publications by Year in descending order

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63  
papers

927  
citations

471061

17  
h-index

552369

26  
g-index

72  
all docs

72  
docs citations

72  
times ranked

1197  
citing authors

#	ARTICLE	IF	CITATIONS
1	Orally Active Aminopeptidase A Inhibitors Reduce Blood Pressure. <i>Hypertension</i> , 2008, 51, 1318-1325.	1.3	92
2	Development of a chemiluminescent screening assay for detection of vascular endothelial growth factor receptor 1 ligands. <i>Analytical Biochemistry</i> , 2007, 366, 108-110.	1.1	42
3	On-resin cyclization of peptide ligands of the Vascular Endothelial Growth Factor Receptor 1 by copper(I)-catalyzed 1,3-dipolar azide-alkyne cycloaddition. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 5590-5594.	1.0	41
4	Targeting the Proangiogenic VEGF-VEGFR Protein-Protein Interface with Drug-like Compounds by In Silico and In Vitro Screening. <i>Chemistry and Biology</i> , 2011, 18, 1631-1639.	6.2	38
5	Immunosensors for Estradiol and Ethinylestradiol Based on New Synthetic Estrogen Derivatives: Application to Wastewater Analysis. <i>Analytical Chemistry</i> , 2013, 85, 2397-2404.	3.2	34
6	Rational Design, Structure, and Biological Evaluation of Cyclic Peptides Mimicking the Vascular Endothelial Growth Factor. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 5135-5146.	2.9	33
7	Biochemical and Structural Analysis of the Binding Determinants of a Vascular Endothelial Growth Factor Receptor Peptidic Antagonist. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 4428-4440.	2.9	31
8	First Total Synthesis and Stereochemical Revision of Laxaphycin B and Its Extension to L yngbyacyclamide A. <i>Organic Letters</i> , 2013, 15, 3898-3901.	2.4	27
9	Helical peptides from VEGF and Vammin hotspots for modulating the VEGF-VEGFR interaction. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1896.	1.5	27
10	Toward an Optimal Joint Recognition of the S1 Subsites of Endothelin Converting Enzyme-1 (ECE-1), Angiotensin Converting Enzyme (ACE), and Neutral Endopeptidase (NEP). <i>Journal of Medicinal Chemistry</i> , 2002, 45, 1477-1486.	2.9	23
11	Isolation and Synthesis of Laxaphycin B-Type Peptides: A Case Study and Clues to Their Biosynthesis. <i>Marine Drugs</i> , 2015, 13, 7285-7300.	2.2	23
12	Disulfide and amide-bridged cyclic peptide analogues of the VEGF81-91 fragment: Synthesis, conformational analysis and biological evaluation. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 7526-7533.	1.4	22
13	How are 1,2,3-triazoles accommodated in helical secondary structures?. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3576-3583.	1.5	22
14	N-[2-(Indan-1-yl)-3-mercapto-propionyl] amino acids as highly potent inhibitors of the three vaso peptidases (NEP, ACE, ECE): In vitro and In vivo activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 2001-2005.	1.0	21
15	Parallel solid-phase synthesis of a small library of linear and hydrocarbon-bridged analogues of VEGF81-91: Potential biological tools for studying the VEGF/VEGFR-1 interaction. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1978-1986.	1.4	21
16	Structure and biological evaluation of new cyclic and acyclic laxaphycin-A type peptides. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 1966-1980.	1.4	21
17	Efficient Microwave-Assisted One Shot Synthesis of Peptaibols Using Inexpensive Coupling Reagents. <i>Organic Letters</i> , 2014, 16, 1783-1785.	2.4	20
18	Synthesis and in vitro activities of new non-peptidic APA Inhibitors. <i>Chemical Biology and Drug Design</i> , 2008, 65, 175-188.	1.2	19

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19	Synthesis of the sodium diphenylbis(cyanamido)phosphonium diylide by a new variation of the Staudinger reaction. <i>Chemical Communications</i> , 1999, , 565-566.	2.2	18
20	Asp218 participates with Asp213 to bind a Ca <sup>2+</sup> atom into the S1 subsite of aminopeptidase A: a key element for substrate specificity. <i>Biochemical Journal</i> , 2008, 416, 37-46.	1.7	17
21	NI956/QGC006, a Potent Orally Active, Brain-Penetrating Aminopeptidase A Inhibitor for Treating Hypertension. <i>Hypertension</i> , 2019, 73, 1300-1307.	1.3	17
22	Salen/salan metallic complexes as redox labels for electrochemical aptasensors. <i>Chemical Communications</i> , 2019, 55, 12821-12824.	2.2	17
23	Synthesis of a protected derivative of (2R,3R)-Î²-hydroxyaspartic acid suitable for Fmoc-based solid phase synthesis. <i>Tetrahedron Letters</i> , 2013, 54, 158-161.	0.7	16
24	Oxovanadiumâ€“salen and â€“salan complexes as effective labels for electrochemical immunosensing: a case study for estradiol detection. <i>Chemical Communications</i> , 2014, 50, 1658-1661.	2.2	16
25	Targeting VEGFR1 on endothelial progenitors modulates their differentiation potential. <i>Angiogenesis</i> , 2014, 17, 603-616.	3.7	14
26	Chemiluminescence immunoassays for estradiol and ethinylestradiol based on new biotinylated estrogen derivatives. <i>Analytical Biochemistry</i> , 2017, 537, 63-68.	1.1	14
27	Development and validation of LCâ€“MS methods for peptaibol quantification in fungal extracts according to their lengths. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1009-1010, 25-33.	1.2	13
28	Enhancing the Antimicrobial Activity of Alamethicin F50/5 by Incorporating Nâ€“terminal Hydrophobic Triazole Substituents.. <i>Chemistry - A European Journal</i> , 2017, 23, 17964-17972.	1.7	13
29	Biological Activities of Cyclic and Acyclic B-Type Laxaphycins in SH-SY5Y Human Neuroblastoma Cells. <i>Marine Drugs</i> , 2020, 18, 364.	2.2	13
30	Structureâ€“based design of a bicyclic peptide antagonist of the vascular endothelial growth factor receptors. <i>Journal of Peptide Science</i> , 2008, 14, 767-772.	0.8	12
31	Characterization of a New Anticancer Agent, EAPB0203, and Its Main Metabolites: Nuclear Magnetic Resonance and Liquid Chromatographyâ€“Mass Spectrometry Studies. <i>Analytical Chemistry</i> , 2012, 84, 9865-9872.	3.2	12
32	Synthesis, Characterization and Antibacterial Activity of Cyclic Sulfamide Linked to Tetrathiafulvalene (TTF). <i>Letters in Organic Chemistry</i> , 2014, 11, 59-63.	0.2	12
33	Synthesis of phosphinyl, thiophosphinyl and phosphonio guanidines. <i>Journal of Organometallic Chemistry</i> , 1997, 529, 257-265.	0.8	11
34	Exploration of theS?1 subsite of neprilysin: A joined molecular modeling and site-directed mutagenesis study. , 2000, 39, 365-371.		11
35	Access to Î±,Î±-Disubstituted Disilylated Amino Acids and Their Use in Solid-Phase Peptide Synthesis. <i>Organic Letters</i> , 2015, 17, 4498-4501.	2.4	11
36	Peptaibols as a model for the insertions of chemical modifications. <i>Archives of Biochemistry and Biophysics</i> , 2018, 658, 16-30.	1.4	11

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37	Total chemical synthesis of the D2 domain of human VEGF receptor 1. <i>Journal of Peptide Science</i> , 2009, 15, 417-422.	0.8	10
38	Straightforward strategy to substitute amide bonds by 1,2,3-triazoles in peptaibols analogs using Aib <sup>1</sup> [Tz] <sup>n</sup> α dipeptides. <i>Biopolymers</i> , 2015, 104, 611-621.	1.2	10
39	Biophysical Studies of the Induced Dimerization of Human VEGF Receptor 1 Binding Domain by Divalent Metals Competing with VEGF-A. <i>PLoS ONE</i> , 2016, 11, e0167755.	1.1	10
40	Peptide Vectors Carry Pyrene to Cell Organelles Allowing Real-Time Quantification of Free Radicals in Mitochondria by Time-Resolved Fluorescence Microscopy. <i>ChemBioChem</i> , 2021, 22, 1676-1685.	1.3	9
41	Synthesis of 1,3,5,2λ <sup>5</sup> -Triazaphosphinines by Intramolecular Cyclisation of (N-Cyanophosphorimidoyl)guanidines and Diguanidinophosphonium Chlorides. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 4870-4876.	1.2	8
42	A Facile Synthesis of New Thiophosphinyl Guanidines. <i>Synthetic Communications</i> , 1995, 25, 2857-2863.	1.1	7
43	Towards the total synthesis of trichormamide A, a cyclic undecapeptide. <i>Tetrahedron Letters</i> , 2018, 59, 3713-3718.	0.7	7
44	In vivo properties of thiol inhibitors of the three vasopeptidases NEP, ACE and ECE are improved by introduction of a 7-azatryptophan in P2 position. <i>Chemical Biology and Drug Design</i> , 2004, 63, 99-107.	1.2	6
45	Synthesis and separation of tritiated inhibitors of aminopeptidase A and their prodrugs. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2004, 47, 997-1005.	0.5	6
46	Unexpected formation of new chiral 3-amino-5-alkyl-2,5-dihydro-1H-pyrrolin-2-ones from N-Boc-λ <sup>±</sup> -amino esters. <i>Tetrahedron Letters</i> , 2005, 46, 3517-3520.	0.7	5
47	Thienopyrimidinedione Formation Versus Ester Hydrolysis from Ureido Carboxylic Acid Methyl Ester. <i>Synthesis</i> , 2013, 45, 479-490.	1.2	5
48	Photodegradation of Myrigalone A, an Allelochemical from <i>Myrica gale</i> : Photoproducts and Effect of Terpenes. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 7258-7265.	2.4	5
49	A new mitochondrial probe combining pyrene and a triphenylphosphonium salt for cellular oxygen and free radical detection via fluorescence lifetime measurements. <i>Free Radical Research</i> , 2022, 56, 258-272.	1.5	5
50	Crystal and molecular structures of N-diphenylphosphinyl- and N-diphenylthiophosphinyl-N <sup>2</sup> -phenyl guanidines, Ph <sub>2</sub> P(Y)N <sup>-</sup> ...C(NH <sub>2</sub> )NPh (Y=O,S). <i>Journal of Molecular Structure</i> , 2000, 519, 211-218.	1.8	4
51	Trichormamide C Structural Confirmation through Total Synthesis and Extension to Analogs. <i>Organic Letters</i> , 2020, 22, 145-149.	2.4	4
52	Phosphonium Diylides in Organic Synthesis. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999, 144, 401-404.	0.8	3
53	Insights into the Natural Defenses of a Coral Reef Fish Against Gill Ectoparasites: Integrated Metabolome and Microbiome Approach. <i>Metabolites</i> , 2020, 10, 227.	1.3	3
54	Synthesis and Characterization of Bis(1,2,3-triazole) Ligand and its Corresponding Copper Complex for the Development of Electrochemical Affinity Biosensors. <i>Chemistry - A European Journal</i> , 2021, 27, 9580-9588.	1.7	3

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55	Thirtieth Anniversary of the Discovery of Laxaphycins. Intriguing Peptides Keeping a Part of Their Mystery. <i>Marine Drugs</i> , 2021, 19, 473.	2.2	3
56	Fe(III)-DOTA/Fe(III)-NOTA Complexes: Attractive Alternative Markers for Future Electrochemical Biosensors. <i>Journal of the Electrochemical Society</i> , 2020, 167, 117502.	1.3	2
57	Rapid synthesis of methoxyconidiol and conitriol stereoisomers. <i>Tetrahedron Letters</i> , 2012, 53, 4548-4550.	0.7	1
58	d-Peptidase Activity in a Marine Mollusk Detoxifies a Nonribosomal Cyclic Lipopeptide: An Ecological Model to Study Antibiotic Resistance. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 6198-6208.	2.9	1
59	A Facile and General Synthesis of Phosphinylguanidines. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1996, 111, 124-124.	0.8	0
60	Diazadiylide Anions $[Ph_2P(NR)_2]^-$ (R = CN, C(O)Ph) as Ambident Bridging and Chelating Ligands. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002, 177, 2187-2188.	0.8	0
61	Synthesis of 1,3,5-Triazaphosphinines by Intramolecular Cyclization of (N-Cyanophosphorimidoyl)guanidines and Diguandinophosphonium Chlorides. <i>ChemInform</i> , 2005, 36, no.	0.1	0
62	Soluble fms-like tyrosine kinase-1 antibody for diagnosis purposes (WO2010075475). <i>Expert Opinion on Therapeutic Patents</i> , 2011, 21, 971-975.	2.4	0
63	Cyclic peptides as VEGF receptor antagonist. <i>Advances in Experimental Medicine and Biology</i> , 2009, 611, 479-480.	0.8	0