Nicolas Inguimbert

List of Publications by Year
in descending order

64	927	471509 17	552781 26
papers	citations	h-index	g-index

72	72	72	1197
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new mitochondrial probe combining pyrene and a triphenylphosphonium salt for cellular oxygen and free radical detection via fluorescence lifetime measurements. Free Radical Research, 2022, 56, 258-272.	3.3	5
2	Peptide Vectors Carry Pyrene to Cell Organelles Allowing Realâ€Time Quantification of Free Radicals in Mitochondria by Timeâ€Resolved Fluorescence Microscopy. ChemBioChem, 2021, 22, 1676-1685.	2.6	9
3	d-Peptidase Activity in a Marine Mollusk Detoxifies a Nonribosomal Cyclic Lipopeptide: An Ecological Model to Study Antibiotic Resistance. Journal of Medicinal Chemistry, 2021, 64, 6198-6208.	6.4	1
4	Synthesis and Characterization of Bisâ€1,2,3â€Triazole Ligand and its Corresponding Copper Complex for the Development of Electrochemical Affinity Biosensors. Chemistry - A European Journal, 2021, 27, 9580-9588.	3.3	3
5	Thirtieth Anniversary of the Discovery of Laxaphycins. Intriguing Peptides Keeping a Part of Their Mystery. Marine Drugs, 2021, 19, 473.	4.6	3
6	Trichormamide C Structural Confirmation through Total Synthesis and Extension to Analogs. Organic Letters, 2020, 22, 145-149.	4.6	4
7	Biological Activities of Cyclic and Acyclic B-Type Laxaphycins in SH-SY5Y Human Neuroblastoma Cells. Marine Drugs, 2020, 18, 364.	4.6	13
8	Fe(III)-DOTA/Fe(III)-NOTA Complexes: Attractive Alternative Markers for Future Electrochemical Biosensors. Journal of the Electrochemical Society, 2020, 167, 117502.	2.9	2
9	Insights into the Natural Defenses of a Coral Reef Fish Against Gill Ectoparasites: Integrated Metabolome and Microbiome Approach. Metabolites, 2020, 10, 227.	2.9	3
10	Photodegradation of Myrigalone A, an Allelochemical from Myrica gale: Photoproducts and Effect of Terpenes. Journal of Agricultural and Food Chemistry, 2019, 67, 7258-7265.	5.2	5
11	NI956/QGC006, a Potent Orally Active, Brain-Penetrating Aminopeptidase A Inhibitor for Treating Hypertension. Hypertension, 2019, 73, 1300-1307.	2.7	17
12	Structure and biological evaluation of new cyclic and acyclic laxaphycin-A type peptides. Bioorganic and Medicinal Chemistry, 2019, 27, 1966-1980.	3.0	21
13	Salen/salan metallic complexes as redox labels for electrochemical aptasensors. Chemical Communications, 2019, 55, 12821-12824.	4.1	17
14	How are 1,2,3-triazoles accommodated in helical secondary structures?. Organic and Biomolecular Chemistry, 2018, 16, 3576-3583.	2.8	22
15	Peptaibols as a model for the insertions of chemical modifications. Archives of Biochemistry and Biophysics, 2018, 658, 16-30.	3.0	11
16	Towards the total synthesis of trichormamide A, a cyclic undecapeptide. Tetrahedron Letters, 2018, 59, 3713-3718.	1.4	7
17	Enhancing the Antimicrobial Activity of Alamethicin F50/5 by Incorporating Nâ€terminal Hydrophobic Triazole Substituents.. Chemistry - A European Journal, 2017, 23, 17964-17972.	3.3	13
18	Chemiluminescence immunoassays for estradiol and ethinylestradiol based on new biotinylated estrogen derivatives. Analytical Biochemistry, 2017, 537, 63-68.	2.4	14

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19	Development and validation of LCâ€“MS methods for peptaibol quantification in fungal extracts according to their lengths. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1009-1010, 25-33.	2.3	13
20	Biophysical Studies of the Induced Dimerization of Human VEGF Receptor 1 Binding Domain by Divalent Metals Competing with VEGF-A. PLoS ONE, 2016, 11, e0167755.	2.5	10
21	Straightforward strategy to substitute amide bonds by 1,2,3â€triazoles in peptaibols analogs using Aibî[Tz]â€Xaa dipeptides. Biopolymers, 2015, 104, 611-621.	2.4	10
22	Isolation and Synthesis of Laxaphycin B-Type Peptides: A Case Study and Clues to Their Biosynthesis. Marine Drugs, 2015, 13, 7285-7300.	4.6	23
23	Access to Îą,Îą-Disubstituted Disilylated Amino Acids and Their Use in Solid-Phase Peptide Synthesis. Organic Letters, 2015, 17, 4498-4501.	4.6	11
24	Synthesis, Characterization and Antibacterial Activity of Cyclic Sulfamide Linked to Tetrathiafulvalene (TTF). Letters in Organic Chemistry, 2014, 11, 59-63.	0.5	12
25	Targeting VEGFR1 on endothelial progenitors modulates their differentiation potential. Angiogenesis, 2014, 17, 603-616.	7.2	14
26	Oxovanadiumâ€“salen and â€“salan complexes as effective labels for electrochemical immunosensing: a case study for estradiol detection. Chemical Communications, 2014, 50, 1658-1661.	4.1	16
27	Efficient Microwave-Assisted One Shot Synthesis of Peptaibols Using Inexpensive Coupling Reagents. Organic Letters, 2014, 16, 1783-1785.	4.6	20
28	First Total Synthesis and Stereochemical Revision of Laxaphycin B and Its Extension to Lyngbyacyclamide A. Organic Letters, 2013, 15, 3898-3901.	4.6	27
29	Synthesis of a protected derivative of (2R,3R)-Îą-hydroxyaspartic acid suitable for Fmoc-based solid phase synthesis. Tetrahedron Letters, 2013, 54, 158-161.	1.4	16
30	Helical peptides from VEGF and Vammin hotspots for modulating the VEGFâ€“VEGFR interaction. Organic and Biomolecular Chemistry, 2013, 11, 1896.	2.8	27
31	Immunosensors for Estradiol and Ethinylestradiol Based on New Synthetic Estrogen Derivatives: Application to Wastewater Analysis. Analytical Chemistry, 2013, 85, 2397-2404.	6.5	34
32	Thienopyrimidinedione Formation Versus Ester Hydrolysis from Ureido Carboxylic Acid Methyl Ester. Synthesis, 2013, 45, 479-490.	2.3	5
33	Characterization of a New Anticancer Agent, EAPB0203, and Its Main Metabolites: Nuclear Magnetic Resonance and Liquid Chromatographyâ€“Mass Spectrometry Studies. Analytical Chemistry, 2012, 84, 9865-9872.	6.5	12
34	Rapid synthesis of methoxyconidiol and conitriol stereoisomers. Tetrahedron Letters, 2012, 53, 4548-4550.	1.4	1
35	Disulfide and amide-bridged cyclic peptide analogues of the VEGF81â€“91 fragment: Synthesis, conformational analysis and biological evaluation. Bioorganic and Medicinal Chemistry, 2011, 19, 7526-7533.	3.0	22
36	Targeting the Proangiogenic VEGF-VEGFR Protein-Protein Interface with Drug-like Compounds by In Silico and InÂVitro Screening. Chemistry and Biology, 2011, 18, 1631-1639.	6.0	38

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37	Parallel solid-phase synthesis of a small library of linear and hydrocarbon-bridged analogues of VEGF81â€“91: Potential biological tools for studying the VEGF/VEGFR-1 interaction. Bioorganic and Medicinal Chemistry, 2011, 19, 1978-1986.	3.0	21
38	Soluble fms-like tyrosine kinase-1 antibody for diagnosis purposes (WO2010075475). Expert Opinion on Therapeutic Patents, 2011, 21, 971-975.	5.0	0
39	Biochemical and Structural Analysis of the Binding Determinants of a Vascular Endothelial Growth Factor Receptor Peptidic Antagonist. Journal of Medicinal Chemistry, 2010, 53, 4428-4440.	6.4	31
40	Total chemical synthesis of the D2 domain of human VEGF receptor 1. Journal of Peptide Science, 2009, 15, 417-422.	1.4	10
41	Cyclic peptides as VEGF receptor antagonist. Advances in Experimental Medicine and Biology, 2009, 611, 479-480.	1.6	0
42	Structureâ€based design of a bicyclic peptide antagonist of the vascular endothelial growth factor receptors. Journal of Peptide Science, 2008, 14, 767-772.	1.4	12
43	Synthesis and in vitro activities of new non-peptidic APA Inhibitors. Chemical Biology and Drug Design, 2008, 65, 175-188.	1.1	19
44	Orally Active Aminopeptidase A Inhibitors Reduce Blood Pressure. Hypertension, 2008, 51, 1318-1325.	2.7	92
45	Asp218 participates with Asp213 to bind a Ca2+ atom into the S1 subsite of aminopeptidase A: a key element for substrate specificity. Biochemical Journal, 2008, 416, 37-46.	3.7	17
46	Rational Design, Structure, and Biological Evaluation of Cyclic Peptides Mimicking the Vascular Endothelial Growth Factor. Journal of Medicinal Chemistry, 2007, 50, 5135-5146.	6.4	33
47	On-resin cyclization of peptide ligands of the Vascular Endothelial Growth Factor Receptor 1 by copper(I)-catalyzed 1,3-dipolar azideâ€“alkyne cycloaddition. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 5590-5594.	2.2	41
48	Development of a chemiluminescent screening assay for detection of vascular endothelial growth factor receptor 1 ligands. Analytical Biochemistry, 2007, 366, 108-110.	2.4	42
49	Unexpected formation of new chiral 3-amino-5-alkyl-2,5-dihydro-1H-pyrrolin-2-ones from N-Boc-Î±-amino esters. Tetrahedron Letters, 2005, 46, 3517-3520.	1.4	5
50	Synthesis of 1,3,5,2?5-Triazaphosphinines by Intramolecular Cyclization of (N-Cyanophosphorimidoyl)guanidines and Diguanidinophosphonium Chlorides.. ChemInform, 2005, 36, no.	0.0	0
51	In vivo properties of thiol inhibitors of the three vasopeptidases NEP, ACE and ECE are improved by introduction of a 7-azatryptophan in P2â€² position. Chemical Biology and Drug Design, 2004, 63, 99-107.	1.1	6
52	Synthesis of 1,3,5,2Î»5-Triazaphosphinines by Intramolecular Cyclisation of (N-Cyanophosphorimidoyl)guanidines and Diguanidinophosphonium Chlorides. European Journal of Organic Chemistry, 2004, 2004, 4870-4876.	2.4	8
53	Synthesis and separation of tritiated inhibitors of aminopeptidase A and their prodrugs. Journal of Labelled Compounds and Radiopharmaceuticals, 2004, 47, 997-1005.	1.0	6
54	Diazadiylide Anions [Ph 2 P(NR) 2] â^' (R = CN, C(O)Ph) as Ambident Bridging and Chelating Ligands. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 2187-2188.	1.6	0

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55	Toward an Optimal Joint Recognition of the S1â€˜ Subsites of Endothelin Converting Enzyme-1 (ECE-1), Angiotensin Converting Enzyme (ACE), and Neutral Endopeptidase (NEP). Journal of Medicinal Chemistry, 2002, 45, 1477-1486.	6.4	23
56	N-[2-(Indan-1-yl)-3-mercapto-propionyl] amino acids as highly potent inhibitors of the three vasopeptidases (NEP, ACE, ECE): In vitro and In vivo activities. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 2001-2005.	2.2	21
57	Exploration of theS?1 subsite of neprilysin: A joined molecular modeling and site-directed mutagenesis study. , 2000, 39, 365-371.		11
58	Crystal and molecular structures of N-diphenylphosphinyl- and N-diphenylthiophosphinyl-Nâ€²-phenyl guanidines, Ph2P(Y)Nî˜…C(NH2)NHPh (Y=O,S). Journal of Molecular Structure, 2000, 519, 211-218.	3.6	4
59	Phosphonium Diylides in Organic Synthesis. Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 144, 401-404.	1.6	3
60	Synthesis of the sodium diphenylbis(cyanamido)phosphonium diylide by a new variation of the Staudinger reaction. Chemical Communications, 1999, , 565-566.	4.1	18
61	Phosphonium Diylides in Organic Synthesis. Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 144, 401-404.	1.6	0
62	Synthesis of phosphinyl, thiophosphinyl and phosphonio guanidines. Journal of Organometallic Chemistry, 1997, 529, 257-265.	1.8	11
63	A Facile and General Synthesis of Phosphinylguanidines. Phosphorus, Sulfur and Silicon and the Related Elements, 1996, 111, 124-124.	1.6	0
64	A Facile Synthesis of New Thiophosphinyl Guanidines. Synthetic Communications, 1995, 25, 2857-2863.	2.1	7