Frederic Jj Bihel

List of Publications by Year
in descending order

79	1,911	279798	289244
papers	citations	23 h-index	40 g-index

93	93	93	2476
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The initial substrate-binding site of Â-secretase is located on presenilin near the active site. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3230-3235.	7.1	208
2	New protease inhibitors prevent Î³-secretase-mediated production of AÎ²40/42 without affecting Notch cleavage. Nature Cell Biology, 2001, 3, 507-511.	10.3	181
3	Endogenous mammalian RF-amide peptides, including PrRP, kisspeptin and 26RFa, modulate nociception and morphine analgesia via NPFF receptors. Neuropharmacology, 2013, 75, 164-171.	4.1	90
4	6-endo-dig Cyclization of heteroarylesters to alkynes promoted by Lewis acid catalyst in the presence of BrÃ¸nsted acid. Tetrahedron Letters, 2008, 49, 62-65.	1.4	81
5	The neuroprotector kynurenic acid increases neuronal cell survival through neprilysin induction. Neuropharmacology, 2013, 70, 254-260.	4.1	65
6	Involvement of neuropeptide FF receptors in neuroadaptive responses to acute and chronic opiate treatments. British Journal of Pharmacology, 2012, 165, 424-435.	5.4	64
7	t-BuXPhos: a highly efficient ligand for Buchwaldâ€“Hartwig coupling in water. Green Chemistry, 2014, 16, 4170-4178.	9.0	62
8	New 2-bromomethyl-8-substituted-benzo[c]chromen-6-ones. Synthesis and biological properties. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 135-138.	2.2	59
9	Discovery of a Subnanomolar Helicald-Tridecapeptide Inhibitor of Î³-Secretase. Journal of Medicinal Chemistry, 2004, 47, 3931-3933.	6.4	55
10	Fully Regiocontrolled Polyarylation of Pyridine. Journal of Organic Chemistry, 2014, 79, 908-918.	3.2	49
11	RF-amide neuropeptides and their receptors in Mammals: Pharmacological properties, drug development and main physiological functions. , 2016, 160, 84-132.		48
12	Synthesis of new 3-alkoxy-7-amino-4-chloro-isocoumarin derivatives as new Î²-amyloid peptide production inhibitors and their activities on various classes of protease. Bioorganic and Medicinal Chemistry, 2003, 11, 3141-3152.	3.0	44
13	Buchwaldâ€“Hartwig reactions in water using surfactants. Tetrahedron, 2014, 70, 3413-3421.	1.9	42
14	TSPO Ligands Boost Mitochondrial Function and Pregnenolone Synthesis. Journal of Alzheimer's Disease, 2019, 72, 1045-1058.	2.6	38
15	New 3â€²-Azido-3â€²-deoxythymidin-5â€²-ylO-(Ï‰-Hydroxyalkyl) Carbonate Prodrugs:Â Synthesis and Anti-HIV Evaluation. Journal of Medicinal Chemistry, 2001, 44, 777-786.	6.4	35
16	<scp>d</scp>â€Glucose: An Efficient Reducing Agent for a Copper(II)â€Mediated Arylation of Primary Amines in Water. ChemSusChem, 2016, 9, 3244-3249.	6.8	30
17	Novel synthesis of 3,4-dihydro-5-bromo[1,4]oxazin-2-one derivatives, new protease inhibitor scaffold. Organic and Biomolecular Chemistry, 2003, 1, 793.	2.8	29
18	Design of potential new HIV protease inhibitors: enantioconvergent synthesis of new pyrrolidin-3-ol, and pyrrolidin-3-one peptide conjugates. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 1421-1430.	1.3	28

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19	Direct Guanidinylation of Aryl and Heteroaryl Halides via Copper-Catalyzed Cross-Coupling Reaction. Journal of Organic Chemistry, 2012, 77, 417-423.	3.2	28
20	N-Heteroarylation of Chiral Î±-Aminoesters by Means of Palladium-Catalyzed Buchwaldâ€“Hartwig Reaction. Journal of Organic Chemistry, 2013, 78, 7930-7937.	3.2	28
21	The translocator protein ligand XBD173 improves clinical symptoms and neuropathological markers in the SJL/J mouse model of multiple sclerosis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 3016-3027.	3.8	28
22	Fukuyama Cross-Coupling Approach to Isoprekinamycin: Discovery of the Highly Active and Bench-Stable Palladium Precatalyst POxAP. Organic Letters, 2019, 21, 844-848.	4.6	28
23	Human erythrocytes release ATP by a novel pathway involving VDAC oligomerization independent of pannexin-1. Scientific Reports, 2018, 8, 11384.	3.3	26
24	Structureâ€“Activity Relationship Study around Guanabenz Identifies Two Derivatives Retaining Antiprion Activity but Having Lost Î±2-Adrenergic Receptor Agonistic Activity. ACS Chemical Neuroscience, 2014, 5, 1075-1082.	3.5	25
25	Efficient and Mild Ullmannâ€Type Nâ€Arylation of Amides, Carbamates, and Azoles in Water. Chemistry - A European Journal, 2017, 23, 13676-13683.	3.3	25
26	A bifunctional-biased mu-opioid agonistâ€“neuropeptide FF receptor antagonist as analgesic with improved acute and chronic side effects. Pain, 2018, 159, 1705-1718.	4.2	25
27	Development of a Peptidomimetic Antagonist of Neuropeptide FF Receptors for the Prevention of Opioid-Induced Hyperalgesia. ACS Chemical Neuroscience, 2015, 6, 438-445.	3.5	22
28	Mitochondria modulatory effects of new TSPO ligands in a cellular model of tauopathies. Journal of Neuroendocrinology, 2020, 32, e12796.	2.6	22
29	Minimizing HCN in DIC/Oxyma-Mediated Amide Bond-Forming Reactions. Organic Process Research and Development, 2020, 24, 1341-1349.	2.7	21
30	Substituted thiazolamide coupled to a redox delivery system: a new Î³-secretase inhibitor with enhanced pharmacokinetic profile. Organic and Biomolecular Chemistry, 2005, 3, 612-618.	2.8	19
31	RF313, an orally bioavailable neuropeptide FF receptor antagonist, opposes effects of RF-amide-related peptide-3 and opioid-induced hyperalgesia in rodents. Neuropharmacology, 2017, 118, 188-198.	4.1	18
32	Heteroarylguanidines as Allosteric Modulators of ASIC1a and ASIC3 Channels. ACS Chemical Neuroscience, 2018, 9, 1357-1365.	3.5	18
33	Microwave-assisted cyclic amidine synthesis using TiCl4. Organic and Biomolecular Chemistry, 2006, 4, 3142.	2.8	17
34	TSPO ligands stimulate ZnPPIX transport and ROS accumulation leading to the inhibition of P. falciparum growth in human blood. Scientific Reports, 2016, 6, 33516.	3.3	17
35	Aminoguanidine Hydrazone Derivatives as Nonpeptide NPFF1 Receptor Antagonists Reverse Opioid Induced Hyperalgesia. ACS Chemical Neuroscience, 2018, 9, 2599-2609.	3.5	17
36	Synthesis and Antiviral Activity of New Anti-HIV Amprenavir Bioisosteres. Journal of Medicinal Chemistry, 2002, 45, 3321-3324.	6.4	16

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37	Design and synthesis of 3-aminophthalazine derivatives and structural analogues as PDE5 inhibitors: anti-allodynic effect against neuropathic pain in a mouse model. European Journal of Medicinal Chemistry, 2019, 177, 269-290.	5.5	16
38	Comprehensive overview of biased pharmacology at the opioid receptors: biased ligands and bias factors. RSC Medicinal Chemistry, 2021, 12, 828-870.	3.9	16
39	Development of sub-nanomolar dipeptidic ligands of neuropeptide FF receptors. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 7471-7474.	2.2	14
40	Opioid adjuvant strategy: improving opioid effectiveness. Future Medicinal Chemistry, 2016, 8, 339-354.	2.3	14
41	Access to 4-Alkylaminopyridazine Derivatives via Nitrogen-Assisted Regioselective Pd-Catalyzed Reactions. Journal of Organic Chemistry, 2014, 79, 10311-10322.	3.2	13
42	The longâ€lasting love affair between the budding yeast Saccharomyces cerevisiae and the Epsteinâ€Barr virus. Biotechnology Journal, 2015, 10, 1670-1681.	3.5	13
43	Effects of systematic N-terminus deletions and benzoylations of endogenous RF-amide peptides on NPFF1R, NPFF2R, GPR10, GPR54 and GPR103. Peptides, 2015, 71, 156-161.	2.4	13
44	New PDE4 inhibitors based on pharmacophoric similarity between papaverine and tofisopam. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6567-6572.	2.2	12
45	A Yeast/DrosophilaScreen to Identify New Compounds Overcoming Frataxin Deficiency. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-10.	4.0	12
46	Pharmacological characterization of the mouse NPFF2 receptor. Peptides, 2010, 31, 215-220.	2.4	11
47	Phenylpyridine-2-ylguanidines and rigid mimetics as novel inhibitors of TNFÎ± overproduction: Beneficial action in models of neuropathic pain and of acute lung inflammation. European Journal of Medicinal Chemistry, 2018, 147, 163-182.	5.5	11
48	Nucleophilic Substitution of Azide Acting as a Pseudo Leaving Group: One-Step Synthesis of Various Aza Heterocycles. Journal of Organic Chemistry, 2013, 78, 11335-11341.	3.2	10
49	From Electronic Waste to Suzukiâ^'Miyaura Crossâ€Coupling Reaction in Water: Direct Valuation of Recycled Palladium in Catalysis. ChemSusChem, 2020, 13, 5224-5230.	6.8	10
50	Trisubstitution of pyridine through sequential and regioselective palladium cross-coupling reactions affording analogs of known GPR54 antagonists. RSC Advances, 2013, 3, 10296.	3.6	9
51	CamKII inhibitors reduce mitotic instability, connexon anomalies and progression of the in vivo behavioral phenotype in transgenic animals expressing a mutated Gjb1 gene. Frontiers in Neuroscience, 2014, 8, 151.	2.8	9
52	Discovery of Imidazoquinazolinone Derivatives as TSPO Ligands Modulating Neurosteroidogenesis and Cellular Bioenergetics in Neuroblastoma Cells Expressing Amyloid Precursor Protein. ChemistrySelect, 2017, 2, 6452-6457.	1.5	9
53	Synthesis and Reactivity of 2,3-Dihydro-1H-2,3-benzodiazepine-1,4(5H)-dione. Synthesis, 2007, 2007, 3791-3796.	2.3	8
54	Anti-prion Drugs Targeting the Protein Folding Activity of the Ribosome Reduce PABPN1 Aggregation. Neurotherapeutics, 2021, 18, 1137-1150.	4.4	8

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55	Palladium-Catalyzed Synthesis of Substituted Pyrido[2,3-d]pyridazines at Positions 5 and 8. Synthesis, 2012, 44, 3216-3224.	2.3	6
56	CMTX1 patientsâ€™ cells present genomic instability corrected by CamKII inhibitors. Orphanet Journal of Rare Diseases, 2015, 10, 56.	2.7	6
57	Rapid and scalable synthesis of innovative unnatural Î±,Î² or Î³-amino acids functionalized with tertiary amines on their side-chains. Organic and Biomolecular Chemistry, 2015, 13, 7020-7026.	2.8	6
58	Development of Dipeptidic hGPR54 Agonists. ChemMedChem, 2016, 11, 2147-2154.	3.2	6
59	Dioxygenation of styrenes with molecular oxygen in water. Tetrahedron Letters, 2018, 59, 1465-1468.	1.4	6
60	Synthesis and Antiproliferative Effects of 5,6-Disubstituted Pyridazin-3(2H)-ones Designed as Conformationally Constrained Combretastatin A-4 Analogues. Anti-Cancer Agents in Medicinal Chemistry, 2013, 13, 1133-1140.	1.7	6
61	Development of a Lâ€Tryptophanâ€Based Ligand for Regioselective Copper Catalyzed N²â€Arylation of 1,2,3â€Triazoles. ChemistrySelect, 2017, 2, 6544-6548.	1.5	5
62	Induction of ATP Release, PPIX Transport, and Cholesterol Uptake by Human Red Blood Cells Using a New Family of TSPO Ligands. International Journal of Molecular Sciences, 2018, 19, 3098.	4.1	5
63	Design, Synthesis and Biological Evaluation of Arylpyridin-2-yl Guanidine Derivatives and Cyclic Mimetics as Novel MSK1 Inhibitors. An Application in an Asthma Model. Molecules, 2021, 26, 391.	3.8	5
64	N-Acyl substituted 7-amino-4-chloroisocoumarin: A peptide degradation model via an imide mechanism. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 1771-1774.	2.2	4
65	Design and validation of a homogeneous time-resolved fluorescence cell-based assay targeting the ligand-gated ion channel 5-HT3A. Analytical Biochemistry, 2015, 484, 105-112.	2.4	4
66	Neuropeptide <scp>FF</scp> and prolactinâ€releasing peptide decrease cortical excitability through activation of NPFF receptors. Epilepsia, 2015, 56, 489-498.	5.1	4
67	Neuropeptide FF receptors as novel targets for limbic seizure attenuation. Neuropharmacology, 2015, 95, 415-423.	4.1	4
68	Synthesis of 3-amino-3,4-dihydro-1H-quinolin-2-ones through regioselective palladium-catalyzed intramolecular cyclization. Tetrahedron Letters, 2016, 57, 1547-1550.	1.4	4
69	Identification of an N-acylated-^DArg-Leu-NH₂ Dipeptide as a Highly Selective Neuropeptide FF1 Receptor Antagonist That Potently Prevents Opioid-Induced Hyperalgesia. Journal of Medicinal Chemistry, 2021, 64, 7555-7564.	6.4	4
70	Ï‡-Space Screening of Dermorphin-Based Tetrapeptides through Use of Constrained Arylazepinone and Quinolinone Scaffolds. ACS Medicinal Chemistry Letters, 2017, 8, 1177-1182.	2.8	4
71	Reactivity studies of 3-alkoxy-7-amino-4-chloroisocoumarins (Î²-amyloid peptide inhibitors)versus different classes of amines. Organic and Biomolecular Chemistry, 2003, 1, 800.	2.8	3
72	Diastereoselective Synthesis of Nonplanar 3-Amino-1,2,4-oxadiazine Scaffold: Structure Revision of Alchornedine. Journal of Organic Chemistry, 2020, 85, 15347-15359.	3.2	3

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73	In Situ Formation of Cationic Ï€-Allylpalladium Precatalysts in Alcoholic Solvents: Application to Câ€“N Bond Formation. ACS Catalysis, 2022, 12, 560-567.	11.2	3
74	New Î²-strand macrocyclic peptidomimetic analogues containing Î±-(O-, S- or NH-)aryl substituted glycine residues: synthesis, chemical and enzymatic properties. Organic and Biomolecular Chemistry, 2003, 1, 1676-1683.	2.8	2
75	CMTX Disorder and CamKinase. Frontiers in Cellular Neuroscience, 2016, 10, 49.	3.7	2
76	Identification of 8-Hydroxyquinoline Derivatives That Decrease Cystathionine Beta Synthase (CBS) Activity. International Journal of Molecular Sciences, 2022, 23, 6769.	4.1	2
77	New 2-Bromomethyl-8-substituted-benzo[c]chromen-6-ones. Synthesis and Biological Properties.. ChemInform, 2005, 36, no.	0.0	0
78	1-Phenyl-3H-2,3-benzodiazepin-4(5H)-one. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o2443-o2443.	0.2	0
79	The effect of neuropeptide FF in the amygdala kindling model. Acta Neurologica Scandinavica, 2016, 134, 181-188.	2.1	0