Frederic Jj Bihel

List of Publications by Year
in descending order

79	1,911	318942	325983
papers	citations	23 h-index	40 g-index

93	93	93	2728
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In Situ Formation of Cationic Ï€-Allylpalladium Precatalysts in Alcoholic Solvents: Application to Câ€“N Bond Formation. ACS Catalysis, 2022, 12, 560-567.	5.5	3
2	Identification of 8-Hydroxyquinoline Derivatives That Decrease Cystathionine Beta Synthase (CBS) Activity. International Journal of Molecular Sciences, 2022, 23, 6769.	1.8	2
3	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.	1.7	5
4	Anti-prion Drugs Targeting the Protein Folding Activity of the Ribosome Reduce PABPN1 Aggregation. Neurotherapeutics, 2021, 18, 1137-1150.	2.1	8
5	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.	2.9	4
6	Comprehensive overview of biased pharmacology at the opioid receptors: biased ligands and bias factors. RSC Medicinal Chemistry, 2021, 12, 828-870.	1.7	16
7	Mitochondria modulatory effects of new TSPO ligands in a cellular model of tauopathies. Journal of Neuroendocrinology, 2020, 32, e12796.	1.2	22
8	From Electronic Waste to Suzukiâ^'Miyaura Crossâ€€Coupling Reaction in Water: Direct Valuation of Recycled Palladium in Catalysis. ChemSusChem, 2020, 13, 5224-5230.	3.6	10
9	Diastereoselective Synthesis of Nonplanar 3-Amino-1,2,4-oxadiazine Scaffold: Structure Revision of Alchornedine. Journal of Organic Chemistry, 2020, 85, 15347-15359.	1.7	3
10	Minimizing HCN in DIC/Oxyma-Mediated Amide Bond-Forming Reactions. Organic Process Research and Development, 2020, 24, 1341-1349.	1.3	21
11	TSPO Ligands Boost Mitochondrial Function and Pregnenolone Synthesis. Journal of Alzheimer's Disease, 2019, 72, 1045-1058.	1.2	38
12	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.	2.6	16
13	Fukuyama Cross-Coupling Approach to Isoprekinamycin: Discovery of the Highly Active and Bench-Stable Palladium Precatalyst POxAP. Organic Letters, 2019, 21, 844-848.	2.4	28
14	Dioxygenation of styrenes with molecular oxygen in water. Tetrahedron Letters, 2018, 59, 1465-1468.	0.7	6
15	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.	2.6	11
16	A bifunctional-biased mu-opioid agonistâ€“neuropeptide FF receptor antagonist as analgesic with improved acute and chronic side effects. Pain, 2018, 159, 1705-1718.	2.0	25
17	Heteroarylguanidines as Allosteric Modulators of ASIC1a and ASIC3 Channels. ACS Chemical Neuroscience, 2018, 9, 1357-1365.	1.7	18
18	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.	1.8	5

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19	Human erythrocytes release ATP by a novel pathway involving VDAC oligomerization independent of pannexin-1. Scientific Reports, 2018, 8, 11384.	1.6	26
20	Aminoguanidine Hydrazone Derivatives as Nonpeptide NPFF1 Receptor Antagonists Reverse Opioid Induced Hyperalgesia. ACS Chemical Neuroscience, 2018, 9, 2599-2609.	1.7	17
21	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.	2.0	18
22	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.	1.8	28
23	Efficient and Mild Ullmannâ€Type Nâ€Arylation of Amides, Carbamates, and Azoles in Water. Chemistry - A European Journal, 2017, 23, 13676-13683.	1.7	25
24	Development of a Lâ€Tryptophanâ€Based Ligand for Regioselective Copper Catalyzed N²â€Arylation of 1,2,3â€Triazoles. ChemistrySelect, 2017, 2, 6544-6548.	0.7	5
25	Discovery of Imidazoquinazolinone Derivatives as TSPO Ligands Modulating Neurosteroidogenesis and Cellular Bioenergetics in Neuroblastoma Cells Expressing Amyloid Precursor Protein. ChemistrySelect, 2017, 2, 6452-6457.	0.7	9
26	Ï‡-Space Screening of Dermorphin-Based Tetrapeptides through Use of Constrained Arylazepinone and Quinolinone Scaffolds. ACS Medicinal Chemistry Letters, 2017, 8, 1177-1182.	1.3	4
27	CMTX Disorder and CamKinase. Frontiers in Cellular Neuroscience, 2016, 10, 49.	1.8	2
28	The effect of neuropeptide FF in the amygdala kindling model. Acta Neurologica Scandinavica, 2016, 134, 181-188.	1.0	0
29	Development of Dipeptidic hGPR54 Agonists. ChemMedChem, 2016, 11, 2147-2154.	1.6	6
30	TSPO ligands stimulate ZnPPIX transport and ROS accumulation leading to the inhibition of P. falciparum growth in human blood. Scientific Reports, 2016, 6, 33516.	1.6	17
31	<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.	3.6	30
32	Opioid adjuvant strategy: improving opioid effectiveness. Future Medicinal Chemistry, 2016, 8, 339-354.	1.1	14
33	RF-amide neuropeptides and their receptors in Mammals: Pharmacological properties, drug development and main physiological functions. , 2016, 160, 84-132.		48
34	Synthesis of 3-amino-3,4-dihydro-1H-quinolin-2-ones through regioselective palladium-catalyzed intramolecular cyclization. Tetrahedron Letters, 2016, 57, 1547-1550.	0.7	4
35	CMTX1 patientsâ€™ cells present genomic instability corrected by CamKII inhibitors. Orphanet Journal of Rare Diseases, 2015, 10, 56.	1.2	6
36	The longâ€lasting love affair between the budding yeast Saccharomyces cerevisiae and the Epsteinâ€Barr virus. Biotechnology Journal, 2015, 10, 1670-1681.	1.8	13

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37	A Yeast/DrosophilaScreen to Identify New Compounds Overcoming Frataxin Deficiency. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-10.	1.9	12
38	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.	1.5	6
39	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.	1.1	4
40	Neuropeptide <scp>FF</scp> and prolactinâ€releasing peptide decrease cortical excitability through activation of NPFF receptors. Epilepsia, 2015, 56, 489-498.	2.6	4
41	Development of a Peptidomimetic Antagonist of Neuropeptide FF Receptors for the Prevention of Opioid-Induced Hyperalgesia. ACS Chemical Neuroscience, 2015, 6, 438-445.	1.7	22
42	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.	1.2	13
43	Neuropeptide FF receptors as novel targets for limbic seizure attenuation. Neuropharmacology, 2015, 95, 415-423.	2.0	4
44	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.	1.4	9
45	Fully Regiocontrolled Polyarylation of Pyridine. Journal of Organic Chemistry, 2014, 79, 908-918.	1.7	49
46	Buchwaldâ€“Hartwig reactions in water using surfactants. Tetrahedron, 2014, 70, 3413-3421.	1.0	42
47	Access to 4-Alkylaminopyridazine Derivatives via Nitrogen-Assisted Regioselective Pd-Catalyzed Reactions. Journal of Organic Chemistry, 2014, 79, 10311-10322.	1.7	13
48	t-BuXPhos: a highly efficient ligand for Buchwaldâ€“Hartwig coupling in water. Green Chemistry, 2014, 16, 4170-4178.	4.6	62
49	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.	1.7	25
50	N-Heteroarylation of Chiral Î±-Aminoesters by Means of Palladium-Catalyzed Buchwaldâ€“Hartwig Reaction. Journal of Organic Chemistry, 2013, 78, 7930-7937.	1.7	28
51	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.	1.7	10
52	Endogenous mammalian RF-amide peptides, including PrRP, kisspeptin and 26RFa, modulate nociception and morphine analgesia via NPFF receptors. Neuropharmacology, 2013, 75, 164-171.	2.0	90
53	Trisubstitution of pyridine through sequential and regioselective palladium cross-coupling reactions affording analogs of known GPR54 antagonists. RSC Advances, 2013, 3, 10296.	1.7	9
54	The neuroprotector kynurenic acid increases neuronal cell survival through neprilysin induction. Neuropharmacology, 2013, 70, 254-260.	2.0	65

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55	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.	0.9	6
56	Palladium-Catalyzed Synthesis of Substituted Pyrido[2,3-d]pyridazines at Positions 5 and 8. Synthesis, 2012, 44, 3216-3224.	1.2	6
57	1-Phenyl-3H-2,3-benzodiazepin-4(5H)-one. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o2443-o2443.	0.2	0
58	Development of sub-nanomolar dipeptidic ligands of neuropeptide FF receptors. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 7471-7474.	1.0	14
59	Direct Guanidinylation of Aryl and Heteroaryl Halides via Copper-Catalyzed Cross-Coupling Reaction. Journal of Organic Chemistry, 2012, 77, 417-423.	1.7	28
60	Involvement of neuropeptide FF receptors in neuroadaptive responses to acute and chronic opiate treatments. British Journal of Pharmacology, 2012, 165, 424-435.	2.7	64
61	New PDE4 inhibitors based on pharmacophoric similarity between papaverine and tofisopam. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6567-6572.	1.0	12
62	Pharmacological characterization of the mouse NPFF2 receptor. Peptides, 2010, 31, 215-220.	1.2	11
63	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.	0.7	81
64	Synthesis and Reactivity of 2,3-Dihydro-1H-2,3-benzodiazepine-1,4(5H)-dione. Synthesis, 2007, 2007, 3791-3796.	1.2	8
65	Microwave-assisted cyclic amidine synthesis using TiCl4. Organic and Biomolecular Chemistry, 2006, 4, 3142.	1.5	17
66	New 2-bromomethyl-8-substituted-benzo[c]chromen-6-ones. Synthesis and biological properties. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 135-138.	1.0	59
67	New 2-Bromomethyl-8-substituted-benzo[c]chromen-6-ones. Synthesis and Biological Properties.. ChemInform, 2005, 36, no.	0.1	0
68	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.	3.3	208
69	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.	1.5	19
70	N-Acyl substituted 7-amino-4-chloroisocoumarin: A peptide degradation model via an imide mechanism. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 1771-1774.	1.0	4
71	Discovery of a Subnanomolar Helicald-Tridecapeptide Inhibitor of Î³-Secretase. Journal of Medicinal Chemistry, 2004, 47, 3931-3933.	2.9	55
72	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.	1.4	44

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73	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.	1.5	2
74	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.	1.5	3
75	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.	1.5	29
76	Synthesis and Antiviral Activity of New Anti-HIV Amprenavir Bioisosteres. Journal of Medicinal Chemistry, 2002, 45, 3321-3324.	2.9	16
77	New 3â€˜-Azido-3â€˜-deoxythymidin-5â€˜-ylO-(Ï‰-Hydroxyalkyl) Carbonate Prodrugs:Â Synthesis and Anti-HIV Evaluation. Journal of Medicinal Chemistry, 2001, 44, 777-786.	2.9	35
78	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
79	New protease inhibitors prevent Î³-secretase-mediated production of AÎ²40/42 without affecting Notch cleavage. Nature Cell Biology, 2001, 3, 507-511.	4.6	181