Stphane Bach

List of Publications by Citations

85 papers	2,158 citations	23 h-index	44 g-index
92 ext. papers	2,460 ext. citations	5.1 avg, IF	4.16 L-index

#	Paper	IF	Citations
85	Roscovitine targets, protein kinases and pyridoxal kinase. *Journal of Biological Chemistry*, **2005**, 280, 31208-19	5.4	278
84	Isolation of drugs active against mammalian prions using a yeast-based screening assay. *Nature Biotechnology*, **2003**, 21, 1075-81	44.5	154
83	The BRET technology and its application to screening assays. *Biotechnology Journal*, **2008**, 3, 311-24	5.6	131
82	Synthesis and target identification of hymenialdisine analogs. *Chemistry and Biology*, **2004**, 11, 247-59		115
81	Degradation of Hof1 by SCF(Grr1) is important for actomyosin contraction during cytokinesis in yeast. *EMBO Journal*, **2005**, 24, 1440-52	13	98
80	Antihypertensive drug guanabenz is active in vivo against both yeast and mammalian prions. *PLoS ONE*, **2008**, 3, e1981	3.7	90
79	Independent actions on cyclin-dependent kinases and aryl hydrocarbon receptor mediate the antiproliferative effects of indirubins. *Oncogene*, **2004**, 23, 4400-12	9.2	81
78	Cytotoxicity of diatom-derived oxylipins in organisms belonging to different phyla. *Journal of Experimental Biology*, **2004**, 207, 2935-46	3	76
77	Improved tumor control through circadian clock induction by Seliciclib, a cyclin-dependent kinase inhibitor. *Cancer Research*, **2006**, 66, 10720-8	10.1	75
76	Delayed treatment with systemic (S)-roscovitine provides neuroprotection and inhibits in vivo CDK5 activity increase in animal stroke models. *PLoS ONE*, **2010**, 5, e12117	3.7	72
75	Crystal structure of pyridoxal kinase in complex with roscovitine and derivatives. *Journal of Biological Chemistry*, **2005**, 280, 31220-9	5.4	62
74	Protein folding activity of ribosomal RNA is a selective target of two unrelated antiprion drugs. *PLoS ONE*, **2008**, 3, e2174	3.7	58
73	A comparative insight of potassium vanadates as positive electrode materials for Li batteries: influence of the long-range and local structure. *Inorganic Chemistry*, **2014**, 53, 1764-72	5.1	49
72	Identification of intracellular targets of small molecular weight chemical compounds using affinity chromatography. *Biotechnology Journal*, **2007**, 2, 68-75	5.6	47
71	Raman investigation of the structural changes in anatase LixTiO2 upon electrochemical lithium insertion. *Journal of Raman Spectroscopy*, **2004**, 35, 577-585	2.3	43
70	Bioprospecting marine plankton. *Marine Drugs*, **2013**, 11, 4594-611	6	41
69	Effect of Bi-doping on the electrochemical behaviour of layered MnO2 as lithium intercalation compound. *Electrochimica Acta*, **1995**, 40, 785-789	6.7	35

68	Structural and electrochemical properties of layered manganese dioxides in relation to their synthesis: classical and sol□gel routes. *Journal of Materials Chemistry*, **1994**, 4, 875-881		31
67	Design, biological evaluation and X-ray crystallography of nanomolar multifunctional ligands targeting simultaneously acetylcholinesterase and glycogen synthase kinase-3. *European Journal of Medicinal Chemistry*, **2019**, 168, 58-77	6.8	31
66	Preparation by a □himie douce□route and characterization of (LiNizMn1 □O2)(0.5?z?1) cathode materials. *Journal of Materials Chemistry*, **1996**, 6, 1149-1155		27
65	First BRET-based screening assay performed in budding yeast leads to the discovery of CDK5/p25 interaction inhibitors. *Biotechnology Journal*, **2011**, 6, 860-70	5.6	25
64	Marine Natural Products from New Caledonia--A Review. *Marine Drugs*, **2016**, 14,	6	24
63	Synthesis, biological evaluation and molecular modeling studies of imidazo[1,2-a]pyridines derivatives as protein kinase inhibitors. *European Journal of Medicinal Chemistry*, **2016**, 123, 105-114	6.8	24
62	Tamoxifen inhibits CDK5 kinase activity by interacting with p35/p25 and modulates the pattern of tau phosphorylation. *Chemistry and Biology*, **2015**, 22, 472-482		23
61	Chemical lithium insertion into sol□gel lamellar manganese dioxide MnO1.85□nH2O. *Journal of Materials Chemistry*, **1994**, 4, 133-137		22
60	Development of new highly potent imidazo[1,2-b]pyridazines targeting Toxoplasma gondii calcium-dependent protein kinase 1. *European Journal of Medicinal Chemistry*, **2015**, 105, 80-105	6.8	21
59	2-Aminophenones, a common precursor to N-aryl isatins and acridines endowed with bioactivities. *Tetrahedron*, **2018**, 74, 1785-1801	2.4	21
58	Structure-based design of novel quinoxaline-2-carboxylic acids and analogues as Pim-1 inhibitors. *European Journal of Medicinal Chemistry*, **2018**, 154, 101-109	6.8	21
57	New pyrido[3,4-g]quinazoline derivatives as CLK1 and DYRK1A inhibitors: synthesis, biological evaluation and binding mode analysis. *European Journal of Medicinal Chemistry*, **2019**, 166, 304-317	6.8	18
56	Fused Systems Based on 2-Aminopyrimidines: Synthesis Combining Deprotolithiation-in situ Zincation with N-Arylation Reactions and Biological Properties. *European Journal of Organic Chemistry*, **2017**, 2017, 5903-5915	3.2	18
55	A single step synthesis of 6-aminophenanthridines from anilines and 2-chlorobenzonitriles. *Tetrahedron*, **2004**, 60, 4705-4708	2.4	18
54	Synthesis, antileishmanial activity and cytotoxicity of 2,3-diaryl- and 2,3,8-trisubstituted imidazo[1,2-a]pyrazines. *European Journal of Medicinal Chemistry*, **2015**, 103, 381-95	6.8	15
53	An in silico approach for the discovery of CDK5/p25 interaction inhibitors. *Biotechnology Journal*, **2011**, 6, 871-81	5.6	15
52	Co-deletion of the MSB3 and MSB4 coding regions affects bipolar budding and perturbs the organization of the actin cytoskeleton. *Yeast*, **2000**, 16, 1015-23	3.4	15
51	Electrochemical proton insertion in manganese spinel oxides from aqueous borate solution. *Electrochimica Acta*, **1999**, 44, 2705-2709	6.7	15

50	Effect of cell cycle arrest on intermediate metabolism in the marine diatom. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E8007-E8016	11.5	14
49	Sibiriline, a new small chemical inhibitor of receptor-interacting protein kinase 1, prevents immune-dependent hepatitis. *FEBS Journal*, **2017**, 284, 3050-3068	5.7	13
48	Inhibition of RNA recruitment and replication of an RNA virus by acridine derivatives with known anti-prion activities. *PLoS ONE*, **2009**, 4, e7376	3.7	13
47	Antiprion drugs as chemical tools to uncover mechanisms of prion propagation. *Prion*, **2007**, 1, 48-52	2.3	13
46	Synthesis of conjugates of 6-aminophenanthridine and guanabenz, two structurally unrelated prion inhibitors, for the determination of their cellular targets by affinity chromatography. *Bioconjugate Chemistry*, **2010**, 21, 279-88	6.3	12
45	Bilayered Potassium Vanadate K V O as Superior Cathode Material for Na-Ion Batteries. *ChemSusChem*, **2019**, 12, 5192-5198	8.3	11
44	Expression in a RabGAP yeast mutant of two human homologues, one of which is an oncogene. *Biochemical and Biophysical Research Communications*, **2003**, 310, 498-504	3.4	11
43	Functionalization of 9-thioxanthone at the 1-position: From arylamino derivatives to [1]benzo(thio)pyrano[4,3,2-de]benzothieno[2,3-b]quinolines of biological interest. *Bioorganic Chemistry*, **2020**, 94, 103347	5.1	11
42	Synthesis and evaluation of new isatin-aminorhodanine hybrids as PIM1 and CLK1 kinase inhibitors. *Journal of Molecular Structure*, **2019**, 1192, 82-90	3.4	9
41	Synthesis of N-pyridyl azoles using a deprotometalation-iodolysis-N-arylation sequence and evaluation of their antiproliferative activity in melanoma cells. *Tetrahedron*, **2016**, 72, 6467-6476	2.4	9
40	Identification of a new series of flavopiridol-like structures as kinase inhibitors with high cytotoxic potency. *European Journal of Medicinal Chemistry*, **2020**, 199, 112355	6.8	9
39	Screening for Protein-Protein Interaction Inhibitors Using a Bioluminescence Resonance Energy Transfer (BRET)-Based Assay in Yeast. *SLAS Discovery*, **2017**, 22, 751-759	3.4	8
38	Development of a CDK10/CycM Kinase Screening Assay and Identification of First Small-Molecule Inhibitors. *Frontiers in Chemistry*, **2020**, 8, 147	5	8
37	Synthetic Development of New 3-(4-Arylmethylamino)butyl-5-arylidene-rhodanines under Microwave Irradiation and Their Effects on Tumor Cell Lines and against Protein Kinases. *Molecules*, **2015**, 20, 12412-35	4.8	8
36	Kinase inhibitions in pyrido[4,3-h] and [3,4-g]quinazolines: Synthesis, SAR and molecular modeling studies. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 2083-2089	3.4	7
35	A combined experimental and theoretical study of the thermal [3+2] cycloaddition of carbonyl ylides with activated alkenes. *Journal of Molecular Structure*, **2018**, 1157, 276-287	3.4	7
34	New Antimicrobials Targeting Bacterial RNA Polymerase Holoenzyme Assembly Identified with an BRET-Based Discovery Platform. *ACS Chemical Biology*, **2019**, 14, 1727-1736	4.9	7
33	Studies on the reduction of birnessite thin layers: Influence of medium. *Electrochimica Acta*, **2011**, 56, 8564-8570	6.7	7

32	Synthesis and anticancer activity of novel bisindolylhydroxymaleimide derivatives with potent GSK-3 kinase inhibition. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 4209-4224	3.4	6
31	Effect of cobalt substitution on Li(3-2x)Co(x)N local structure: a XAS investigation. *Inorganic Chemistry*, **2014**, 53, 6127-31	5.1	6
30	Cellular coexistence of two high molecular subsets of eEF1B complex. *FEBS Letters*, **2006**, 580, 2755-60	3.8	6
29	Microwave synthesis of new 3-(3-aminopropyl)-5-arylidene- 2-thioxo-1,3-thiazolidine-4-ones as potential Ser/Thr protein kinase inhibitors. *Medicinal Chemistry Research*, **2016**, 25, 2940-2958	2.2	6
28	Neurymenolide A, a Novel Mitotic Spindle Poison from the New Caledonian Rhodophyta. *Marine Drugs*, **2019**, 17,	6	5
27	Synthesis, Docking Study and Kinase Inhibitory Activity of a Number of New Substituted Pyrazolo[3,4-c]pyridines. *Chemical and Pharmaceutical Bulletin*, **2017**, 65, 66-81	1.9	5
26	Azine and Diazine Functionalization Using 2,2,6,6-Tetramethylpiperidino-Based Lithium□Metal Combinations: Application to the Synthesis of 5,9-Disubstituted Pyrido[3?,2?:4,5]pyrrolo[1,2-c]pyrimidines. *Synlett*, **2015**, 26, 2811-2816	2.2	5
25	Identification of potential cellular targets of aloisine A by affinity chromatography. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 5572-82	3.4	5
24	From simple quinoxalines to potent oxazolo[5,4-f]quinoxaline inhibitors of glycogen-synthase kinase 3 (GSK3). *Organic and Biomolecular Chemistry*, **2019**, 18, 154-162	3.9	5
23	In□vitro identification of imidazo[1,2-a]pyrazine-based antileishmanial agents and evaluation of L.□major casein kinase 1 inhibition. *European Journal of Medicinal Chemistry*, **2021**, 210, 112956	6.8	4
22	From Quinoxaline, Pyrido[2,3-]pyrazine and Pyrido[3,4-]pyrazine to Pyrazino-Fused Carbazoles and Carbolines. *Molecules*, **2018**, 23,	4.8	4
21	Benzofuro[3,2-d]pyrimidines inspired from cercosporamide CaPkc1 inhibitor: Synthesis and evaluation of fluconazole susceptibility restoration. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 2250-2255	2.9	4
20	LiNiN, a Promising Negative Electrode Material for Li-Ion Batteries with a Soft Structural Response. *Inorganic Chemistry*, **2017**, 56, 13815-13821	5.1	3
19	The Anti- Agent 4-AN Inhibits Multiple Protein Kinases. *Molecules*, **2019**, 24,	4.8	3
18	Discovery of simplified benzazole fragments derived from the marine benzosceptrin B as necroptosis inhibitors involving the receptor interacting protein Kinase-1. *European Journal of Medicinal Chemistry*, **2020**, 201, 112337	6.8	3
17	Synthesis and evaluation of 7-azaindole derivatives bearing benzocycloalkanone motifs as protein kinase inhibitors. *Bioorganic and Medicinal Chemistry*, **2020**, 28, 115468	3.4	3
16	Kinase-Based Screening of Marine Natural Extracts Leads to the Identification of a Cytotoxic High Molecular Weight Metabolite from the Mediterranean Sponge. *Marine Drugs*, **2019**, 17,	6	3
15	Synthesis and biological evaluation of selected 7-azaindole derivatives as CDK9/Cyclin T and Haspin inhibitors. *Medicinal Chemistry Research*, **2020**, 29, 1449-1462	2.2	3

14	Discovery of DB18, a potent inhibitor of CLK kinases with a high selectivity against DYRK1A kinase. *Bioorganic and Medicinal Chemistry*, **2021**, 31, 115962	3.4	3
13	From Synthetic Simplified Marine Metabolite Analogues to New Selective Allosteric Inhibitor of Aurora B Kinase. *Journal of Medicinal Chemistry*, **2021**, 64, 1197-1219	8.3	2
12	New Quinoxaline Derivatives as Dual Pim-1/2 Kinase Inhibitors: Design, Synthesis and Biological Evaluation. *Molecules*, **2021**, 26,	4.8	2
11	Synthesis and evaluation of C3 substituted chalcone-based derivatives of 7-azaindole as protein kinase inhibitors. *Chemical Biology and Drug Design*, **2020**, 96, 1395-1407	2.9	1
10	Constituents of Acacia nilotica (L.) Delile with Novel Kinase Inhibitory Activity. *Planta Medica International Open*, **2017**, 4, e108-e113	0.8	1
9	Streptomyces hygroscopicus UFPEDA 3370: A valuable source of the potent cytotoxic agent nigericin and its evaluation against human colorectal cancer cells. *Chemico-Biological Interactions*, **2021**, 333, 109316	5	1
8	Discovery of Novel (Imidazo[1,2-a]pyrazin-6-yl)ureas as Antiproliferative Agents Targeting P53 in Non-small Cell Lung Cancer Cell Lines. *Anticancer Research*, **2016**, 36, 1621-30	2.3	1
7	Regorafenib analogues and their ferrocenic counterparts: synthesis and biological evaluation. *New Journal of Chemistry*, **2020**, 44, 19723-19733	3.6	0
6	Synthesis of New 2-Phenylamino-4<i>H</i>-chromene-3-carbonitrile Derivatives and Their Effects on Tumor Cell Lines and against Protein Kinases. *International Journal of Organic Chemistry*, **2020**, 10, 88-103	0.3	0
5	Thiazolo[5,4-f]quinoxalines, Oxazolo[5,4-f]quinoxalines and Pyrazino[b,e]isatins: Synthesis from 6-Aminoquinoxalines and Properties. *European Journal of Organic Chemistry*, **2021**, 2021, 2756-2763	3.2	0
4	Exploration of 7-azaindole-coumaranone hybrids and their analogues as protein kinase inhibitors. *Chemico-Biological Interactions*, **2021**, 343, 109478	5	0
3	Synthesis and biological evaluation of selected 7H-pyrrolo[2,3-d]pyrimidine derivatives as novel CDK9/CyclinT and Haspin inhibitors. *Chemico-Biological Interactions*, **2021**, 349, 109643	5	0
2	Nigratine as dual inhibitor of necroptosis and ferroptosis regulated cell death.. *Scientific Reports*, **2022**, 12, 5118	4.9	0
1	Discovery of thiazolidin-4-one analogue as selective GSK-3 inhibitor through structure based virtual screening. *Bioorganic and Medicinal Chemistry Letters*, **2021**, 52, 128375	2.9	