Jean-FranÃ§ois Bodart

List of Publications by Year
in descending order

45 papers	977 citations	471509 17 h-index	454955 30 g-index
45 all docs	45 docs citations	45 times ranked	1354 citing authors

#	Article	IF	Citations
1	NMR observation of Tau in Xenopus oocytes. Journal of Magnetic Resonance, 2008, 192, 252-257.	2.1	100
2	Cellular and in vivo toxicity of functionalized nanodiamond in Xenopus embryos. Journal of Materials Chemistry, 2010, 20, 8064.	6.7	98
3	Identification of Structural and Functional O-Linked N-Acetylglucosamine-bearing Proteins in Xenopus laevis Oocyte. Molecular and Cellular Proteomics, 2008, 7, 2229-2245.	3.8	70
4	O-Linked N-Acetylglucosaminyltransferase Inhibition Prevents G2/M Transition in Xenopus laevis Oocytes. Journal of Biological Chemistry, 2007, 282, 12527-12536.	3.4	63
5	Dual Targeting of Insulin and Venus Kinase Receptors of Schistosoma mansoni for Novel Anti-schistosome Therapy. PLoS Neglected Tropical Diseases, 2013, 7, e2226.	3.0	45
6	Xp38Â/SAPK3 promotes meiotic G2/M transition in Xenopus oocytes and activates Cdc25C. EMBO Journal, 2003, 22, 5746-5756.	7.8	42
7	Optimization of ERK Activity Biosensors for both Ratiometric and Lifetime FRET Measurements. Sensors, 2014, 14, 1140-1154.	3.8	42
8	Modulation of O-GlcNAc glycosylation duringXenopus oocyte maturation. Journal of Cellular Biochemistry, 2004, 93, 999-1010.	2.6	39
9	Microinjection of recombinant O-GlcNAc transferase potentiates Xenopus oocytes M-phase entry. Biochemical and Biophysical Research Communications, 2008, 369, 539-546.	2.1	38
10	Plasmodium falciparumencodes a conserved active inhibitor-2 for Protein Phosphatase type 1: perspectives for novel anti-plasmodial therapy. BMC Biology, 2013, 11, 80.	3.8	37
11	Insulin loaded iron magnetic nanoparticleâ€“graphene oxide composites: synthesis, characterization and application for in vivo delivery of insulin. RSC Advances, 2014, 4, 865-875.	3.6	33
12	From FRET Imaging to Practical Methodology for Kinase Activity Sensing in Living Cells. Progress in Molecular Biology and Translational Science, 2013, 113, 145-216.	1.7	26
13	Xp42Mpk1 Activation Is Not Required for Germinal Vescicle Breakdown but for Raf Complete Phosphorylation in Insulin-stimulated Xenopus Oocytes. Journal of Biological Chemistry, 2003, 278, 49714-49720.	3.4	24
14	Activation of Xenopus Eggs by the Kinase Inhibitor 6-DMAP Suggests a Differential Regulation of Cyclin B and p39mos Proteolysis. Experimental Cell Research, 1999, 253, 413-421.	2.6	21
15	Survey of O-GlcNAc level variations in Xenopus laevis from oogenesis to early development. Glycoconjugate Journal, 2009, 26, 301-311.	2.7	21
16	The spatio-temporal dynamics of PKA activity profile during mitosis and its correlation to chromosome segregation. Cell Cycle, 2014, 13, 3232-3240.	2.6	20
17	Differential effects of 6-DMAP, olomoucine and roscovitine on Xenopus oocytes and eggs. Zygote, 2000, 8, 3-14.	1.1	19
18	PhosphoTyrosyl Phosphatase Activator of Plasmodium falciparum: Identification of Its Residues Involved in Binding to and Activation of PP2A. International Journal of Molecular Sciences, 2014, 15, 2431-2453.	4.1	19

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19	Intracellular acidification delays hormonal G2/M transition and inhibits G2/M transition triggered by thiophosphorylated MAPK inXenopus oocytes. Journal of Cellular Biochemistry, 2006, 98, 287-300.	2.6	18
20	Cadmium but not lead exposure affects Xenopus laevis fertilization and embryo cleavage. Aquatic Toxicology, 2016, 177, 1-7.	4.0	17
21	Inhibition of protein tyrosine phosphatases blocks calcium-induced activation of metaphase II-arrested oocytes ofXenopus laevis. FEBS Letters, 1999, 457, 175-178.	2.8	15
22	Synthesis, Structure, and Antiproliferative Activity of Ruthenium(II) Arene Complexes of Indenoisoquinoline Derivatives. Organometallics, 2016, 35, 2868-2872.	2.3	14
23	Xenopus laevis oocyte maturation is affected by metal chlorides. Toxicology in Vitro, 2015, 29, 1124-1131.	2.4	13
24	Calcium Dynamics During Physiological Acidification in Xenopus Oocyte. Journal of Membrane Biology, 2010, 236, 233-245.	2.1	12
25	Endogenously produced hydrogen sulfide is involved in porcine oocyte maturation inÂvitro. Nitric Oxide - Biology and Chemistry, 2015, 51, 24-35.	2.7	12
26	Maturation of Xenopus laevis oocytes under cadmium and lead exposures: Cell biology investigations. Aquatic Toxicology, 2017, 193, 105-110.	4.0	12
27	Minireview: Metaphase arrest in amphibian oocytes: Interaction between CSF and MPF sets the equilibrium. Molecular Reproduction and Development, 2002, 61, 570-574.	2.0	11
28	Signal propagation of the MAPK cascade in Xenopus oocytes: role of bistability and ultrasensitivity for a mixed problem. Journal of Mathematical Biology, 2012, 64, 1-39.	1.9	11
29	Hydrogen Sulfide Donor Protects Porcine Oocytes against Aging and Improves the Developmental Potential of Aged Porcine Oocytes. PLoS ONE, 2015, 10, e0116964.	2.5	11
30	Dual Effects of Hydrogen Sulfide Donor on Meiosis and Cumulus Expansion of Porcine Cumulus-Oocyte Complexes. PLoS ONE, 2014, 9, e99613.	2.5	11
31	Nitric Oxide-Donor SNAP Induces Xenopus Eggs Activation. PLoS ONE, 2012, 7, e41509.	2.5	9
32	Procaine-induced maturation of Xenopus oocytes is mediated by a transient activation of M-Phase promoting factor. Zygote, 1997, 5, 11-19.	1.1	8
33	Nitric Oxide Donors-Nitroso-n-Acetyl Penicillamine (SNAP) Alters Meiotic Spindle Morphogenesis inXenopusOocytes. Journal of Cellular Biochemistry, 2015, 116, 2445-2454.	2.6	8
34	Effects of glyphosate and a commercial formulation RoundupÂ® exposures on maturation of Xenopus laevis oocytes. Environmental Science and Pollution Research, 2020, 27, 3697-3705.	5.3	8
35	Protein phosphatase 2A holoenzymes regulate leucine-rich repeat kinase 2 phosphorylation and accumulation. Neurobiology of Disease, 2021, 157, 105426.	4.4	7
36	Gasotransmitters in Gametogenesis and Early Development: Holy Trinity for Assisted Reproductive Technologyâ€"A Review. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-12.	4.0	5

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37	A Dynamical Model of Oocyte Maturation Unveils Precisely Orchestrated Meiotic Decisions. PLoS Computational Biology, 2012, 8, e1002329.	3.2	5
38	Novel Reporter for Faithful Monitoring of ERK2 Dynamics in Living Cells and Model Organisms. PLoS ONE, 2015, 10, e0140924.	2.5	5
39	Effects of Ferrocenyl 4-(Imino)-1,4-Dihydro-quinolines on Xenopus laevis Prophase I - Arrested Oocytes: Survival and Hormonal-Induced M-Phase Entry. International Journal of Molecular Sciences, 2020, 21, 3049.	4.1	3
40	Hydrogen Sulfide Impairs Meiosis Resumption in Xenopus laevis Oocytes. Cells, 2020, 9, 237.	4.1	3
41	Ultrasensitive MAPK/Erk activation in absence of protein synthesis in Xenopus oocytes. MAP Kinase, 2013, 2, .	0.3	1
42	Animal experimentation in transgenesis: evaluating course design in large classrooms. FEBS Open Bio, 2020, 10, 954-968.	2.3	1
43	Xenopus laevis as a Model to Identify Translation Impairment. Journal of Visualized Experiments, 2015, , .	0.3	0
44	From Nitric Oxide Toward S-Nitrosylation: Expanding Roles in Gametes and Embryos. , 2017, , .		0
45	FRET-Based Enzyme Activity Reporter: Practical Hints for Kinases as Indicators of Virulence. , 2018, , .		0