

francois Bouteau

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7297083/publications.pdf>

Version: 2024-02-01

64
papers

1,374
citations

331670

21
h-index

377865

34
g-index

64
all docs

64
docs citations

64
times ranked

1525
citing authors

#	ARTICLE	IF	CITATIONS
1	Biphasic activation of survival and death pathways in <i>Arabidopsis thaliana</i> cultured cells by sorbitol-induced hyperosmotic stress. <i>Plant Science</i> , 2021, 305, 110844.	3.6	0
2	Our sisters the plants? notes from phylogenetics and botany on plant kinship blindness. <i>Plant Signaling and Behavior</i> , 2021, 16, 2004769.	2.4	6
3	Ion Transport in Plant Cell Shrinkage During Death. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 566606.	3.7	3
4	Early Cellular Responses Induced by Sedimentary Calcite-Processed Particles in Bright Yellow 2 Tobacco Cultured Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4279.	4.1	5
5	Metabolism regulation during salt exposure in the halophyte <i>Cakile maritima</i> . <i>Environmental and Experimental Botany</i> , 2020, 177, 104075.	4.2	15
6	Activation of plasma membrane H ⁺ -ATPases participates in dormancy alleviation in sunflower seeds. <i>Plant Science</i> , 2019, 280, 408-415.	3.6	15
7	<i>Cakile maritima</i> , a promising model for halophyte studies and a putative cash crop for saline agriculture. <i>Advances in Agronomy</i> , 2019, 155, 45-78.	5.2	21
8	Enhanced elevations of hypo-osmotic shock-induced cytosolic and nucleic calcium concentrations in tobacco cells by pretreatment with dimethyl sulfoxide. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 318-321.	1.3	5
9	Cellular mechanisms to survive salt in the halophyte <i>Cakile maritima</i> . <i>Plant Science</i> , 2018, 272, 173-178.	3.6	12
10	Methanol induces cytosolic calcium variations, membrane depolarization and ethylene production in <i>Arabidopsis</i> and tobacco. <i>Annals of Botany</i> , 2018, 122, 849-860.	2.9	16
11	Root phototropism: Early signalling events following sound perception in <i>Arabidopsis</i> roots. <i>Plant Science</i> , 2017, 264, 9-15.	3.6	37
12	Batch Extraction of Oil from Rice Bran with Liquefied Low Temperature Dimethyl Ether. <i>Solvent Extraction Research and Development</i> , 2016, 23, 87-99.	0.4	10
13	Use of Liquefied Dimethyl Ether for the Extraction of Proteins from Vegetable Tissues. <i>Solvent Extraction Research and Development</i> , 2016, 23, 127-135.	0.4	12
14	Comparison of NaCl-induced programmed cell death in the obligate halophyte <i>Cakile maritima</i> and the glycophyte <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2016, 247, 49-59.	3.6	23
15	Impact of Repetitive Salt Shocks on Seedlings of the Halophyte <i>Cakile maritima</i> . <i>Environmental Control in Biology</i> , 2016, 54, 23-30.	0.7	3
16	Zinc-Dependent Protection of Tobacco and Rice Cells From Aluminum-Induced Superoxide-Mediated Cytotoxicity. <i>Frontiers in Plant Science</i> , 2015, 6, 1079.	3.6	4
17	Production and removal of superoxide anion radical by artificial metalloenzymes and redox-active metals. <i>Communicative and Integrative Biology</i> , 2015, 8, e1000710.	1.4	4
18	Early events induced by the toxin deoxynivalenol lead to programmed cell death in <i>Nicotiana tabacum</i> cells. <i>Plant Science</i> , 2015, 238, 148-157.	3.6	15

#	ARTICLE	IF	CITATIONS
19	Deciphering the dual effect of lipopolysaccharides from plant pathogenic <i>Pectobacterium</i> . <i>Plant Signaling and Behavior</i> , 2015, 10, e1000160.	2.4	12
20	Mitigation of copper toxicity by DNA oligomers in green paramecia. <i>Plant Signaling and Behavior</i> , 2015, 10, e1010919.	2.4	0
21	Could FaRP-Like Peptides Participate in Regulation of Hyperosmotic Stress Responses in Plants?. <i>Frontiers in Endocrinology</i> , 2014, 5, 132.	3.5	1
22	Acetylated 1,3-diaminopropane antagonizes abscisic acid-mediated stomatal closing in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2014, 79, 322-333.	5.7	43
23	Protection of tobacco cells from oxidative copper toxicity by catalytically active metal-binding DNA oligomers. <i>Journal of Experimental Botany</i> , 2014, 65, 1391-1402.	4.8	10
24	Deciphering early events involved in hyperosmotic stress-induced programmed cell death in tobacco BY-2 cells. <i>Journal of Experimental Botany</i> , 2014, 65, 1361-1375.	4.8	44
25	Post-transcriptional regulation of GORK channels by superoxide anion contributes to increases in outward-rectifying K ⁺ currents. <i>New Phytologist</i> , 2013, 198, 1039-1048.	7.3	42
26	An easy, simple inexpensive test for the specific detection of <i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i> based on sequence analysis of the <i>pmrA</i> gene. <i>BMC Microbiology</i> , 2013, 13, 176.	3.3	20
27	A role for oxalic acid generation in ozone-induced signaling in <i>Arabidopsis</i> cells. <i>Plant, Cell and Environment</i> , 2013, 36, 569-578.	5.7	19
28	Signaling Role of Salicylic Acid in Abiotic Stress Responses in Plants. , 2013, , 249-275.		5
29	Crosstalk between intracellular and extracellular salicylic acid signaling events leading to long-distance spread of signals. <i>Plant Cell Reports</i> , 2013, 32, 1125-1138.	5.6	29
30	Ozone-induced caspase-like activities are dependent on early ion channel regulations and ROS generation in <i>Arabidopsis thaliana</i> cells. <i>Plant Signaling and Behavior</i> , 2013, 8, e25170.	2.4	4
31	A study of the electrical polarization of <i>Sepia officinalis</i> yolk envelope, a role for Na ⁺ /K ⁺ -ATPases in osmoregulation?. <i>Communicative and Integrative Biology</i> , 2013, 6, e26035.	1.4	3
32	Salicylic Acid-Induced Local and Long-Distance Signaling Models in Plants. <i>Signaling and Communication in Plants</i> , 2013, , 23-52.	0.7	5
33	Finding and defining the natural automata acting in living plants: Toward the synthetic biology for robotics and informatics in vivo. <i>Communicative and Integrative Biology</i> , 2012, 5, 519-526.	1.4	11
34	Peroxyacetyl nitrate-induced oxidative and calcium signaling events leading to cell death in ozone-sensitive tobacco cell-line. <i>Plant Signaling and Behavior</i> , 2012, 7, 113-120.	2.4	15
35	Molecular typing of <i>Pectobacterium carotovorum</i> isolated from potato tuber soft rot in Morocco. <i>Annals of Microbiology</i> , 2012, 62, 1411-1417.	2.6	6
36	Plant Response to Stress: Microelectrode Voltage-Clamp Studies. , 2012, , 69-90.		0

#	ARTICLE	IF	CITATIONS
37	Increased Anion Channel Activity Is an Unavoidable Event in Ozone-Induced Programmed Cell Death. PLoS ONE, 2010, 5, e13373.	2.5	46
38	Arabidopsis thaliana Cells: A Model to Evaluate the Virulence of Pectobacterium carotovorum. Molecular Plant-Microbe Interactions, 2010, 23, 139-143.	2.6	9
39	Intracellular Ca ²⁺ -stores could participate to abscisic acid-induced depolarization and stomatal closure in Arabidopsis thaliana. Plant Signaling and Behavior, 2009, 4, 830-835.	2.4	20
40	Two different signaling pathways for thaxtomin A-induced cell death in Arabidopsis and tobacco BY2. Plant Signaling and Behavior, 2009, 4, 142-144.	2.4	5
41	Prevention of Copper-Induced Calcium Influx and Cell Death by Prion-Derived Peptide in Suspension-Cultured Tobacco Cells. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2009, 64, 411-417.	1.4	10
42	Discovery of oxidative burst in the field of plant immunity. Plant Signaling and Behavior, 2008, 3, 153-155.	2.4	47
43	Toxic and signalling effects of oxalic acid. Plant Signaling and Behavior, 2008, 3, 746-748.	2.4	24
44	Harpins and ion channels modulations. Plant Signaling and Behavior, 2008, 3, 314-316.	2.4	11
45	Anion channel activity is necessary to induce ethylene synthesis and programmed cell death in response to oxalic acid. Journal of Experimental Botany, 2008, 59, 3121-3129.	4.8	58
46	Cryptogein-Induced Anion Effluxes. Plant Signaling and Behavior, 2007, 2, 86-95.	2.4	27
47	Antagonistic action of harpin proteins: HrpWea from Erwinia amylovora suppresses HrpNea-induced cell death in Arabidopsis thaliana. Journal of Cell Science, 2007, 120, 3271-3278.	2.0	21
48	The HrpNea Harpin from Erwinia amylovora Triggers Differential Responses on the Nonhost Arabidopsis thaliana Cells and on the Host Apple Cells. Molecular Plant-Microbe Interactions, 2007, 20, 94-100.	2.6	41
49	Evidences of biological control capacities of Streptomyces spp. against Sclerotium rolfsii responsible for damping-off disease in sugar beet (Beta vulgaris L.). World Journal of Microbiology and Biotechnology, 2007, 23, 1503-1509.	3.6	129
50	A Putative Role for Fusaric Acid in Biocontrol of the Parasitic Angiosperm Orobanche ramosa. Molecular Plant-Microbe Interactions, 2006, 19, 550-556.	2.6	37
51	Competitive antagonism between IAA and indole alkaloid hypaphorine must contribute to regulate ontogenesis. Physiologia Plantarum, 2005, 123, 120-129.	5.2	35
52	A CFTR chloride channel activator prevents HrpNea-induced cell death in Arabidopsis thaliana suspension cells. Plant Physiology and Biochemistry, 2005, 43, 567-572.	5.8	17
53	Plasma Membrane Depolarization Induced by Abscisic Acid in Arabidopsis Suspension Cells Involves Reduction of Proton Pumping in Addition to Anion Channel Activation, Which Are Both Ca ²⁺ Dependent. Plant Physiology, 2004, 135, 231-243.	4.8	94
54	Inhibition of the Calcium Release-activated Calcium (CRAC) Current in Jurkat T Cells by the HIV-1 Envelope Protein gp160. Journal of Biological Chemistry, 2002, 277, 6044-6050.	3.4	17

#	ARTICLE	IF	CITATIONS
55	The Indolic Compound Hypaphorine Produced by Ectomycorrhizal Fungus Interferes with Auxin Action and Evokes Early Responses in Nonhost <i>Arabidopsis thaliana</i> . <i>Molecular Plant-Microbe Interactions</i> , 2002, 15, 932-938.	2.6	56
56	Harpin, a hypersensitive response elicitor from <i>Erwinia amylovora</i> , regulates ion channel activities in <i>Arabidopsis thaliana</i> suspension cells. <i>FEBS Letters</i> , 2001, 497, 82-84.	2.8	43
57	Effect of desiccation on potassium and anion currents from young root hairs: Implication on tip growth. <i>Physiologia Plantarum</i> , 2001, 113, 79-84.	5.2	18
58	Ion currents involved in early Nod factor response in <i>Medicago sativa</i> root hairs: a discontinuous single-electrode voltage-clamp study. <i>Plant Journal</i> , 2000, 22, 9-17.	5.7	33
59	Ion channels of intact young root hairs from <i>Medicago sativa</i> . <i>Plant Physiology and Biochemistry</i> , 1999, 37, 889-898.	5.8	17
60	HIV-1 gp160 decreases the K ⁺ voltage-gated current from Jurkat E6.1 T cells by up-phosphorylation. <i>FEBS Letters</i> , 1999, 443, 187-191.	2.8	19
61	Transient outward K ⁺ currents across the plasma membrane of laticifer from <i>Hevea brasiliensis</i> . <i>FEBS Letters</i> , 1999, 458, 185-187.	2.8	6
62	Pharmacological properties of slow anion currents in intact guard cells of <i>Arabidopsis</i> . Application of the discontinuous single-electrode voltage-clamp to different species. <i>Pflügers Archiv European Journal of Physiology</i> , 1998, 436, 920-927.	2.8	38
63	Time dependent K ⁺ currents through plasmalemma of laticifer protoplasts from <i>Hevea brasiliensis</i> . <i>Physiologia Plantarum</i> , 1996, 98, 97-104.	5.2	12
64	Time dependent K ⁺ currents through plasmalemma of laticifer protoplasts from <i>Hevea brasiliensis</i> . <i>Physiologia Plantarum</i> , 1996, 98, 97-104.	5.2	9