FranÃ§ois Chevalier

List of Publications by Year
in descending order

52	2,064	236925	243625
papers	citations	25 h-index	44 g-index

52	52	52	2949
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improvement of functional properties of Î²-lactoglobulin glycated through the Maillard reaction is related to the nature of the sugar. International Dairy Journal, 2001, 11, 145-152.	3.0	231
2	Highlights on the capacities of "Gel-based" proteomics. Proteome Science, 2010, 8, 23.	1.7	143
3	Scavenging of Free Radicals, Antimicrobial, and Cytotoxic Activities of the Maillard Reaction Products of Î²-Lactoglobulin Glycated with Several Sugars. Journal of Agricultural and Food Chemistry, 2001, 49, 5031-5038.	5.2	113
4	Effects of phosphate availability on the root system architecture: large-scale analysis of the natural variation between Arabidopsis accessions. Plant, Cell and Environment, 2003, 26, 1839-1850.	5.7	107
5	Poly-(ADP-ribose)-polymerase inhibitors as radiosensitizers: a systematic review of pre-clinical and clinical human studies. Oncotarget, 2017, 8, 69105-69124.	1.8	101
6	Proteomic investigation of natural variation betweenArabidopsis ecotypes. Proteomics, 2004, 4, 1372-1381.	2.2	92
7	Proteomic capacity of recent fluorescent dyes for protein staining. Phytochemistry, 2004, 65, 1499-1506.	2.9	86
8	Maillard glycation of Î²-lactoglobulin induces conformation changes. Molecular Nutrition and Food Research, 2002, 46, 58-63.	0.0	83
9	MS characterization of multiple forms of alpha-amylase in human saliva. Proteomics, 2005, 5, 4597-4607.	2.2	70
10	Radiosensitization Effect of Talazoparib, a Parp Inhibitor, on Glioblastoma Stem Cells Exposed to Low and High Linear Energy Transfer Radiation. Scientific Reports, 2018, 8, 3664.	3.3	68
11	Maillard glycation of eta-lactoglobulin with several sugars: comparative study of the properties of the obtained polymers and of the substituted sites. Dairy Science and Technology, 2001, 81, 651-666.	0.9	61
12	Proteins and proteolysis in pre-term and term human milk and possible implications for infant formulae. International Dairy Journal, 2010, 20, 715-723.	3.0	56
13	Effect of high-pressure treatment on microbiology, proteolysis, lipolysis and levels of flavour compounds in mature blue-veined cheese. Innovative Food Science and Emerging Technologies, 2010, 11, 68-77.	5.6	56
14	Use of Reducing/Nonreducing Two-Dimensional Electrophoresis for the Study of Disulfide-Mediated Interactions between Proteins in Raw and Heated Bovine Milk. Journal of Agricultural and Food Chemistry, 2009, 57, 5948-5955.	5.2	54
15	Combining PARP inhibition, radiation, and immunotherapy: A possible strategy to improve the treatment of cancer?. International Journal of Molecular Sciences, 2018, 19, 3793.	4.1	54
16	Complexity of the human whole saliva proteome. Journal of Physiology and Biochemistry, 2005, 61, 469-480.	3.0	48
17	CHARACTERIZATION OF THE MAILLARD REACTION PRODUCTS OF ?-LACTOGLOBULIN GLUCOSYLATED IN MILD CONDITIONS. Journal of Food Biochemistry, 2001, 25, 33-55.	2.9	46
18	Effect of high-pressure treatment of milk for cheese manufacture on proteolysis, lipolysis, texture and functionality of Cheddar cheese during ripening. Innovative Food Science and Emerging Technologies, 2012, 13, 23-30.	5.6	42

#	Article	IF	Citations
19	Proteomic Quantification of Disulfide-Linked Polymers in Raw and Heated Bovine Milk. Journal of Agricultural and Food Chemistry, 2010, 58, 7437-7444.	5.2	39
20	Bcl-2 Inhibits Nuclear Homologous Recombination by Localizing BRCA1 to the Endomembranes. Cancer Research, 2011, 71, 3590-3602.	0.9	38
21	Proteomic analysis of Arabidopsis thaliana ecotypes with contrasted root architecture in response to phosphate deficiency. Journal of Plant Physiology, 2011, 168, 1885-1890.	3.5	37
22	Different Impact of Staining Procedures Using Visible Stains and Fluorescent Dyes for Large-Scale Investigation of Proteomes by MALDI-TOF Mass Spectrometry. Journal of Proteome Research, 2006, 5, 512-520.	3.7	35
23	In vitro engineering of human 3D chondrosarcoma: a preclinical model relevant for investigations of radiation quality impact. BMC Cancer, 2015, 15, 579.	2.6	34
24	Standard Dyes for Total Protein Staining in Gel-Based Proteomic Analysis. Materials, 2010, 3, 4784-4792.	2.9	31
25	Effect of high-pressure homogenisation on rheological properties of rennet-induced skim milk and standardised milk gels. Journal of Dairy Research, 2009, 76, 294-300.	1.4	25
26	Accumulation of cyclophilin A isoforms in conditioned medium of irradiated breast cancer cells. Proteomics, 2012, 12, 1756-1766.	2.2	24
27	Proteomic Studies of Saliva: A Proposal for a Standardized Handling of Clinical Samples. Clinical Proteomics, 2007, 3, 13-21.	2.1	23
28	Avoidance or adaptation of radiotherapy in patients with cancer with Li-Fraumeni and heritable TP53-related cancer syndromes. Lancet Oncology, The, 2021, 22, e562-e574.	10.7	22
29	Proteomic overview and perspectives of the radiation-induced bystander effects. Mutation Research - Reviews in Mutation Research, 2015, 763, 280-293.	5.5	19
30	Salivary protein profiling in type I diabetes using two-dimensional electrophoresis and mass spectrometry. Clinical Proteomics, 2006, 2, 117-127.	2.1	18
31	Proteomic Comparison of Equine and Bovine Milks on Renneting. Journal of Agricultural and Food Chemistry, 2013, 61, 2839-2850.	5.2	17
32	Dosimetry for radiobiology experiments at GANIL. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 816, 70-77.	1.6	17
33	Sensitization of chondrosarcoma cells with PARP inhibitor and high-LET radiation. Journal of Bone Oncology, 2019, 17, 100246.	2.4	17
34	Visible and Fluorescent Staining of Two-Dimensional Gels. , 2007, 355, 145-156.		16
35	Impact of Therapeutic Irradiation on Healthy Articular Cartilage. Radiation Research, 2015, 183, 135-146.	1.5	16
36	Hadrontherapy Interactions in Molecular and Cellular Biology. International Journal of Molecular Sciences, 2020, 21, 133.	4.1	16

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37	A multimodal treatment of carbon ions irradiation, miRNA-34 and mTOR inhibitor specifically control high-grade chondrosarcoma cancer stem cells. Radiotherapy and Oncology, 2020, 150, 253-261.	0.6	15
38	Technical updates to basic proteins focalization using IPG strips. Proteome Science, 2012, 10, 54.	1.7	13
39	Radioresistance of Non-Small Cell Lung Cancers and Therapeutic Perspectives. Cancers, 2022, 14, 2829.	3.7	13
40	Bystander effectors of chondrosarcoma cells irradiated at different LET impair proliferation of chondrocytes. Journal of Cell Communication and Signaling, 2019, 13, 343-356.	3.4	12
41	Comparable Senescence Induction in Three-dimensional Human Cartilage Model byÂExposure to Therapeutic Doses of X-rays orÂC-ions. International Journal of Radiation Oncology Biology Physics, 2016, 95, 139-146.	0.8	11
42	Review of the Mechanisms Involved in the Abscopal Effect and Future Directions with a Focus on Thymic Carcinoma. Tumori, 2017, 103, 217-222.	1.1	9
43	High LET Radiation Overcomes In Vitro Resistance to X-Rays of Chondrosarcoma Cell Lines. Technology in Cancer Research and Treatment, 2019, 18, 153303381987130.	1.9	8
44	A threshold of endogenous stress is required to engage cellular response to protect against mutagenesis. Scientific Reports, 2016, 6, 29412.	3.3	5
45	A Proteomic Study Suggests Stress Granules as New Potential Actors in Radiation-Induced Bystander Effects. International Journal of Molecular Sciences, 2021, 22, 7957.	4.1	5
46	Impairing the microRNA biogenesis pathway induces proteome modifications characterized by size bias and enrichment in antioxidant proteins. Proteomics, 2012, 12, 2295-2302.	2.2	4
47	Counteracting Radio-Resistance Using the Optimization of Radiotherapy. International Journal of Molecular Sciences, 2020, 21, 1767.	4.1	4
48	Analytical Methods | Electrophoresis. , 2011, , 185-192.		3
49	Analytical Methods | Mass Spectrometric Methods. , 2011, , 198-205.		3
50	Milk Proteins | Proteomics. , 2011, , 843-847.		3
51	Translational research in radiobiology in the framework of France HADRON national collaboration. Translational Cancer Research, 2017, 6, S795-S806.	1.0	1
52	Direct and bystander effects of human chondrosarcoma cell line irradiated with protons. , 0, , .		0