

Ludovic Galas

List of Publications by Year in descending order

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57
papers

3,194
citations

236925

25
h-index

168389

53
g-index

60
all docs

60
docs citations

60
times ranked

4331
citing authors

#	ARTICLE	IF	CITATIONS
1	Pituitary Adenylate Cyclase-Activating Polypeptide and Its Receptors: 20 Years after the Discovery. <i>Pharmacological Reviews</i> , 2009, 61, 283-357.	16.0	948
2	Preferential transfer of mitochondria from endothelial to cancer cells through tunneling nanotubes modulates chemoresistance. <i>Journal of Translational Medicine</i> , 2013, 11, 94.	4.4	359
3	Selective Stimulation of Cardiac Lymphangiogenesis Reduces Myocardial Edema and Fibrosis Leading to Improved Cardiac Function Following Myocardial Infarction. <i>Circulation</i> , 2016, 133, 1484-1497.	1.6	245
4	Selenoprotein T is a PACAP-regulated gene involved in intracellular Ca ²⁺ mobilization and neuroendocrine secretion. <i>FASEB Journal</i> , 2008, 22, 1756-1768.	0.5	124
5	Different Modalities of Intercellular Membrane Exchanges Mediate Cell-to-cell P-glycoprotein Transfers in MCF-7 Breast Cancer Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 7374-7387.	3.4	114
6	The neurotrophic effects of PACAP in PC12 cells: control by multiple transduction pathways. <i>Journal of Neurochemistry</i> , 2006, 98, 321-329.	3.9	108
7	TRH acts as a multifunctional hypophysiotropic factor in vertebrates. <i>General and Comparative Endocrinology</i> , 2009, 164, 40-50.	1.8	89
8	Glutamine and arginine improve permeability and tight junction protein expression in methotrexate-treated Caco-2 cells. <i>Clinical Nutrition</i> , 2013, 32, 863-869.	5.0	80
9	Methotrexate Modulates Tight Junctions Through NF- κ B, MEK, and JNK Pathways. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2012, 54, 463-470.	1.8	68
10	Neurotrophic effects of PACAP in the cerebellar cortex. <i>Peptides</i> , 2007, 28, 1746-1752.	2.4	65
11	Role of complement anaphylatoxin receptors (C3aR, C5aR) in the development of the rat cerebellum. <i>Molecular Immunology</i> , 2008, 45, 3767-3774.	2.2	65
12	Chromogranin A Promotes Peptide Hormone Sorting to Mobile Granules in Constitutively and Regulated Secreting Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 12420-12431.	3.4	64
13	Glutamine supplementation, but not combined glutamine and arginine supplementation, improves gut barrier function during chemotherapy-induced intestinal mucositis in rats. <i>Clinical Nutrition</i> , 2014, 33, 694-701.	5.0	64
14	Pituitary adenylate cyclase-activating polypeptide prevents the effects of ceramides on migration, neurite outgrowth, and cytoskeleton remodeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 2637-2642.	7.1	63
15	Immunohistochemical localization and biochemical characterization of hypocretin/orexin-related peptides in the central nervous system of the frog <i>Rana ridibunda</i> . <i>Journal of Comparative Neurology</i> , 2001, 429, 242-252.	1.6	59
16	PACAP Enhances Axon Outgrowth in Cultured Hippocampal Neurons to a Comparable Extent as BDNF. <i>PLoS ONE</i> , 2015, 10, e0120526.	2.5	45
17	Rescue of neuronal migration deficits in a mouse model of fetal Minamata disease by increasing neuronal Ca ²⁺ spike frequency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5057-5062.	7.1	42
18	Structural and functional analysis of tunneling nanotubes (TnTs) using CW STED and confocal approaches. <i>Biology of the Cell</i> , 2015, 107, 419-425.	2.0	42

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19	Vasotocin and Mesotocin Stimulate the Biosynthesis of Neurosteroids in the Frog Brain. <i>Journal of Neuroscience</i> , 2006, 26, 6749-6760.	3.6	41
20	Immunohistochemical localization and biochemical characterization of ghrelin in the brain and stomach of the frog <i>Rana esculenta</i> . <i>Journal of Comparative Neurology</i> , 2002, 450, 34-44.	1.6	32
21	Postnatal Migration of Cerebellar Interneurons. <i>Brain Sciences</i> , 2017, 7, 62.	2.3	31
22	Neuropeptide Y Inhibits the Biosynthesis of Sulfated Neurosteroids in the Hypothalamus through Activation of Y1 Receptors. <i>Endocrinology</i> , 2002, 143, 1950-1963.	2.8	29
23	A role for RASSF1A in tunneling nanotube formation between cells through GEFH1/Rab11 pathway control. <i>Cell Communication and Signaling</i> , 2018, 16, 66.	6.5	28
24	Involvement of extracellular and intracellular calcium sources in TRH-induced $\hat{I}\pm$ -MSH secretion from frog melanotrope cells. <i>Molecular and Cellular Endocrinology</i> , 1998, 138, 25-39.	3.2	26
25	Distribution of the mRNAs encoding the thyrotropin-releasing hormone (TRH) precursor and three TRH receptors in the brain and pituitary of <i>Xenopus laevis</i> : Effect of background color adaptation on TRH and TRH receptor gene expression. <i>Journal of Comparative Neurology</i> , 2004, 477, 11-28.	1.6	26
26	Light stimuli control neuronal migration by altering of insulin-like growth factor 1 (IGF-1) signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2630-2635.	7.1	24
27	The role of calcium and cyclic nucleotide signaling in cerebellar granule cell migration under normal and pathological conditions. <i>Developmental Neurobiology</i> , 2015, 75, 369-387.	3.0	24
28	Neuropeptide Y Inhibits Spontaneous $\hat{I}\pm$ -Melanocyte-Stimulating Hormone ($\hat{I}\pm$ -MSH) Release via a Y5 Receptor and Suppresses Thyrotropin-Releasing Hormone-Induced $\hat{I}\pm$ -MSH Secretion via a Y1 Receptor in Frog Melanotrope Cells. <i>Endocrinology</i> , 2002, 143, 1686-1694.	2.8	22
29	Probe, Sample, and Instrument (PSI) The Hat-Trick for Fluorescence Live Cell Imaging. <i>Chemosensors</i> , 2018, 6, 40.	3.6	21
30	Glutamate controls vessel-associated migration of GABA interneurons from the pial migratory route via NMDA receptors and endothelial protease activation. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 1959-1986.	5.4	21
31	Investigating Tunneling Nanotubes in Cancer Cells: Guidelines for Structural and Functional Studies through Cell Imaging. <i>BioMed Research International</i> , 2020, 2020, 1-16.	1.9	21
32	Pituitary adenylate cyclase-activating polypeptide (PACAP) stimulates the expression and the release of tissue plasminogen activator (tPA) in neuronal cells: involvement of tPA in the neuroprotective effect of PACAP. <i>Journal of Neurochemistry</i> , 2011, 119, 920-931.	3.9	18
33	Role of PACAP in Controlling Granule Cell Migration. <i>Cerebellum</i> , 2009, 8, 433-440.	2.5	17
34	Cortical layer-specific effects of PACAP and tPA on interneuron migration during postnatal development of the cerebellum. <i>Journal of Neurochemistry</i> , 2014, 130, 241-254.	3.9	17
35	Chromogranin A preferential interaction with Golgi phosphatidic acid induces membrane deformation and contributes to secretory granule biogenesis. <i>FASEB Journal</i> , 2020, 34, 6769-6790.	0.5	16
36	Pharmacological and Functional Characterization of Muscarinic Receptors in the Frog Pars Intermedia. <i>Endocrinology</i> , 1998, 139, 3525-3533.	2.8	15

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37	Balanced effect of PACAP and FasL on granule cell death during cerebellar development: a morphological, functional and behavioural characterization. <i>Journal of Neurochemistry</i> , 2010, 113, 329-340.	3.9	14
38	A versatile and recyclable molecularly imprinted polymer as an oxidative catalyst of sulfur derivatives: a new possible method for mustard gas and V nerve agent decontamination. <i>Chemical Communications</i> , 2019, 55, 13243-13246.	4.1	14
39	Involvement of Protein Kinase C and Protein Tyrosine Kinase in Thyrotropin-Releasing Hormone-Induced Stimulation of α -Melanocyte-Stimulating Hormone Secretion in Frog Melanotrope Cells*. <i>Endocrinology</i> , 1999, 140, 3264-3272.	2.8	13
40	Calcium waves in frog melanotrophs are generated by intracellular inactivation of TTX-sensitive membrane Na ⁺ channel. <i>Molecular and Cellular Endocrinology</i> , 2000, 170, 197-209.	3.2	12
41	Expression and Processing of the [Pro ² ,Met ¹³]Somatostatin-14 Precursor in the Intermediate Lobe of the Frog Pituitary. <i>Endocrinology</i> , 2002, 143, 3472-3481.	2.8	12
42	Analysis of the melanotrope cell neuroendocrine interface in two amphibian species, <i>Rana ridibunda</i> and <i>Xenopus laevis</i> : A celebration of 35 years of collaborative research. <i>General and Comparative Endocrinology</i> , 2011, 170, 57-67.	1.8	10
43	Comparative Structural and Functional Analyses of the Fusiform, Oval, and Triradiate Morphotypes of <i>Phaeodactylum tricornutum</i> Pt3 Strain. <i>Frontiers in Plant Science</i> , 2021, 12, 638181.	3.6	9
44	Two-Photon Absorption and Cell Imaging of Fluorene-Functionalized Epicocconone Analogues. <i>Chemistry - A European Journal</i> , 2019, 25, 10954-10964.	3.3	8
45	Ex Vivo Imaging of Postnatal Cerebellar Granule Cell Migration Using Confocal Macroscopy. <i>Journal of Visualized Experiments</i> , 2015, , e52810.	0.3	7
46	PACAP and Ceramides Exert Opposite Effects on Migration, Neurite Outgrowth, and Cytoskeleton Remodeling. <i>Annals of the New York Academy of Sciences</i> , 2006, 1070, 265-270.	3.8	5
47	Centrosome, the Newly Identified Passenger through Tunneling Nanotubes, Increases Binucleation and Proliferation Marker in Receiving Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9680.	4.1	5
48	Optimization of Advanced Live-Cell Imaging through Red/Near-Infrared Dye Labeling and Fluorescence Lifetime-Based Strategies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11092.	4.1	4
49	Involvement of Protein Kinase C and Protein Tyrosine Kinase in Thyrotropin-Releasing Hormone-Induced Stimulation of α -Melanocyte-Stimulating Hormone Secretion in Frog Melanotrope Cells. <i>Endocrinology</i> , 1999, 140, 3264-3272.	2.8	3
50	Characterization of fluorescent synthetic epicocconone-based dye through advanced light microscopies for live cell imaging applications. <i>Dyes and Pigments</i> , 2017, 141, 394-405.	3.7	1
51	The Role of Galanin in Cerebellar Granule Cell Migration in the Early Postnatal Mouse during Normal Development and after Injury. <i>Journal of Neuroscience</i> , 2021, 41, 8725-8741.	3.6	1
52	Advanced Imaging Approaches to Reveal Molecular Mechanisms Governing Neuroendocrine Secretion. <i>Neuroendocrinology</i> , 2021, , .	2.5	1
53	A Novel Peptide Generated from the C-Terminal Extension of Trout Proopiomelanocortin-A. <i>Annals of the New York Academy of Sciences</i> , 1998, 839, 483-485.	3.8	0
54	PACAP. , 2013, , 1038-1043.		0

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55	Cerebellar patterning. , 2020, , 107-135.		0
56	Granule Cell Migration and Differentiation. , 2020, , 1-33.		0
57	Granule Cell Migration and Differentiation. , 2022, , 139-171.		0