

Pierre Vacher

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,596
citations

361413

20
h-index

302126

39
g-index

51
all docs

51
docs citations

51
times ranked

2326
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Oscillations of cytosolic Ca ²⁺ in pituitary cells due to action potentials. <i>Nature</i> , 1987, 329, 719-721. | 27.8 | 346 |
| 2 | The Naturally Processed CD95L Elicits a c-Yes/Calcium/PI3K-Driven Cell Migration Pathway. <i>PLoS Biology</i> , 2011, 9, e1001090. | 5.6 | 92 |
| 3 | CD95L Cell Surface Cleavage Triggers a Prometastatic Signaling Pathway in Triple-Negative Breast Cancer. <i>Cancer Research</i> , 2013, 73, 6711-6721. | 0.9 | 91 |
| 4 | Pore Formation Induced by an Antimicrobial Peptide: Electrostatic Effects. <i>Biophysical Journal</i> , 2008, 95, 5748-5756. | 0.5 | 88 |
| 5 | Glucotoxicity Inhibits Late Steps of Insulin Exocytosis. <i>Endocrinology</i> , 2007, 148, 1605-1614. | 2.8 | 76 |
| 6 | Role of Tyrosine Phosphorylation in Potassium Channel Activation. <i>Journal of Biological Chemistry</i> , 1995, 270, 24292-24299. | 3.4 | 73 |
| 7 | CD95-Mediated Calcium Signaling Promotes T Helper 17 Trafficking to Inflamed Organs in Lupus-Prone Mice. <i>Immunity</i> , 2016, 45, 209-223. | 14.3 | 73 |
| 8 | Somatostatin Blocks Ca ²⁺ -Action Potential Activity in Prolactin-Secreting Pituitary Tumor Cells through Coordinate Actions on K ⁺ and Ca ²⁺ -Conductances*. <i>Endocrinology</i> , 1988, 123, 721-732. | 2.8 | 68 |
| 9 | TRAIL receptor gene editing unveils TRAIL-R1 as a master player of apoptosis induced by TRAIL and ER stress. <i>Oncotarget</i> , 2017, 8, 9974-9985. | 1.8 | 68 |
| 10 | mTORC1 inhibition in cancer cells protects from glutaminolysis-mediated apoptosis during nutrient limitation. <i>Nature Communications</i> , 2017, 8, 14124. | 12.8 | 62 |
| 11 | CD95 triggers Orail-mediated localized Ca ²⁺ entry, regulates recruitment of protein kinase C (PKC) β 2, and prevents death-inducing signaling complex formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19072-19077. | 7.1 | 52 |
| 12 | The antidepressant fluoxetine induces necrosis by energy depletion and mitochondrial calcium overload. <i>Oncotarget</i> , 2017, 8, 3181-3196. | 1.8 | 39 |
| 13 | Effects of prolactin on intracellular calcium concentration and cell proliferation in human glioma cells. <i>Glia</i> , 2002, 38, 200-214. | 4.9 | 34 |
| 14 | CD95/Fas and metastatic disease: What does not kill you makes you stronger. <i>Seminars in Cancer Biology</i> , 2020, 60, 121-131. | 9.6 | 31 |
| 15 | Multilevel control of glucose homeostasis by adenylyl cyclase 8. <i>Diabetologia</i> , 2015, 58, 749-757. | 6.3 | 29 |
| 16 | \hat{I} -Latrotoxin Induces Exocytosis by Inhibition of Voltage-dependent K ⁺ Channels and by Stimulation of L-type Ca ²⁺ Channels via Latrophilin in β 2-Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 5522-5531. | 3.4 | 27 |
| 17 | Localized Store-Operated Calcium Influx Represses CD95-Dependent Apoptotic Effects of Rituximab in Non-Hodgkin B Lymphomas. <i>Journal of Immunology</i> , 2015, 195, 2207-2215. | 0.8 | 26 |
| 18 | IgE Inhibits Toll-like Receptor 7 and Toll-like Receptor 9-Mediated Expression of Interferon β by Plasmacytoid Dendritic Cells in Patients With Systemic Lupus Erythematosus. <i>Arthritis and Rheumatology</i> , 2016, 68, 2221-2231. | 5.6 | 23 |

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|----|---|------|-----------|
| 19 | Disrupting the CD95-PLC β 1 interaction prevents Th17-driven inflammation. <i>Nature Chemical Biology</i> , 2018, 14, 1079-1089. | 8.0 | 23 |
| 20 | Selectins impair regulatory T cell function and contribute to systemic lupus erythematosus pathogenesis. <i>Science Translational Medicine</i> , 2021, 13, eabi4994. | 12.4 | 22 |
| 21 | Distinct Cytoplasmic Regions of the Prolactin Receptor Are Required for Prolactin-induced Calcium Entry. <i>Journal of Biological Chemistry</i> , 1998, 273, 28461-28469. | 3.4 | 21 |
| 22 | Role of store-dependent influx of Ca $^{2+}$ and efflux of K $^{+}$ in apoptosis of CHO cells. <i>Cell Calcium</i> , 2004, 36, 421-430. | 2.4 | 21 |
| 23 | The Role of the Anti-Aging Protein Klotho in IGF-1 Signaling and Reticular Calcium Leak: Impact on the Chemosensitivity of Dedifferentiated Liposarcomas. <i>Cancers</i> , 2018, 10, 439. | 3.7 | 19 |
| 24 | Two parallel pathways connect glutamine metabolism and mTORC1 activity to regulate glutamoptosis. <i>Nature Communications</i> , 2021, 12, 4814. | 12.8 | 19 |
| 25 | The cleaved FAS ligand activates the Na $^{+}$ /H $^{+}$ exchanger NHE1 through Akt/ROCK1 to stimulate cell motility. <i>Scientific Reports</i> , 2016, 6, 28008. | 3.3 | 17 |
| 26 | Arachidonic Acid-Induced Hormone Release in Somatotropes: Involvement of Calcium. <i>Neuroendocrinology</i> , 1996, 63, 244-256. | 2.5 | 16 |
| 27 | Full-Spectral Multiplexing of Bioluminescence Resonance Energy Transfer in Three TRPV Channels. <i>Biophysical Journal</i> , 2017, 112, 87-98. | 0.5 | 16 |
| 28 | Mechanosensitivity in Pulmonary Circulation: Pathophysiological Relevance of Stretch-Activated Channels in Pulmonary Hypertension. <i>Biomolecules</i> , 2021, 11, 1389. | 4.0 | 16 |
| 29 | Role of Calcium Signaling in GA101-Induced Cell Death in Malignant Human B Cells. <i>Cancers</i> , 2019, 11, 291. | 3.7 | 13 |
| 30 | Simultaneous Monitoring of Cytosolic Free Calcium and Exocytosis at the Single Cell Level. <i>Journal of Neuroendocrinology</i> , 1991, 3, 253-260. | 2.6 | 11 |
| 31 | Modulation of Ca $^{2+}$ influx by protein phosphorylation in single intact clonal pituitary cells. <i>European Journal of Pharmacology</i> , 1992, 227, 173-180. | 2.6 | 10 |
| 32 | Does calcium contribute to the CD95 signaling pathway?. <i>Anti-Cancer Drugs</i> , 2011, 22, 481-487. | 1.4 | 9 |
| 33 | The CD95 signaling pathway. <i>Communicative and Integrative Biology</i> , 2012, 5, 190-192. | 1.4 | 9 |
| 34 | Voltage-dependent ionic conductances in the human malignant astrocytoma cell line U87-MG. <i>Molecular Membrane Biology</i> , 2003, 20, 329-343. | 2.0 | 8 |
| 35 | Soluble CD95L in cancers and chronic inflammatory disorders, a new therapeutic target?. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021, 1876, 188596. | 7.4 | 7 |
| 36 | Targeting CAMKK2 and SOC Channels as a Novel Therapeutic Approach for Sensitizing Acute Promyelocytic Leukemia Cells to All-Trans Retinoic Acid. <i>Cells</i> , 2021, 10, 3364. | 4.1 | 7 |

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|----|--|-----|-----------|
| 37 | GnRH-Associated Peptide Decreases Cyclic AMP Accumulation in the GH ₃ Pituitary Cell Line. <i>Neuroendocrinology</i> , 1993, 58, 251-257. | 2.5 | 6 |
| 38 | Fas/CD95 Signaling Pathway in Damage-Associated Molecular Pattern (DAMP)-Sensing Receptors. <i>Cells</i> , 2022, 11, 1438. | 4.1 | 6 |
| 39 | Effects of Prolactin on Ionic Membrane Conductances in the Human Malignant Astrocytoma Cell Line U87-MG. <i>Journal of Neurophysiology</i> , 2004, 91, 1203-1216. | 1.8 | 5 |
| 40 | TRAIL Triggers CRAC-Dependent Calcium Influx and Apoptosis through the Recruitment of Autophagy Proteins to Death-Inducing Signaling Complex. <i>Cells</i> , 2022, 11, 57. | 4.1 | 5 |
| 41 | CD95-Mediated Calcium Signaling. <i>Methods in Molecular Biology</i> , 2017, 1557, 79-93. | 0.9 | 4 |
| 42 | Cell Confluence Modulates TRPV4 Channel Activity in Response to Hypoxia. <i>Biomolecules</i> , 2022, 12, 954. | 4.0 | 3 |
| 43 | Keeping Cell Death Alive: An Introduction into the French Cell Death Research Network. <i>Biomolecules</i> , 2022, 12, 901. | 4.0 | 2 |
| 44 | Synthesis of peptidomimetics and chemo-biological tools for CD95/PLC β 1 interaction analysis. <i>Biorganic and Medicinal Chemistry Letters</i> , 2019, 29, 2094-2099. | 2.2 | 1 |
| 45 | NiONP-Induced Oxidative Stress and Mitochondrial Impairment in an In Vitro Pulmonary Vascular Cell Model Mimicking Endothelial Dysfunction. <i>Antioxidants</i> , 2022, 11, 847. | 5.1 | 1 |
| 46 | Spontaneous and agonist-induced calcium oscillations in single human nonfunctioning adenoma cells. <i>Endocrine</i> , 1996, 4, 123-132. | 2.2 | 0 |
| 47 | Visualization of intracellular Ca ²⁺ dynamics with third-harmonic generation microscopy. , 2002, , . | | 0 |
| 48 | R10: Effets apoptotiques des antidépresseurs de la famille du Prozac. <i>Bulletin Du Cancer</i> , 2010, 97, S20. | 1.6 | 0 |
| 49 | Abstract 3723: Regulation of TRAIL-induced apoptotic signaling by the autophagy receptor p62 in acute promyelocytic leukemia cells. , 2016, , . | | 0 |