

Mathieu J M Bertrand

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

12,149
citations

70961

41
h-index

95083

68
g-index

70
all docs

70
docs citations

70
times ranked

17649
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018, 25, 486-541.	5.0	4,036
2	cIAP1 and cIAP2 Facilitate Cancer Cell Survival by Functioning as E3 Ligases that Promote RIP1 Ubiquitination. <i>Molecular Cell</i> , 2008, 30, 689-700.	4.5	965
3	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. <i>Cell Death and Differentiation</i> , 2015, 22, 58-73.	5.0	811
4	MLKL Compromises Plasma Membrane Integrity by Binding to Phosphatidylinositol Phosphates. <i>Cell Reports</i> , 2014, 7, 971-981.	2.9	656
5	NF- κ B-Independent Role of IKK α /IKK β in Preventing RIPK1 Kinase-Dependent Apoptotic and Necroptotic Cell Death during TNF Signaling. <i>Molecular Cell</i> , 2015, 60, 63-76.	4.5	345
6	Vaccination with Necroptotic Cancer Cells Induces Efficient Anti-tumor Immunity. <i>Cell Reports</i> , 2016, 15, 274-287.	2.9	317
7	Cellular Inhibitors of Apoptosis cIAP1 and cIAP2 Are Required for Innate Immunity Signaling by the Pattern Recognition Receptors NOD1 and NOD2. <i>Immunity</i> , 2009, 30, 789-801.	6.6	301
8	cIAP1 and TAK1 protect cells from TNF-induced necrosis by preventing RIP1/RIP3-dependent reactive oxygen species production. <i>Cell Death and Differentiation</i> , 2011, 18, 656-665.	5.0	294
9	RIPK1 ensures intestinal homeostasis by protecting the epithelium against apoptosis. <i>Nature</i> , 2014, 513, 95-99.	13.7	275
10	RIPK3 contributes to TNFR1-mediated RIPK1 kinase-dependent apoptosis in conditions of cIAP1/2 depletion or TAK1 kinase inhibition. <i>Cell Death and Differentiation</i> , 2013, 20, 1381-1392.	5.0	263
11	More to Life than NF- κ B in TNFR1 Signaling. <i>Trends in Immunology</i> , 2016, 37, 535-545.	2.9	203
12	TNF-induced necroptosis in L929 cells is tightly regulated by multiple TNFR1 complex I and II members. <i>Cell Death and Disease</i> , 2011, 2, e230-e230.	2.7	195
13	The unfolded protein response at the crossroads of cellular life and death during endoplasmic reticulum stress. <i>Biology of the Cell</i> , 2012, 104, 259-270.	0.7	176
14	NOD-like receptors and the innate immune system: Coping with danger, damage and death. <i>Cytokine and Growth Factor Reviews</i> , 2011, 22, 257-276.	3.2	170
15	Depletion of RIPK3 or MLKL blocks TNF-driven necroptosis and switches towards a delayed RIPK1 kinase-dependent apoptosis. <i>Cell Death and Disease</i> , 2014, 5, e1004-e1004.	2.7	164
16	MK2 phosphorylation of RIPK1 regulates TNF-mediated cell death. <i>Nature Cell Biology</i> , 2017, 19, 1237-1247.	4.6	159
17	When PERK inhibitors turn out to be new potent RIPK1 inhibitors: critical issues on the specificity and use of GSK2606414 and GSK2656157. <i>Cell Death and Differentiation</i> , 2017, 24, 1100-1110.	5.0	149
18	Polyhydramnios, Transient Antenatal Bartter's Syndrome, and MAGED2 Mutations. <i>New England Journal of Medicine</i> , 2016, 374, 1853-1863.	13.9	148

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19	Molecular crosstalk between apoptosis, necroptosis, and survival signaling. <i>Molecular and Cellular Oncology</i> , 2015, 2, e975093.	0.3	142
20	An evolutionary perspective on the necroptotic pathway. <i>Trends in Cell Biology</i> , 2016, 26, 721-732.	3.6	137
21	Poly-ubiquitination in TNFR1-mediated necroptosis. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 2165-2176.	2.4	130
22	Serine 25 phosphorylation inhibits RIPK1 kinase-dependent cell death in models of infection and inflammation. <i>Nature Communications</i> , 2019, 10, 1729.	5.8	121
23	ProNGF induces TNF α -dependent death of retinal ganglion cells through a p75 ^{NTR} non-cell-autonomous signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3817-3822.	3.3	112
24	Endoplasmic reticulum stress induces ligand-independent TNFR1-mediated necroptosis in L929 cells. <i>Cell Death and Disease</i> , 2015, 6, e1587-e1587.	2.7	112
25	RIPK1 Kinase-Dependent Death: A Symphony of Phosphorylation Events. <i>Trends in Cell Biology</i> , 2020, 30, 189-200.	3.6	97
26	cIAP1/2 Are Direct E3 Ligases Conjugating Diverse Types of Ubiquitin Chains to Receptor Interacting Proteins Kinases 1 to 4 (RIP1 α -4). <i>PLoS ONE</i> , 2011, 6, e22356.	1.1	91
27	Smac Mimetic Bypasses Apoptosis Resistance in FADD- or Caspase-8-Deficient Cells by Priming for Tumor Necrosis Factor α -Induced Necroptosis. <i>Neoplasia</i> , 2011, 13, 971-979.	2.3	86
28	Respiratory Syncytial Virus Infection Promotes Necroptosis and HMGB1 Release by Airway Epithelial Cells. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 1358-1371.	2.5	85
29	Autophosphorylation at serine 166 regulates RIP kinase 1-mediated cell death and inflammation. <i>Nature Communications</i> , 2020, 11, 1747.	5.8	85
30	IAPs, regulators of innate immunity and inflammation. <i>Seminars in Cell and Developmental Biology</i> , 2015, 39, 106-114.	2.3	77
31	A20 and Cell Death-driven Inflammation. <i>Trends in Immunology</i> , 2020, 41, 421-435.	2.9	70
32	Loss of Maged1 results in obesity, deficits of social interactions, impaired sexual behavior and severe alteration of mature oxytocin production in the hypothalamus. <i>Human Molecular Genetics</i> , 2012, 21, 4703-4717.	1.4	65
33	NRAGE, a p75 ^{NTR} adaptor protein, is required for developmental apoptosis in vivo. <i>Cell Death and Differentiation</i> , 2008, 15, 1921-1929.	5.0	63
34	RIP1 is required for IAP inhibitor-mediated sensitization of childhood acute leukemia cells to chemotherapy-induced apoptosis. <i>Leukemia</i> , 2012, 26, 1020-1029.	3.3	62
35	The role of the IAP E3 ubiquitin ligases in regulating pattern-recognition receptor signalling. <i>Nature Reviews Immunology</i> , 2012, 12, 833-844.	10.6	62
36	RIPK1 protects from TNF α -mediated liver damage during hepatitis. <i>Cell Death and Disease</i> , 2016, 7, e2462-e2462.	2.7	61

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37	A20 protects cells from TNF-induced apoptosis through linear ubiquitin-dependent and -independent mechanisms. <i>Cell Death and Disease</i> , 2019, 10, 692.	2.7	60
38	The Ripoptosome: Death Decision in the Cytosol. <i>Molecular Cell</i> , 2011, 43, 323-325.	4.5	51
39	A real-time fluorometric method for the simultaneous detection of cell death type and rate. <i>Nature Protocols</i> , 2016, 11, 1444-1454.	5.5	50
40	RIPK1 protects hepatocytes from Kupffer cells-mediated TNF-induced apoptosis in mouse models of PAMP-induced hepatitis. <i>Journal of Hepatology</i> , 2017, 66, 1205-1213.	1.8	48
41	Type III collagen affects dermal and vascular collagen fibrillogenesis and tissue integrity in a mutant Col3a1 transgenic mouse model. <i>Matrix Biology</i> , 2018, 70, 72-83.	1.5	48
42	Deficiency in the mitochondrial apoptotic pathway reveals the toxic potential of autophagy under ER stress conditions. <i>Autophagy</i> , 2014, 10, 1921-1936.	4.3	47
43	Two distinct ubiquitin-binding motifs in A20 mediate its anti-inflammatory and cell-protective activities. <i>Nature Immunology</i> , 2020, 21, 381-387.	7.0	47
44	The Tumor Suppressor Hace1 Is a Critical Regulator of TNFR1-Mediated Cell Fate. <i>Cell Reports</i> , 2016, 15, 1481-1492.	2.9	46
45	RIPK1 promotes death receptor-independent caspase-8-mediated apoptosis under unresolved ER stress conditions. <i>Cell Death and Disease</i> , 2014, 5, e1555-e1555.	2.7	41
46	Intermediate Domain of Receptor-interacting Protein Kinase 1 (RIPK1) Determines Switch between Necroptosis and RIPK1 Kinase-dependent Apoptosis. <i>Journal of Biological Chemistry</i> , 2012, 287, 14863-14872.	1.6	40
47	Interaction Patches of Procaspase-1 Caspase Recruitment Domains (CARDs) Are Differently Involved in Procaspase-1 Activation and Receptor-interacting Protein 2 (RIP2)-dependent Nuclear Factor κ B Signaling. <i>Journal of Biological Chemistry</i> , 2011, 286, 35874-35882.	1.6	38
48	NIK promotes tissue destruction independently of the alternative NF- κ B pathway through TNFR1/RIP1-induced apoptosis. <i>Cell Death and Differentiation</i> , 2015, 22, 2020-2033.	5.0	37
49	Caspase-3 and RasGAP: a stress-sensing survival/demise switch. <i>Trends in Cell Biology</i> , 2014, 24, 83-89.	3.6	35
50	Immunodominant AH1 Antigen-Deficient Necroptotic, but Not Apoptotic, Murine Cancer Cells Induce Antitumor Protection. <i>Journal of Immunology</i> , 2020, 204, 775-787.	0.4	33
51	OTULIN Prevents Liver Inflammation and Hepatocellular Carcinoma by Inhibiting FADD- and RIPK1 Kinase-Mediated Hepatocyte Apoptosis. <i>Cell Reports</i> , 2020, 30, 2237-2247.e6.	2.9	30
52	The E3 ubiquitin ligases HOIP and cIAP1 are recruited to the TNFR2 signaling complex and mediate TNFR2-induced canonical NF- κ B signaling. <i>Biochemical Pharmacology</i> , 2018, 153, 292-298.	2.0	27
53	cIAP2 supports viability of mice lacking cIAP1 and XIAP. <i>EMBO Journal</i> , 2015, 34, 2393-2395.	3.5	22
54	Maged1, a new regulator of skeletal myogenic differentiation and muscle regeneration. <i>BMC Cell Biology</i> , 2010, 11, 57.	3.0	18

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55	Regulation of RIPK1's cell death function by phosphorylation. <i>Cell Cycle</i> , 2016, 15, 5-6.	1.3	16
56	Antioxidant and food additive BHA prevents TNF cytotoxicity by acting as a direct RIPK1 inhibitor. <i>Cell Death and Disease</i> , 2021, 12, 699.	2.7	16
57	Apoptotic sensitivity of murine IAP-deficient cells. <i>Biochemical Journal</i> , 2008, 415, 21-25.	1.7	15
58	N-glycosylation of mouse TRAIL-R restrains TRAIL-induced apoptosis. <i>Cell Death and Disease</i> , 2018, 9, 494.	2.7	13
59	RIP1's function in NF- κ B activation: from master actor to onlooker. <i>Cell Death and Differentiation</i> , 2010, 17, 379-380.	5.0	12
60	A siRNA screen reveals the prosurvival effect of protein kinase A activation in conditions of unresolved endoplasmic reticulum stress. <i>Cell Death and Differentiation</i> , 2016, 23, 1670-1680.	5.0	12
61	RIPK1 protects hepatocytes from death in Fas-induced hepatitis. <i>Scientific Reports</i> , 2017, 7, 9205.	1.6	12
62	MK2 puts an additional brake on RIPK1 cytotoxic potential. <i>Cell Death and Differentiation</i> , 2018, 25, 457-459.	5.0	6
63	Experimental African trypanosome infection suppresses the development of multiple myeloma in mice by inducing intrinsic apoptosis of malignant plasma cells. <i>Oncotarget</i> , 2017, 8, 52016-52025.	0.8	5
64	The Impact of RIPK1 Kinase Inhibition on Atherogenesis: A Genetic and a Pharmacological Approach. <i>Biomedicines</i> , 2022, 10, 1016.	1.4	4
65	Monitoring RIPK1 Phosphorylation in the TNFR1 Signaling Complex. <i>Methods in Molecular Biology</i> , 2018, 1857, 171-179.	0.4	2