

Mathieu J M Bertrand

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

8,344

citations

36

h-index

70

g-index

70

ext. papers

10,383

ext. citations

12.5

avg, IF

5.68

L-index

#	Paper	IF	Citations
63	The Impact of RIPK1 Kinase Inhibition on Atherogenesis: A Genetic and a Pharmacological Approach. <i>Biomedicines</i> , 2022 , 10, 1016	4.8	0
62	Antioxidant and food additive BHA prevents TNF cytotoxicity by acting as a direct RIPK1 inhibitor. <i>Cell Death and Disease</i> , 2021 , 12, 699	9.8	2
61	Two distinct ubiquitin-binding motifs in A20 mediate its anti-inflammatory and cell-protective activities. <i>Nature Immunology</i> , 2020 , 21, 381-387	19.1	28
60	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	10.6	17
59	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	10.2	41
58	RIPK1 Kinase-Dependent Death: A Symphony of Phosphorylation Events. <i>Trends in Cell Biology</i> , 2020 , 30, 189-200	18.3	37
57	Autophosphorylation at serine 166 regulates RIP kinase 1-mediated cell death and inflammation. <i>Nature Communications</i> , 2020 , 11, 1747	17.4	32
56	A20 and Cell Death-driven Inflammation. <i>Trends in Immunology</i> , 2020 , 41, 421-435	14.4	29
55	Immunodominant AH1 Antigen-Deficient Necroptotic, but Not Apoptotic, Murine Cancer Cells Induce Antitumor Protection. <i>Journal of Immunology</i> , 2020 , 204, 775-787	5.3	19
54	A20 protects cells from TNF-induced apoptosis through linear ubiquitin-dependent and -independent mechanisms. <i>Cell Death and Disease</i> , 2019 , 10, 692	9.8	31
53	Serine 25 phosphorylation inhibits RIPK1 kinase-dependent cell death in models of infection and inflammation. <i>Nature Communications</i> , 2019 , 10, 1729	17.4	69
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	6	14
51	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018 , 25, 486-541	12.7	2160
50	MK2 puts an additional brake on RIPK1 cytotoxic potential. <i>Cell Death and Differentiation</i> , 2018 , 25, 457-459	12.7	3
49	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	11.4	33
48	N-glycosylation of mouse TRAIL-R restrains TRAIL-induced apoptosis. <i>Cell Death and Disease</i> , 2018 , 9, 494	9.8	9
47	Monitoring RIPK1 Phosphorylation in the TNFR1 Signaling Complex. <i>Methods in Molecular Biology</i> , 2018 , 1857, 171-179	1.4	2

46	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	13.4	30
45	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	12.7	102
44	MK2 phosphorylation of RIPK1 regulates TNF-mediated cell death. <i>Nature Cell Biology</i> , 2017 , 19, 1237-1244	12.7	108
43	RIPK1 protects hepatocytes from death in Fas-induced hepatitis. <i>Scientific Reports</i> , 2017 , 7, 9205	4.9	8
42	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	3.3	3
41	More to Life than NF- κ B in TNFR1 Signaling. <i>Trends in Immunology</i> , 2016 , 37, 535-545	14.4	136
40	A real-time fluorometric method for the simultaneous detection of cell death type and rate. <i>Nature Protocols</i> , 2016 , 11, 1444-54	18.8	31
39	RIPK1 protects from TNF-mediated liver damage during hepatitis. <i>Cell Death and Disease</i> , 2016 , 7, e24623	3.8	49
38	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, 1670-80	12.7	9
37	An evolutionary perspective on the necroptotic pathway. <i>Trends in Cell Biology</i> , 2016 , 26, 721-732	18.3	86
36	Vaccination with Necroptotic Cancer Cells Induces Efficient Anti-tumor Immunity. <i>Cell Reports</i> , 2016 , 15, 274-87	10.6	204
35	Poly-ubiquitination in TNFR1-mediated necroptosis. <i>Cellular and Molecular Life Sciences</i> , 2016 , 73, 2165-76	16.3	92
34	Polyhydramnios, Transient Antenatal Bartter's Syndrome, and MAGED2 Mutations. <i>New England Journal of Medicine</i> , 2016 , 374, 1853-63	59.2	96
33	The Tumor Suppressor Hace1 Is a Critical Regulator of TNFR1-Mediated Cell Fate. <i>Cell Reports</i> , 2016 , 15, 1481-1492	10.6	24
32	Endoplasmic reticulum stress induces ligand-independent TNFR1-mediated necroptosis in L929 cells. <i>Cell Death and Disease</i> , 2015 , 6, e1587	9.8	87
31	Molecular crosstalk between apoptosis, necroptosis, and survival signaling. <i>Molecular and Cellular Oncology</i> , 2015 , 2, e975093	1.2	121
30	NF- κ B-Independent Role of IKK α in Preventing RIPK1 Kinase-Dependent Apoptotic and Necroptotic Cell Death during TNF Signaling. <i>Molecular Cell</i> , 2015 , 60, 63-76	17.6	250
29	IAPs, regulators of innate immunity and inflammation. <i>Seminars in Cell and Developmental Biology</i> , 2015 , 39, 106-14	7.5	58

28	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. <i>Cell Death and Differentiation</i> , 2015 , 22, 58-73	12.7	643
27	clAP2 supports viability of mice lacking clAP1 and XIAP. <i>EMBO Journal</i> , 2015 , 34, 2393-5	13	19
26	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, 2020-33	12.7	28
25	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	9.8	148
24	RIPK1 ensures intestinal homeostasis by protecting the epithelium against apoptosis. <i>Nature</i> , 2014 , 513, 95-9	50.4	224
23	MLKL compromises plasma membrane integrity by binding to phosphatidylinositol phosphates. <i>Cell Reports</i> , 2014 , 7, 971-81	10.6	503
22	RIPK1 promotes death receptor-independent caspase-8-mediated apoptosis under unresolved ER stress conditions. <i>Cell Death and Disease</i> , 2014 , 5, e1555	9.8	31
21	Deficiency in the mitochondrial apoptotic pathway reveals the toxic potential of autophagy under ER stress conditions. <i>Autophagy</i> , 2014 , 10, 1921-36	10.2	40
20	Caspase-3 and RasGAP: a stress-sensing survival/demise switch. <i>Trends in Cell Biology</i> , 2014 , 24, 83-9	18.3	30
19	RIPK3 contributes to TNFR1-mediated RIPK1 kinase-dependent apoptosis in conditions of clAP1/2 depletion or TAK1 kinase inhibition. <i>Cell Death and Differentiation</i> , 2013 , 20, 1381-92	12.7	209
18	The unfolded protein response at the crossroads of cellular life and death during endoplasmic reticulum stress. <i>Biology of the Cell</i> , 2012 , 104, 259-70	3.5	148
17	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, 14863-72 ^{5.4}	5.4	34
16	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, 4703-17	5.6	46
15	RIP1 is required for IAP inhibitor-mediated sensitization of childhood acute leukemia cells to chemotherapy-induced apoptosis. <i>Leukemia</i> , 2012 , 26, 1020-9	10.7	57
14	The role of the IAP E3 ubiquitin ligases in regulating pattern-recognition receptor signalling. <i>Nature Reviews Immunology</i> , 2012 , 12, 833-44	36.5	54
13	Smac mimetic bypasses apoptosis resistance in FADD- or caspase-8-deficient cells by priming for tumor necrosis factor β -induced necroptosis. <i>Neoplasia</i> , 2011 , 13, 971-9	6.4	79
12	NOD-like receptors and the innate immune system: coping with danger, damage and death. <i>Cytokine and Growth Factor Reviews</i> , 2011 , 22, 257-76	17.9	144
11	The Ripoptosome: death decision in the cytosol. <i>Molecular Cell</i> , 2011 , 43, 323-5	17.6	46

10	clAP1 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, 656-65	12.7	251
9	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 B signaling. <i>Journal of Biological Chemistry</i> , 2011 , 286, 35874-35882	5.4	34
8	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	9.8	163
7	clAP1/2 are direct E3 ligases conjugating diverse types of ubiquitin chains to receptor interacting proteins kinases 1 to 4 (RIP1-4). <i>PLoS ONE</i> , 2011 , 6, e22356	3.7	74
6	ProNGF induces TNFalpha-dependent death of retinal ganglion cells through a p75NTR non-cell-autonomous signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 3817-22	11.5	101
5	Maged1, a new regulator of skeletal myogenic differentiation and muscle regeneration. <i>BMC Cell Biology</i> , 2010 , 11, 57		12
4	Cellular inhibitors of apoptosis clAP1 and clAP2 are required for innate immunity signaling by the pattern recognition receptors NOD1 and NOD2. <i>Immunity</i> , 2009 , 30, 789-801	32.3	261
3	NRAGE, a p75NTR adaptor protein, is required for developmental apoptosis in vivo. <i>Cell Death and Differentiation</i> , 2008 , 15, 1921-9	12.7	53
2	Apoptotic sensitivity of murine IAP-deficient cells. <i>Biochemical Journal</i> , 2008 , 415, 21-5	3.8	15
1	clAP1 and clAP2 facilitate cancer cell survival by functioning as E3 ligases that promote RIP1 ubiquitination. <i>Molecular Cell</i> , 2008 , 30, 689-700	17.6	835