

Peter Vandenabeele

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538
papers

55,146
citations

109
h-index

224
g-index

571
ext. papers

64,147
ext. citations

8
avg, IF

7.74
L-index

#	Paper	IF	Citations
538	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
537	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-546	10.2	2783
536	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
535	Molecular mechanisms of necroptosis: an ordered cellular explosion. <i>Nature Reviews Molecular Cell Biology</i> , 2010 , 11, 700-14	48.7	1603
534	Immunogenic cell death and DAMPs in cancer therapy. <i>Nature Reviews Cancer</i> , 2012 , 12, 860-75	31.3	1165
533	Necroptosis and its role in inflammation. <i>Nature</i> , 2015 , 517, 311-20	50.4	1065
532	Regulated necrosis: the expanding network of non-apoptotic cell death pathways. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 135-47	48.7	1063
531	Cytosolic flagellin requires Ipaf for activation of caspase-1 and interleukin 1beta in salmonella-infected macrophages. <i>Nature Immunology</i> , 2006 , 7, 576-82	19.1	910
530	Reference database of Raman spectra of biological molecules. <i>Journal of Raman Spectroscopy</i> , 2007 , 38, 1133-1147	2.3	903
529	Bacterial RNA and small antiviral compounds activate caspase-1 through cryopyrin/Nalp3. <i>Nature</i> , 2006 , 440, 233-6	50.4	891
528	Necroptosis: the release of damage-associated molecular patterns and its physiological relevance. <i>Immunity</i> , 2013 , 38, 209-23	32.3	797
527	Inhibition of caspases increases the sensitivity of L929 cells to necrosis mediated by tumor necrosis factor. <i>Journal of Experimental Medicine</i> , 1998 , 187, 1477-85	16.6	746
526	More than one way to die: apoptosis, necrosis and reactive oxygen damage. <i>Oncogene</i> , 1999 , 18, 7719-30	9.2	718
525	Toxic proteins released from mitochondria in cell death. <i>Oncogene</i> , 2004 , 23, 2861-74	9.2	700
524	Two tumour necrosis factor receptors: structure and function. <i>Trends in Cell Biology</i> , 1995 , 5, 392-9	18.3	698
523	The molecular machinery of regulated cell death. <i>Cell Research</i> , 2019 , 29, 347-364	24.7	583
522	Targeting Ferroptosis to Iron Out Cancer. <i>Cancer Cell</i> , 2019 , 35, 830-849	24.3	569

521	Neutrophil extracellular trap cell death requires both autophagy and superoxide generation. <i>Cell Research</i> , 2011 , 21, 290-304	24.7	527
520	Consensus guidelines for the detection of immunogenic cell death. <i>OncotImmunology</i> , 2014 , 3, e955691	7.2	524
519	Synchronized renal tubular cell death involves ferroptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 16836-41	11.5	519
518	Suppression of interleukin-33 bioactivity through proteolysis by apoptotic caspases. <i>Immunity</i> , 2009 , 31, 84-98	32.3	514
517	MLKL compromises plasma membrane integrity by binding to phosphatidylinositol phosphates. <i>Cell Reports</i> , 2014 , 7, 971-81	10.6	503
516	A novel pathway combining calreticulin exposure and ATP secretion in immunogenic cancer cell death. <i>EMBO Journal</i> , 2012 , 31, 1062-79	13	474
515	Dual signaling of the Fas receptor: initiation of both apoptotic and necrotic cell death pathways. <i>Journal of Experimental Medicine</i> , 1998 , 188, 919-30	16.6	472
514	Emerging role of damage-associated molecular patterns derived from mitochondria in inflammation. <i>Trends in Immunology</i> , 2011 , 32, 157-64	14.4	466
513	Apoptosis and necrosis: detection, discrimination and phagocytosis. <i>Methods</i> , 2008 , 44, 205-21	4.6	465
512	Necrosis, a well-orchestrated form of cell demise: signalling cascades, important mediators and concomitant immune response. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006 , 1757, 1371-87	4.6	464
511	Inhibition of apoptosis induced by ischemia-reperfusion prevents inflammation. <i>Journal of Clinical Investigation</i> , 1999 , 104, 541-9	15.9	444
510	Pannexin-1-mediated recognition of bacterial molecules activates the cryopyrin inflammasome independent of Toll-like receptor signaling. <i>Immunity</i> , 2007 , 26, 433-43	32.3	436
509	RIP kinase-dependent necrosis drives lethal systemic inflammatory response syndrome. <i>Immunity</i> , 2011 , 35, 908-18	32.3	388
508	Activation of p38 MAPK is required for Bax translocation to mitochondria, cytochrome c release and apoptosis induced by UVB irradiation in human keratinocytes. <i>FASEB Journal</i> , 2004 , 18, 1946-8	0.9	379
507	RIP kinases at the crossroads of cell death and survival. <i>Cell</i> , 2009 , 138, 229-32	56.2	374
506	Identification of a new caspase homologue: caspase-14. <i>Cell Death and Differentiation</i> , 1998 , 5, 838-46	12.7	369
505	The role of the kinases RIP1 and RIP3 in TNF-induced necrosis. <i>Science Signaling</i> , 2010 , 3, re4	8.8	348
504	Regulated necrosis: disease relevance and therapeutic opportunities. <i>Nature Reviews Drug Discovery</i> , 2016 , 15, 348-66	64.1	341

503	Mitochondrial intermembrane proteins in cell death. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 304, 487-97	3.4	319
502	Autophagy: for better or for worse. <i>Cell Research</i> , 2012 , 22, 43-61	24.7	304
501	Inflammation-associated enterotypes, host genotype, cage and inter-individual effects drive gut microbiota variation in common laboratory mice. <i>Genome Biology</i> , 2013 , 14, R4	18.3	293
500	Analysis with micro-Raman spectroscopy of natural organic binding media and varnishes used in art. <i>Analytica Chimica Acta</i> , 2000 , 407, 261-274	6.6	288
499	A decade of Raman spectroscopy in art and archaeology. <i>Chemical Reviews</i> , 2007 , 107, 675-86	68.1	284
498	ER stress-induced inflammation: does it aid or impede disease progression?. <i>Trends in Molecular Medicine</i> , 2012 , 18, 589-98	11.5	277
497	Clearance of apoptotic and necrotic cells and its immunological consequences. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006 , 11, 1709-26	5.4	263
496	Interleukin-10 controls interferon-gamma and tumor necrosis factor production during experimental endotoxemia. <i>European Journal of Immunology</i> , 1994 , 24, 1167-71	6.1	261
495	Major cell death pathways at a glance. <i>Microbes and Infection</i> , 2009 , 11, 1050-62	9.3	258
494	Molecular mechanisms and pathophysiology of necrotic cell death. <i>Current Molecular Medicine</i> , 2008 , 8, 207-20	2.5	255
493	NF- κ B-Independent Role of IKK β /IKK γ in Preventing RIPK1 Kinase-Dependent Apoptotic and Necroptotic Cell Death during TNF Signaling. <i>Molecular Cell</i> , 2015 , 60, 63-76	17.6	250
492	Is amyloidogenesis during Alzheimer's disease due to an IL-1-/IL-6-mediated 'acute phase response' in the brain?. <i>Trends in Immunology</i> , 1991 , 12, 217-9		248
491	Non-specific effects of methyl ketone peptide inhibitors of caspases. <i>FEBS Letters</i> , 1999 , 442, 117-21	3.8	246
490	Atractyloside-induced release of cathepsin B, a protease with caspase-processing activity. <i>FEBS Letters</i> , 1998 , 438, 150-8	3.8	241
489	Molecular and Translational Classifications of DAMPs in Immunogenic Cell Death. <i>Frontiers in Immunology</i> , 2015 , 6, 588	8.4	239
488	Initiation and execution mechanisms of necroptosis: an overview. <i>Cell Death and Differentiation</i> , 2017 , 24, 1184-1195	12.7	235
487	Caspase-14 protects against epidermal UVB photodamage and water loss. <i>Nature Cell Biology</i> , 2007 , 9, 666-74	23.4	234
486	Consensus guidelines for the definition, detection and interpretation of immunogenic cell death 2020 , 8,		233

485	Immunogenic cell death, DAMPs and anticancer therapeutics: an emerging amalgamation. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2010 , 1805, 53-71	11.2	227
484	P2Z purinoreceptor ligation induces activation of caspases with distinct roles in apoptotic and necrotic alterations of cell death. <i>FEBS Letters</i> , 1999 , 447, 71-5	3.8	225
483	RIPK1 ensures intestinal homeostasis by protecting the epithelium against apoptosis. <i>Nature</i> , 2014 , 513, 95-9	50.4	224
482	Beclin1: a role in membrane dynamics and beyond. <i>Autophagy</i> , 2012 , 8, 6-17	10.2	222
481	Targeted peptidecentric proteomics reveals caspase-7 as a substrate of the caspase-1 inflammasomes. <i>Molecular and Cellular Proteomics</i> , 2008 , 7, 2350-63	7.6	221
480	Loss of p63 and its microRNA-205 target results in enhanced cell migration and metastasis in prostate cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 15312-7	11.5	219
479	Heterogeneity of the gut microbiome in mice: guidelines for optimizing experimental design. <i>FEMS Microbiology Reviews</i> , 2016 , 40, 117-32	15.1	217
478	Nano-targeted induction of dual ferroptotic mechanisms eradicates high-risk neuroblastoma. <i>Journal of Clinical Investigation</i> , 2018 , 128, 3341-3355	15.9	215
477	Vaccination with Necroptotic Cancer Cells Induces Efficient Anti-tumor Immunity. <i>Cell Reports</i> , 2016 , 15, 274-87	10.6	204
476	Hypericin-based photodynamic therapy induces surface exposure of damage-associated molecular patterns like HSP70 and calreticulin. <i>Cancer Immunology, Immunotherapy</i> , 2012 , 61, 215-221	7.4	194
475	ROS-induced autophagy in cancer cells assists in evasion from determinants of immunogenic cell death. <i>Autophagy</i> , 2013 , 9, 1292-307	10.2	187
474	To NET or not to NET:current opinions and state of the science regarding the formation of neutrophil extracellular traps. <i>Cell Death and Differentiation</i> , 2019 , 26, 395-408	12.7	185
473	Cell death induction by receptors of the TNF family: towards a molecular understanding. <i>FEBS Letters</i> , 1997 , 410, 96-106	3.8	184
472	The activation of the c-Jun N-terminal kinase and p38 mitogen-activated protein kinase signaling pathways protects HeLa cells from apoptosis following photodynamic therapy with hypericin. <i>Journal of Biological Chemistry</i> , 1999 , 274, 8788-96	5.4	183
471	The emerging roles of serine protease cascades in the epidermis. <i>Trends in Biochemical Sciences</i> , 2009 , 34, 453-63	10.3	176
470	Raman spectroscopic database of azo pigments and application to modern art studies. <i>Journal of Raman Spectroscopy</i> , 2000 , 31, 509-517	2.3	176
469	Terminal differentiation of human keratinocytes and stratum corneum formation is associated with caspase-14 activation. <i>Journal of Investigative Dermatology</i> , 2000 , 115, 1148-51	4.3	169
468	Characterization of seven murine caspase family members. <i>FEBS Letters</i> , 1997 , 403, 61-9	3.8	164

467	Caspase-14 reveals its secrets. <i>Journal of Cell Biology</i> , 2008 , 180, 451-8	7.3	164
466	Determination of apoptotic and necrotic cell death in vitro and in vivo. <i>Methods</i> , 2013 , 61, 117-29	4.6	163
465	Phagocytosis of necrotic cells by macrophages is phosphatidylserine dependent and does not induce inflammatory cytokine production. <i>Molecular Biology of the Cell</i> , 2004 , 15, 1089-100	3.5	162
464	Caspase inhibitors promote alternative cell death pathways. <i>Science's STKE: Signal Transduction Knowledge Environment</i> , 2006 , 2006, pe44		161
463	Human TNF mutants with selective activity on the p55 receptor. <i>Nature</i> , 1993 , 361, 266-9	50.4	158
462	Are metacaspases caspases?. <i>Journal of Cell Biology</i> , 2007 , 179, 375-80	7.3	156
461	Tumor necrosis factor-mediated cell death: to break or to burst, that's the question. <i>Cellular and Molecular Life Sciences</i> , 2010 , 67, 1567-79	10.3	154
460	Functional protection by acute phase proteins alpha(1)-acid glycoprotein and alpha(1)-antitrypsin against ischemia/reperfusion injury by preventing apoptosis and inflammation. <i>Circulation</i> , 2000 , 102, 1420-6	16.7	152
459	Reference database of Raman spectra of pharmaceutical excipients. <i>Journal of Raman Spectroscopy</i> , 2009 , 40, 297-307	2.3	149
458	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
457	Sesquiterpene lactones as drugs with multiple targets in cancer treatment: focus on parthenolide. <i>Anti-Cancer Drugs</i> , 2012 , 23, 883-96	2.4	144
456	Caspase-14 is required for filaggrin degradation to natural moisturizing factors in the skin. <i>Journal of Investigative Dermatology</i> , 2011 , 131, 2233-41	4.3	136
455	Translation inhibition in apoptosis: caspase-dependent PKR activation and eIF2-alpha phosphorylation. <i>Journal of Biological Chemistry</i> , 2001 , 276, 41620-8	5.4	135
454	The 55-kDa tumor necrosis factor receptor induces clustering of mitochondria through its membrane-proximal region. <i>Journal of Biological Chemistry</i> , 1998 , 273, 9673-80	5.4	131
453	The role of mobile instrumentation in novel applications of Raman spectroscopy: archaeometry, geosciences, and forensics. <i>Chemical Society Reviews</i> , 2014 , 43, 2628-49	58.5	130
452	Tumour necrosis factor-induced necrosis versus anti-Fas-induced apoptosis in L929 cells. <i>Cytokine</i> , 1997 , 9, 801-8	4	130
451	Comparative study of mobile Raman instrumentation for art analysis. <i>Analytica Chimica Acta</i> , 2007 , 588, 108-16	6.6	129
450	Passenger Mutations Confound Interpretation of All Genetically Modified Congenic Mice. <i>Immunity</i> , 2015 , 43, 200-9	32.3	128

449	Cathepsin B-mediated activation of the proinflammatory caspase-11. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 251, 379-87	3.4	128
448	Disruption of HSP90 function reverts tumor necrosis factor-induced necrosis to apoptosis. <i>Journal of Biological Chemistry</i> , 2003 , 278, 5622-9	5.4	127
447	Interferon- β therapy against EAE is effective only when development of the disease depends on the NLRP3 inflammasome. <i>Science Signaling</i> , 2012 , 5, ra38	8.8	126
446	Programmed necrosis from molecules to health and disease. <i>International Review of Cell and Molecular Biology</i> , 2011 , 289, 1-35	6	125
445	Glutathione peroxidase 4 prevents necroptosis in mouse erythroid precursors. <i>Blood</i> , 2016 , 127, 139-48	2.2	123
444	Molecular crosstalk between apoptosis, necroptosis, and survival signaling. <i>Molecular and Cellular Oncology</i> , 2015 , 2, e975093	1.2	121
443	Depletion of Beclin-1 due to proteolytic cleavage by caspases in the Alzheimer's disease brain. <i>Neurobiology of Disease</i> , 2011 , 43, 68-78	7.5	121
442	p38 mitogen-activated protein kinase regulates a novel, caspase-independent pathway for the mitochondrial cytochrome c release in ultraviolet B radiation-induced apoptosis. <i>Journal of Biological Chemistry</i> , 2000 , 275, 21416-21	5.4	121
441	TNFR1- and TNFR2-mediated signaling pathways in human kidney are cell type-specific and differentially contribute to renal injury. <i>FASEB Journal</i> , 2005 , 19, 1637-45	0.9	117
440	Redox regulation of TNF signaling. <i>BioFactors</i> , 1999 , 10, 145-56	6.1	117
439	Cleavage of PITSLRE kinases by ICE/CASP-1 and CPP32/CASP-3 during apoptosis induced by tumor necrosis factor. <i>Journal of Biological Chemistry</i> , 1997 , 272, 11694-7	5.4	115
438	Hypericin-induced photosensitization of HeLa cells leads to apoptosis or necrosis. Involvement of cytochrome c and procaspase-3 activation in the mechanism of apoptosis. <i>FEBS Letters</i> , 1998 , 440, 19-24 ^{3.8}		115
437	Caspase-1 activates nuclear factor of the kappa-enhancer in B cells independently of its enzymatic activity. <i>Journal of Biological Chemistry</i> , 2004 , 279, 24785-93	5.4	113
436	The death-fold superfamily of homotypic interaction motifs. <i>Trends in Biochemical Sciences</i> , 2011 , 36, 541-52	10.3	112
435	Targeting Rac1 by the Yersinia effector protein YopE inhibits caspase-1-mediated maturation and release of interleukin-1beta. <i>Journal of Biological Chemistry</i> , 2004 , 279, 25134-42	5.4	111
434	TTRAP, a novel protein that associates with CD40, tumor necrosis factor (TNF) receptor-75 and TNF receptor-associated factors (TRAFs), and that inhibits nuclear factor-kappa B activation. <i>Journal of Biological Chemistry</i> , 2000 , 275, 18586-93	5.4	111
433	The Transcription Factor ZEB2 Is Required to Maintain the Tissue-Specific Identities of Macrophages. <i>Immunity</i> , 2018 , 49, 312-325.e5	32.3	110
432	Raman spectroscopy for the investigation of carbon-based black pigments. <i>Journal of Raman Spectroscopy</i> , 2015 , 46, 1003-1015	2.3	110

431	Regulation of the expression and processing of caspase-12. <i>Journal of Cell Biology</i> , 2003 , 162, 457-67	7.3	110
430	Simultaneous targeting of IL-1 and IL-18 is required for protection against inflammatory and septic shock. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 189, 282-91	10.2	109
429	Acute modulations in permeability barrier function regulate epidermal cornification: role of caspase-14 and the protease-activated receptor type 2. <i>American Journal of Pathology</i> , 2008 , 172, 86-97	5.8	109
428	Raman spectroscopic analysis of the Maya wall paintings in Ek'Balam, Mexico. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005 , 61, 2349-56	4.4	109
427	Necroptosis, in vivo detection in experimental disease models. <i>Seminars in Cell and Developmental Biology</i> , 2014 , 35, 2-13	7.5	108
426	MK2 phosphorylation of RIPK1 regulates TNF-mediated cell death. <i>Nature Cell Biology</i> , 2017 , 19, 1237-1244	23.4	108
425	The EMAPII cytokine is released from the mammalian multisynthetase complex after cleavage of its p43/proEMAPII component. <i>Journal of Biological Chemistry</i> , 2001 , 276, 23769-76	5.4	105
424	Cell death in the skin. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009 , 14, 549-69	5.4	104
423	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
422	Proteome-wide Identification of HtrA2/Omi Substrates. <i>Journal of Proteome Research</i> , 2007 , 6, 1006-15	5.6	101
421	The Nod-like receptor family member Naip5/Birc1e restricts Legionella pneumophila growth independently of caspase-1 activation. <i>Journal of Immunology</i> , 2007 , 178, 8022-7	5.3	99
420	DAMPs and PDT-mediated photo-oxidative stress: exploring the unknown. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 670-80	4.2	98
419	Yersinia enterocolitica YopP-induced apoptosis of macrophages involves the apoptotic signaling cascade upstream of bid. <i>Journal of Biological Chemistry</i> , 2001 , 276, 19706-14	5.4	98
418	The pseudokinase MLKL mediates programmed hepatocellular necrosis independently of RIPK3 during hepatitis. <i>Journal of Clinical Investigation</i> , 2016 , 126, 4346-4360	15.9	98
417	ATP release from dying autophagic cells and their phagocytosis are crucial for inflammasome activation in macrophages. <i>PLoS ONE</i> , 2012 , 7, e40069	3.7	96
416	SitePredicting the cleavage of proteinase substrates. <i>Trends in Biochemical Sciences</i> , 2009 , 34, 319-23	10.3	94
415	Raman spectroscopic study of Lactarius spores (Russulales, Fungi). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005 , 61, 2896-908	4.4	94
414	CHIP controls necroptosis through ubiquitylation- and lysosome-dependent degradation of RIPK3. <i>Nature Cell Biology</i> , 2016 , 18, 291-302	23.4	93

413	Cigarette smoke-induced necroptosis and DAMP release trigger neutrophilic airway inflammation in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 310, L377-86	5.8	92
412	Methods for distinguishing apoptotic from necrotic cells and measuring their clearance. <i>Methods in Enzymology</i> , 2008 , 442, 307-41	1.7	92
411	Detection of counterfeit Viagra with Raman spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 46, 303-9	3.5	92
410	Differential signaling to apoptotic and necrotic cell death by Fas-associated death domain protein FADD. <i>Journal of Biological Chemistry</i> , 2004 , 279, 7925-33	5.4	91
409	Generation and biological characterization of membrane-bound, uncleavable murine tumor necrosis factor. <i>Journal of Biological Chemistry</i> , 1995 , 270, 18473-8	5.4	91
408	Necroptotic cell death in anti-cancer therapy. <i>Immunological Reviews</i> , 2017 , 280, 207-219	11.3	87
407	Bcl-2 family members as sentinels of cellular integrity and role of mitochondrial intermembrane space proteins in apoptotic cell death. <i>Acta Haematologica</i> , 2004 , 111, 7-27	2.7	87
406	Tumor necrosis factor-alpha-induced activation of RhoA in airway smooth muscle cells: role in the Ca ²⁺ sensitization of myosin light chain ²⁰ phosphorylation. <i>Molecular Pharmacology</i> , 2003 , 63, 714-21	4.3	87
405	Characterisation of a portable Raman spectrometer for in situ analysis of art objects. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 118, 294-301	4.4	86
404	An evolutionary perspective on the necroptotic pathway. <i>Trends in Cell Biology</i> , 2016 , 26, 721-732	18.3	86
403	Life and death of female gametes during oogenesis and folliculogenesis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2008 , 13, 1065-87	5.4	83
402	A new instrument adapted to in situ Raman analysis of objects of art. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 379, 137-42	4.4	80
401	Hypothermia and hypoglycemia induced by anti-CD3 monoclonal antibody in mice: role of tumor necrosis factor. <i>European Journal of Immunology</i> , 1990 , 20, 707-10	6.1	80
400	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
399	Necrosis is associated with IL-6 production but apoptosis is not. <i>Cellular Signalling</i> , 2006 , 18, 328-35	4.9	79
398	Evaluation of an accurate calibration and spectral standardization procedure for Raman spectroscopy. <i>Analyst, The</i> , 2005 , 130, 1204-14	5	78
397	Caspase-induced proteolysis of the cyclin-dependent kinase inhibitor p27Kip1 mediates its anti-apoptotic activity. <i>Oncogene</i> , 1999 , 18, 4839-47	9.2	78
396	The emergence of phox-ER stress induced immunogenic apoptosis. <i>Oncolmmunology</i> , 2012 , 1, 786-788	7.2	77

395	In situ analysis of mediaeval wall paintings: a challenge for mobile Raman spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 383, 707-12	4.4	77
394	Severity of doxorubicin-induced small intestinal mucositis is regulated by the TLR-2 and TLR-9 pathways. <i>Journal of Pathology</i> , 2012 , 226, 598-608	9.4	76
393	Phosphatidyl serine exposure during apoptosis precedes release of cytochrome c and decrease in mitochondrial transmembrane potential. <i>FEBS Letters</i> , 2000 , 465, 47-52	3.8	76
392	Inflammatory caspases: targets for novel therapies. <i>Current Pharmaceutical Design</i> , 2007 , 13, 367-85	3.3	75
391	Tumor necrosis factor-alpha mediates both apoptotic cell death and cell proliferation in a human hematopoietic cell line dependent on mitotic activity and receptor subtype expression. <i>Journal of Biological Chemistry</i> , 1999 , 274, 9539-47	5.4	75
390	Boosting Apoptotic Cell Clearance by Colonic Epithelial Cells Attenuates Inflammation In Vivo. <i>Immunity</i> , 2016 , 44, 807-20	32.3	75
389	On the stability of mediaeval inorganic pigments: a literature review of the effect of climate, material selection, biological activity, analysis and conservation treatments. <i>Heritage Science</i> , 2017 , 5,	2.5	74
388	Creation and X-ray structure analysis of the tumor necrosis factor receptor-1-selective mutant of a tumor necrosis factor-alpha antagonist. <i>Journal of Biological Chemistry</i> , 2008 , 283, 998-1007	5.4	74
387	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
386	The IL-33/ST2 axis is crucial in type 2 airway responses induced by Staphylococcus aureus-derived serine protease-like protein D. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 141, 549-559.e7	11.5	73
385	Investigation of pigments in medieval manuscripts by micro raman spectroscopy and total reflection X-ray fluorescence spectrometry. <i>Mikrochimica Acta</i> , 1999 , 130, 253-260	5.8	73
384	An outline of necrosome triggers. <i>Cellular and Molecular Life Sciences</i> , 2016 , 73, 2137-52	10.3	73
383	Fast detection and identification of counterfeit antimalarial tablets by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2007 , 38, 181-187	2.3	72
382	INCA, a novel human caspase recruitment domain protein that inhibits interleukin-1beta generation. <i>Journal of Biological Chemistry</i> , 2004 , 279, 51729-38	5.4	71
381	Differential activation of nuclear factor-kappaB by tumour necrosis factor receptor subtypes. TNFR1 predominates whereas TNFR2 activates transcription poorly. <i>FEBS Letters</i> , 2002 , 515, 119-26	3.8	70
380	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
379	Forensic analysis of automotive paints by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2005 , 36, 1059-1067	2.3	69
378	Pigment investigation of a late-medieval manuscript with total reflection X-ray fluorescence and micro-Raman spectroscopy. <i>Analyst, The</i> , 1999 , 124, 169-172	5	69

377	2013,		67
376	NLRP3/caspase-1-independent IL-1beta production mediates diesel exhaust particle-induced pulmonary inflammation. <i>Journal of Immunology</i> , 2011 , 187, 3331-7	5.3	66
375	Casein kinase-1 phosphorylates the p75 tumor necrosis factor receptor and negatively regulates tumor necrosis factor signaling for apoptosis. <i>Journal of Biological Chemistry</i> , 1995 , 270, 23293-9	5.4	66
374	Mobile Spectroscopic Instrumentation in Archaeometry Research. <i>Applied Spectroscopy</i> , 2016 , 70, 27-41	3.1	65
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