

# Joseph A Trapani

## List of Publications by Citations

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142  
papers

10,361  
citations

54  
h-index

101  
g-index

152  
ext. papers

11,921  
ext. citations

10  
avg, IF

6.06  
L-index

#	Paper	IF	Citations
142	Functional significance of the perforin/granzyme cell death pathway. <i>Nature Reviews Immunology</i> , <b>2002</b> , 2, 735-47	36.5	854
141	Differential tumor surveillance by natural killer (NK) and NKT cells. <i>Journal of Experimental Medicine</i> , <b>2000</b> , 191, 661-8	16.6	651
140	A fresh look at tumor immunosurveillance and immunotherapy. <i>Nature Immunology</i> , <b>2001</b> , 2, 293-9	19.1	577
139	Perforin and granzymes: function, dysfunction and human pathology. <i>Nature Reviews Immunology</i> , <b>2015</b> , 15, 388-400	36.5	530
138	Perforin-mediated cytotoxicity is critical for surveillance of spontaneous lymphoma. <i>Journal of Experimental Medicine</i> , <b>2000</b> , 192, 755-60	16.6	427
137	Perforin-mediated target-cell death and immune homeostasis. <i>Nature Reviews Immunology</i> , <b>2006</b> , 6, 940-5	36.5	425
136	Granzymes: exogenous proteinases that induce target cell apoptosis. <i>Trends in Immunology</i> , <b>1995</b> , 16, 202-6		341
135	Initiation of apoptosis by granzyme B requires direct cleavage of bid, but not direct granzyme B-mediated caspase activation. <i>Journal of Experimental Medicine</i> , <b>2000</b> , 192, 1403-14	16.6	300
134	The structural basis for membrane binding and pore formation by lymphocyte perforin. <i>Nature</i> , <b>2010</b> , 468, 447-51	50.4	289
133	A cytosolic granzyme B inhibitor related to the viral apoptotic regulator cytokine response modifier A is present in cytotoxic lymphocytes. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 27802-9	5.4	241
132	The Ced-3/interleukin 1beta converting enzyme-like homolog Mch6 and the lamin-cleaving enzyme Mch2alpha are substrates for the apoptotic mediator CPP32. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 27099-106	5.4	238
131	The MACPF/CDC family of pore-forming toxins. <i>Cellular Microbiology</i> , <b>2008</b> , 10, 1765-74	3.9	214
130	Cloning a novel member of the human interferon-inducible gene family associated with control of tumorigenicity in a model of human melanoma. <i>Oncogene</i> , <b>1997</b> , 15, 453-7	9.2	196
129	Granzyme B (GraB) autonomously crosses the cell membrane and perforin initiates apoptosis and GraB nuclear localization. <i>Journal of Experimental Medicine</i> , <b>1997</b> , 185, 855-66	16.6	195
128	Granzyme B: pro-apoptotic, antiviral and antitumor functions. <i>Current Opinion in Immunology</i> , <b>2003</b> , 15, 533-43	7.8	193
127	Cytosolic delivery of granzyme B by bacterial toxins: evidence that endosomal disruption, in addition to transmembrane pore formation, is an important function of perforin. <i>Molecular and Cellular Biology</i> , <b>1999</b> , 19, 8604-15	4.8	169
126	The major human and mouse granzymes are structurally and functionally divergent. <i>Journal of Cell Biology</i> , <b>2006</b> , 175, 619-30	7.3	166

125	Perforin forms transient pores on the target cell plasma membrane to facilitate rapid access of granzymes during killer cell attack. <i>Blood</i> , <b>2013</b> , 121, 2659-68	2.2	153
124	Caspase activation by granzyme B is indirect, and caspase autoprocessing requires the release of proapoptotic mitochondrial factors. <i>Immunity</i> , <b>2003</b> , 18, 319-29	32.3	137
123	Failed CTL/NK cell killing and cytokine hypersecretion are directly linked through prolonged synapse time. <i>Journal of Experimental Medicine</i> , <b>2015</b> , 212, 307-17	16.6	135
122	The immunostimulatory effect of lenalidomide on NK-cell function is profoundly inhibited by concurrent dexamethasone therapy. <i>Blood</i> , <b>2011</b> , 117, 1605-13	2.2	129
121	TRAIL+ NK cells control CD4+ T cell responses during chronic viral infection to limit autoimmunity. <i>Immunity</i> , <b>2014</b> , 41, 646-56	32.3	123
120	Tumor immune evasion arises through loss of TNF sensitivity. <i>Science Immunology</i> , <b>2018</b> , 3,	28	119
119	Calcium-dependent plasma membrane binding and cell lysis by perforin are mediated through its C2 domain: A critical role for aspartate residues 429, 435, 483, and 485 but not 491. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 8426-34	5.4	114
118	Apoptosis induced by the lymphocyte effector molecule perforin. <i>Current Opinion in Immunology</i> , <b>2007</b> , 19, 339-47	7.8	111
117	The molecular basis for perforin oligomerization and transmembrane pore assembly. <i>Immunity</i> , <b>2009</b> , 30, 684-95	32.3	102
116	Temperature sensitivity of human perforin mutants unmasks subtotal loss of cytotoxicity, delayed FHL, and a predisposition to cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 9809-14	11.5	101
115	A central role for Bid in granzyme B-induced apoptosis. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 4476-82	8.4	101
114	Granzyme M mediates a novel form of perforin-dependent cell death. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 22236-42	5.4	96
113	A clathrin/dynamin- and mannose-6-phosphate receptor-independent pathway for granzyme B-induced cell death. <i>Journal of Cell Biology</i> , <b>2003</b> , 160, 223-33	7.3	90
112	Localization of granzyme B in the nucleus. A putative role in the mechanism of cytotoxic lymphocyte-mediated apoptosis. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 4127-33	5.4	90
111	Functional interaction between p53 and the interferon-inducible nucleoprotein IFI 16. <i>Oncogene</i> , <b>2000</b> , 19, 6033-42	9.2	88
110	Nuclear transport of granzyme B (fragmentin-2). Dependence of perforin in vivo and cytosolic factors in vitro. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 30781-9	5.4	85
109	Conformational changes during pore formation by the perforin-related protein pleurotolysin. <i>PLoS Biology</i> , <b>2015</b> , 13, e1002049	9.7	83
108	A functional analysis of the putative polymorphisms A91V and N252S and 22 missense perforin mutations associated with familial hemophagocytic lymphohistiocytosis. <i>Blood</i> , <b>2005</b> , 105, 4700-6	2.2	82

107	CTL granules: evolution of vesicles essential for combating virus infections. <i>Trends in Immunology</i> , <b>1999</b> , 20, 351-6		82
106	Cutting edge: granzymes A and B are not essential for perforin-mediated tumor rejection. <i>Journal of Immunology</i> , <b>2003</b> , 171, 515-8	5.3	79
105	Perforin activity and immune homeostasis: the common A91V polymorphism in perforin results in both presynaptic and postsynaptic defects in function. <i>Blood</i> , <b>2007</b> , 110, 1184-90	2.2	77
104	Cytotoxic T lymphocyte-induced killing in the absence of granzymes A and B is unique and distinct from both apoptosis and perforin-dependent lysis. <i>Journal of Cell Biology</i> , <b>2006</b> , 173, 133-44	7.3	76
103	Dual-specific Chimeric Antigen Receptor T Cells and an Indirect Vaccine Eradicate a Variety of Large Solid Tumors in an Immunocompetent, Self-antigen Setting. <i>Clinical Cancer Research</i> , <b>2017</b> , 23, 2478-2490	12.9	71
102	Cationic sites on granzyme B contribute to cytotoxicity by promoting its uptake into target cells. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 7854-67	4.8	68
101	CAR-T Cells Inflict Sequential Killing of Multiple Tumor Target Cells. <i>Cancer Immunology Research</i> , <b>2015</b> , 3, 483-94	12.5	65
100	Perforin-dependent nuclear entry of granzyme B precedes apoptosis, and is not a consequence of nuclear membrane dysfunction. <i>Cell Death and Differentiation</i> , <b>1998</b> , 5, 488-96	12.7	65
99	Gene-engineered T cells as a superior adjuvant therapy for metastatic cancer. <i>Journal of Immunology</i> , <b>2004</b> , 173, 2143-50	5.3	65
98	Granzymes: a variety of serine protease specificities encoded by genetically distinct subfamilies. <i>Journal of Leukocyte Biology</i> , <b>1996</b> , 60, 555-62	6.5	64
97	The functional basis for hemophagocytic lymphohistiocytosis in a patient with co-inherited missense mutations in the perforin (PFN1) gene. <i>Journal of Experimental Medicine</i> , <b>2004</b> , 200, 811-6	16.6	63
96	Protecting a serial killer: pathways for perforin trafficking and self-defence ensure sequential target cell death. <i>Trends in Immunology</i> , <b>2012</b> , 33, 406-12	14.4	61
95	Processing of the Nedd2 precursor by ICE-like proteases and granzyme B. <i>Genes To Cells</i> , <b>1996</b> , 1, 673-85	2.3	61
94	The dual adverse effects of TGF-beta secretion on tumor progression. <i>Cancer Cell</i> , <b>2005</b> , 8, 349-50	24.3	59
93	Residual active granzyme B in cathepsin C-null lymphocytes is sufficient for perforin-dependent target cell apoptosis. <i>Journal of Cell Biology</i> , <b>2007</b> , 176, 425-33	7.3	58
92	Rapid and unidirectional perforin pore delivery at the cytotoxic immune synapse. <i>Journal of Immunology</i> , <b>2013</b> , 191, 2328-34	5.3	57
91	Real-time visualization of perforin nanopore assembly. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 467-473	28.7	56
90	Dual mechanisms of apoptosis induction by cytotoxic lymphocytes. <i>International Review of Cytology</i> , <b>1998</b> , 182, 111-92		56

89	Protection from endogenous perforin: glycans and the C terminus regulate exocytic trafficking in cytotoxic lymphocytes. <i>Immunity</i> , <b>2011</b> , 34, 879-92	32.3	54
88	IFI 16 gene encodes a nuclear protein whose expression is induced by interferons in human myeloid leukaemia cell lines. <i>Journal of Cellular Biochemistry</i> , <b>1995</b> , 57, 39-51	4.7	54
87	Adoptive cellular therapy with T cells expressing the dendritic cell growth factor Flt3L drives epitope spreading and antitumor immunity. <i>Nature Immunology</i> , <b>2020</b> , 21, 914-926	19.1	53
86	Activation of cytotoxic cells in hyperplastic lymph nodes from HIV-infected patients. <i>Aids</i> , <b>1991</b> , 5, 1071-9	3.5	47
85	A Multifunctional Role for Adjuvant Anti-4-1BB Therapy in Augmenting Antitumor Response by Chimeric Antigen Receptor T Cells. <i>Cancer Research</i> , <b>2017</b> , 77, 1296-1309	10.1	46
84	Human perforin mutations and susceptibility to multiple primary cancers. <i>Oncot Immunology</i> , <b>2013</b> , 2, e24185	7.2	46
83	Epigenetic control of mitochondrial cell death through PACS1-mediated regulation of BAX/BAK oligomerization. <i>Cell Death and Differentiation</i> , <b>2017</b> , 24, 961-970	12.7	45
82	Perforinopathy: a spectrum of human immune disease caused by defective perforin delivery or function. <i>Frontiers in Immunology</i> , <b>2013</b> , 4, 441	8.4	44
81	Addressing the mysteries of perforin function. <i>Immunology and Cell Biology</i> , <b>2006</b> , 84, 66-71	5	39
80	Dual PD-1 and CTLA-4 Checkpoint Blockade Promotes Antitumor Immune Responses through CD4Foxp3 Cell-Mediated Modulation of CD103 Dendritic Cells. <i>Cancer Immunology Research</i> , <b>2018</b> , 6, 1069-1081	12.5	38
79	HIN-200: a novel family of IFN-inducible nuclear proteins expressed in leukocytes. <i>Journal of Leukocyte Biology</i> , <b>1996</b> , 60, 310-6	6.5	38
78	Lipid order and charge protect killer T cells from accidental death. <i>Nature Communications</i> , <b>2019</b> , 10, 5396	17.4	34
77	Killing by cytotoxic T cells and natural killer cells: multiple granule serine proteases as initiators of DNA fragmentation. <i>Immunology and Cell Biology</i> , <b>1993</b> , 71 ( Pt 3), 201-8	5	31
76	Heterozygosity for the common perforin mutation, p.A91V, impairs the cytotoxicity of primary natural killer cells from healthy individuals. <i>Immunology and Cell Biology</i> , <b>2015</b> , 93, 575-80	5	30
75	The closely linked genes encoding the myeloid nuclear differentiation antigen (MNDA) and IFI16 exhibit contrasting haemopoietic expression. <i>Immunogenetics</i> , <b>1995</b> , 41, 40-3	3.2	27
74	Untimely TGFβ responses in COVID-19 limit antiviral functions of NK cells. <i>Nature</i> , <b>2021</b> , 600, 295-301	50.4	26
73	Differential effects of BTK inhibitors ibrutinib and zanubrutinib on NK-cell effector function in patients with mantle cell lymphoma. <i>Haematologica</i> , <b>2020</b> , 105, e76-e79	6.6	26
72	The use of chimeric human Fc(epsilon) receptor I to redirect cytotoxic T lymphocytes to tumors. <i>Journal of Leukocyte Biology</i> , <b>1996</b> , 60, 721-8	6.5	24

71	The perforin pore facilitates the delivery of cationic cargos. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 9172-81	5.4	23
70	Blockade of the co-inhibitory molecule PD-1 unleashes ILC2-dependent antitumor immunity in melanoma. <i>Nature Immunology</i> , <b>2021</b> , 22, 851-864	19.1	23
69	Serglycin determines secretory granule repertoire and regulates natural killer cell and cytotoxic T lymphocyte cytotoxicity. <i>FEBS Journal</i> , <b>2016</b> , 283, 947-61	5.7	23
68	A renaissance in understanding the multiple and diverse functions of granzymes?. <i>Immunity</i> , <b>2008</b> , 29, 665-7	32.3	19
67	Intratumoral Copper Modulates PD-L1 Expression and Influences Tumor Immune Evasion. <i>Cancer Research</i> , <b>2020</b> , 80, 4129-4144	10.1	19
66	Measuring cell death mediated by cytotoxic lymphocytes or their granule effector molecules. <i>Methods</i> , <b>2008</b> , 44, 241-9	4.6	18
65	Regulation of perforin activation and pre-synaptic toxicity through C-terminal glycosylation. <i>EMBO Reports</i> , <b>2017</b> , 18, 1775-1785	6.5	17
64	The granzyme B gene is highly polymorphic in wild mice but essentially invariant in common inbred laboratory strains. <i>Tissue Antigens</i> , <b>2007</b> , 70, 198-204		17
63	Recognition of the Major Histocompatibility Complex (MHC) Class Ib Molecule H2-Q10 by the Natural Killer Cell Receptor Ly49C. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 18740-52	5.4	17
62	Structural Basis for Ca <sup>2+</sup> -mediated Interaction of the Perforin C2 Domain with Lipid Membranes. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 25213-26	5.4	16
61	Distinct granzyme expression in human CD3 <sup>-</sup> CD56 <sup>+</sup> large granular- and CD3 <sup>-</sup> CD56 <sup>+</sup> small high density-lymphocytes displaying non-MHC-restricted cytolytic activity. <i>Journal of Leukocyte Biology</i> , <b>1995</b> , 57, 88-93	6.5	16
60	HDAC Inhibitor Panobinostat Engages Host Innate Immune Defenses to Promote the Tumoricidal Effects of Trastuzumab in HER2 Tumors. <i>Cancer Research</i> , <b>2017</b> , 77, 2594-2606	10.1	15
59	Missense mutations in the perforin (PRF1) gene as a cause of hereditary cancer predisposition. <i>Oncot Immunology</i> , <b>2016</b> , 5, e1179415	7.2	15
58	Diarylthiophenes as inhibitors of the pore-forming protein perforin. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2016</b> , 26, 355-360	2.9	14
57	A natural genetic variant of granzyme B confers lethality to a common viral infection. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004526	7.6	13
56	Defining the interaction of perforin with calcium and the phospholipid membrane. <i>Biochemical Journal</i> , <b>2013</b> , 456, 323-35	3.8	13
55	Reprogrammed CRISPR-Cas13b suppresses SARS-CoV-2 replication and circumvents its mutational escape through mismatch tolerance. <i>Nature Communications</i> , <b>2021</b> , 12, 4270	17.4	13
54	SUGAR-seq enables simultaneous detection of glycans, epitopes, and the transcriptome in single cells. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	13

53	CAR-T cells are serial killers. <i>OncImmunity</i> , <b>2015</b> , 4, e1053684	7.2	12
52	Down-regulation of a pro-apoptotic pathway regulated by PCAF/ADA3 in early stage gastric cancer. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 442	9.8	12
51	Immune profiling of pediatric solid tumors. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 3391-3402	15.9	12
50	B cell-derived circulating granzyme B is a feature of acute infectious mononucleosis. <i>Clinical and Translational Immunology</i> , <b>2015</b> , 4, e38	6.8	11
49	B-CLL cells acquire APC- and CTL-like phenotypic characteristics after stimulation with CpG ODN and IL-21. <i>International Immunology</i> , <b>2014</b> , 26, 383-95	4.9	10
48	Late-Onset Non-HLH Presentations of Growth Arrest, Inflammatory Arachnoiditis, and Severe Infectious Mononucleosis, in Siblings with Hypomorphic Defects in. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 944	8.4	10
47	Enhancing chimeric antigen receptor T-cell immunotherapy against cancer using a nanoemulsion-based vaccine targeting cross-presenting dendritic cells. <i>Clinical and Translational Immunology</i> , <b>2020</b> , 9, e1157	6.8	10
46	Tumor-mediated apoptosis of cancer-specific T lymphocytes--reversing the "kiss of death"?. <i>Cancer Cell</i> , <b>2002</b> , 2, 169-71	24.3	9
45	Bi-Allelic Mutations in STXBP2 Reveal a Complementary Role for STXBP1 in Cytotoxic Lymphocyte Killing. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 529	8.4	8
44	The complex issue of regulating perforin expression. <i>Trends in Immunology</i> , <b>2007</b> , 28, 243-5	14.4	8
43	A role for multiple chimeric antigen receptor-expressing leukocytes in antigen-specific responses to cancer. <i>Oncotarget</i> , <b>2016</b> , 7, 34582-98	3.3	8
42	PVRIG is a novel natural killer cell immune checkpoint receptor in acute myeloid leukemia. <i>Haematologica</i> , <b>2021</b> , 106, 3115-3124	6.6	8
41	Spontaneous T cell responses to melanoma differentiation antigens from melanoma patients and healthy subjects. <i>Cancer Immunology, Immunotherapy</i> , <b>1998</b> , 47, 191-7	7.4	7
40	Use of the 5Rflanking region of the mouse perforin gene to express human Fc gamma receptor I in cytotoxic T lymphocytes. <i>Journal of Leukocyte Biology</i> , <b>1994</b> , 55, 514-22	6.5	7
39	Infective, neoplastic, and homeostatic sequelae of the loss of perforin function in humans. <i>Advances in Experimental Medicine and Biology</i> , <b>2007</b> , 601, 235-42	3.6	7
38	Benzenesulphonamide inhibitors of the cytolytic protein perforin. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2017</b> , 27, 1050-1054	2.9	6
37	Perforin-dependent cytotoxicity: Kiss of death or prolonged embrace with darker elocation-idnseque11es?. <i>OncImmunity</i> , <b>2015</b> , 4, e1036215	7.2	6
36	A method for detecting intracellular perforin in mouse lymphocytes. <i>Journal of Immunology</i> , <b>2014</b> , 193, 5744-50	5.3	6



35	Lipid specificity of the immune effector perforin. <i>Faraday Discussions</i> , <b>2021</b> ,	3.6	5
34	Response: dexamethasone dose alters expression of NK activating receptors in vivo. <i>Blood</i> , <b>2011</b> , 118, 6466-6468	2.2	4
33	Lymphocyte granule-mediated cell death. <i>Seminars in Immunopathology</i> , <b>1998</b> , 19, 323-43		4
32	Cross-talk between tumors at anatomically distinct sites. <i>FEBS Journal</i> , <b>2021</b> , 288, 81-90	5.7	4
31	Adaptive reprogramming of NK cells in X-linked lymphoproliferative syndrome. <i>Blood</i> , <b>2018</b> , 131, 699-702.2		4
30	Substituted arylsulphonamides as inhibitors of perforin-mediated lysis. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 137, 139-155	6.8	3
29	Induction of potent NK cell-dependent anti-myeloma cytotoxic T cells in response to combined mapatumumab and bortezomib. <i>Onc Immunology</i> , <b>2015</b> , 4, e1038011	7.2	3
28	Analysis of Perforin Assembly by Quartz Crystal Microbalance Reveals a Role for Cholesterol and Calcium-independent Membrane Binding. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 31101-12	5.4	3
27	Dissecting the apoptotic mechanisms of chemotherapeutic drugs and lymphocytes to design effective anticancer therapies. <i>Drug Development Research</i> , <b>2001</b> , 52, 549-557	5.1	3
26	Expression of human perforin in a mouse cytotoxic T lymphocyte cell line: evidence for perturbation of granule-mediated cytotoxicity. <i>Journal of Leukocyte Biology</i> , <b>1993</b> , 54, 528-33	6.5	3
25	Challenges of PD-L1 testing in non-small cell lung cancer and beyond. <i>Journal of Thoracic Disease</i> , <b>2020</b> , 12, 4541-4548	2.6	3
24	Distinguishing perforin-mediated lysis and granzyme-dependent apoptosis. <i>Methods in Enzymology</i> , <b>2019</b> , 629, 291-306	1.7	3
23	Chimeric Antigen Receptor T cell Therapy and the Immunosuppressive Tumor Microenvironment in Pediatric Sarcoma. <i>Cancers</i> , <b>2021</b> , 13,	6.6	3
22	ESCRT-mediated membrane repair protects tumor-derived cells against T cell attack.. <i>Science</i> , <b>2022</b> , 376, 377-382	33.3	3
21	A radio-resistant perforin-expressing lymphoid population controls allogeneic T cell engraftment, activation, and onset of graft-versus-host disease in mice. <i>Biology of Blood and Marrow Transplantation</i> , <b>2015</b> , 21, 242-9	4.7	2
20	A colorimetric assay that specifically measures Granzyme B proteolytic activity: hydrolysis of Boc-Ala-Ala-Asp-S-Bzl. <i>Journal of Visualized Experiments</i> , <b>2014</b> , e52419	1.6	2
19	Immune surveillance of lymphoma in humans?. <i>Blood</i> , <b>2005</b> , 105, 4159-4160	2.2	2
18	The pore conformation of lymphocyte perforin.. <i>Science Advances</i> , <b>2022</b> , 8, eabk3147	14.3	2



17	Myeloma natural killer cells are exhausted and have impaired regulation of activation. <i>Haematologica</i> , <b>2021</b> , 106, 2522-2526	6.6	2
16	Inhibition of the Cytolytic Protein Perforin Prevents Rejection of Transplanted Bone Marrow Stem Cells in Vivo. <i>Journal of Medicinal Chemistry</i> , <b>2020</b> , 63, 2229-2239	8.3	2
15	Prevalence and disease predisposition of p.A91V perforin in an aged population of European ancestry. <i>Blood</i> , <b>2020</b> , 135, 582-584	2.2	2
14	Antigen-specific CD4 CD25 T cells induced by locally expressed ICOS-Ig: the role of Foxp3, Perforin, Granzyme B and IL-10 - an experimental study. <i>Transplant International</i> , <b>2019</b> , 32, 1203-1215	3	1
13	Bigger, Stronger, Faster: Chimeric Antigen Receptor T Cells Are Olympic Killers. <i>Blood</i> , <b>2016</b> , 128, 814-814	1.2	1
12	In vitro and in vivo antitumour activity of a chimeric anti-CD19 antibody <b>1995</b> , 41, 53		1
11	Targeting Lewis Y-Positive Multiple Myeloma and Acute Myeloid Leukemia with Gene-Modified T Cells Demonstrating Memory Phenotype. <i>Blood</i> , <b>2008</b> , 112, 3900-3900	2.2	1
10	Lymphocyte-Mediated Cytolysis Role of Granule Mediators. <i>Blood Cell Biochemistry</i> , <b>1991</b> , 143-162		1
9	Differential cleavage of viral polypeptides by allotypic variants of granzyme B skews immunity to mouse cytomegalovirus. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2020</b> , 1868, 140457	4	0
8	Natural killer cells kill extracellular <i>Pseudomonas aeruginosa</i> using contact-dependent release of granzymes B and H.. <i>PLoS Pathogens</i> , <b>2022</b> , 18, e1010325	7.6	0
7	Imaging immunity in patients with cancer using positron emission tomography.. <i>Npj Precision Oncology</i> , <b>2022</b> , 6, 24	9.8	0
6	Recovery of natural killer cell cytotoxicity in a p.A91V perforin homozygous patient following severe haemophagocytic lymphohistiocytosis. <i>British Journal of Haematology</i> , <b>2020</b> , 190, 458-461	4.5	
5	Cytotoxic Granules House Potent Proapoptotic Toxins Critical for Antiviral Responses and Immune Homeostasis	106-122	
4	Granzymes <b>1998</b> , 1026-1030		
3	Activated T Cells Express a Non-HLA-ABC Class I Gene that Is Inducible with Gamma-Interferon <b>1989</b> , 161-163		
2	Lymphocyte-Mediated Cytolysis: Dual Apoptotic Mechanisms with Overlapping Cytoplasmic and Nuclear Signalling Pathways. <i>Results and Problems in Cell Differentiation</i> , <b>1999</b> , 77-102	1.4	
1	Immunity, Granzymes and Cell Killing	1-7	