Judy Lieberman

List of Publications by Year
in descending order

139 papers	28,081 citations	11908 72 h-index	15253 130 g-index
147 all docs	147 docs citations	147 times ranked	36759 citing authors

#	Article	IF	Citations
1	TRIM21 regulates pyroptotic cell death by promoting Gasdermin D oligomerization. Cell Death and Differentiation, 2022, 29, 439-450.	5.0	33
2	SPARCLE, a p53-induced lncRNA, controls apoptosis after genotoxic stress by promoting PARP-1 cleavage. Molecular Cell, 2022, 82, 785-802.e10.	4.5	24
3	Streptococcal pyrogenic exotoxin B cleaves GSDMA and triggers pyroptosis. Nature, 2022, 602, 496-502.	13.7	153
4	Targeting stem-loop 1 of the SARS-CoV-2 5â€² UTR to suppress viral translation and Nsp1 evasion. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	56
5	FcÎ³R-mediated SARS-CoV-2 infection of monocytes activates inflammation. Nature, 2022, 606, 576-584.	13.7	314
6	Inflammasome activation in infected macrophages drives COVID-19 pathology. Nature, 2022, 606, 585-593.	13.7	276
7	Î³Î´ T cells suppress Plasmodium falciparum blood-stage infection by direct killing and phagocytosis. Nature Immunology, 2021, 22, 347-357.	7.0	52
8	Immunotherapy for breast cancer using EpCAM aptamer tumor-targeted gene knockdown. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	38
9	Channelling inflammation: gasdermins in physiology and disease. Nature Reviews Drug Discovery, 2021, 20, 384-405.	21.5	323
10	Gasdermin D pore structure reveals preferential release of mature interleukin-1. Nature, 2021, 593, 607-611.	13.7	298
11	The lysosomal Rag-Ragulator complex licenses RIPK1â€“ and caspase-8â€“mediated pyroptosis by Yersinia. Science, 2021, 372, .	6.0	80
12	STING inhibitors target the cyclic dinucleotide binding pocket. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	84
13	Inflammasome activation at the crux of severe COVID-19. Nature Reviews Immunology, 2021, 21, 694-703.	10.6	210
14	Lighting a Fire: Can We Harness Pyroptosis to Ignite Antitumor Immunity?. Cancer Immunology Research, 2021, 9, 2-7.	1.6	64
15	NLRP3 inflammasome activation triggers gasdermin Dâ€“independent inflammation. Science Immunology, 2021, 6, eabj3859.	5.6	100
16	Disulfiram use is associated with lower risk of COVID-19: A retrospective cohort study. PLoS ONE, 2021, 16, e0259061.	1.1	32
17	Decidual NK cells kill Zika virusâ€“infected trophoblasts. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	16
18	CRISPR-Cas9 genome editing using targeted lipid nanoparticles for cancer therapy. Science Advances, 2020, 6, .	4.7	270

#	Article	IF	Citations
19	Lighting a fire on the reef. Science Immunology, 2020, 5, .	5.6	8
20	Decidual NK Cells Transfer Granulysin to Selectively Kill Bacteria in Trophoblasts. Cell, 2020, 182, 1125-1139.e18.	13.5	115
21	Contributions of IFN-Î³Âand granulysin to the clearance of Plasmodium yoelii blood stage. PLoS Pathogens, 2020, 16, e1008840.	2.1	14
22	FDA-approved disulfiram inhibits pyroptosis by blocking gasdermin D pore formation. Nature Immunology, 2020, 21, 736-745.	7.0	555
23	Gasdermin E suppresses tumour growth by activating anti-tumour immunity. Nature, 2020, 579, 415-420.	13.7	900
24	Tombusvirus p19 Captures RNase III-Cleaved Double-Stranded RNAs Formed by Overlapping Sense and Antisense Transcripts in Escherichia coli. MBio, 2020, 11, .	1.8	5
25	Knocking â€™em Dead: Pore-Forming Proteins in Immune Defense. Annual Review of Immunology, 2020, 38, 455-485.	9.5	67
26	Gasdermin D activity in inflammation and host defense. Science Immunology, 2019, 4, .	5.6	119
27	Granulysin: killer lymphocyte safeguard against microbes. Current Opinion in Immunology, 2019, 60, 19-29.	2.4	43
28	Tumorâ€secreted extracellular vesicles promote the activation of cancerâ€associated fibroblasts via the transfer of microRNAâ€125b. Journal of Extracellular Vesicles, 2019, 8, 1599680.	5.5	95
29	Cryo-EM structure of the gasdermin A3 membrane pore. Nature, 2018, 557, 62-67.	13.7	301
30	Tapping the RNA world for therapeutics. Nature Structural and Molecular Biology, 2018, 25, 357-364.	3.6	147
31	Resistance of HIV-infected macrophages to CD8+ T lymphocyteâ€“mediated killing drives activation of the immune system. Nature Immunology, 2018, 19, 475-486.	7.0	105
32	Diagnostic Potential of Imaging Flow Cytometry. Trends in Biotechnology, 2018, 36, 649-652.	4.9	130
33	A modular platform for targeted RNAi therapeutics. Nature Nanotechnology, 2018, 13, 214-219.	15.6	197
34	Myeloid Cells in Intact Human Cervical Explants Capture HIV and Can Transmit It to CD4 T Cells. Frontiers in Immunology, 2018, 9, 2719.	2.2	32
35	Unveiling the RNA World. New England Journal of Medicine, 2018, 379, 1278-1280.	13.9	4
36	PNPT1 Release from Mitochondria during Apoptosis Triggers Decay of Poly(A) RNAs. Cell, 2018, 174, 187-201.e12.	13.5	64

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37	Cytotoxic CD8+ T cells recognize and kill Plasmodium vivaxâ€“infected reticulocytes. Nature Medicine, 2018, 24, 1330-1336.	15.2	65
38	miR-196b target screen reveals mechanisms maintaining leukemia stemness with therapeutic potential. Journal of Experimental Medicine, 2018, 215, 2115-2136.	4.2	20
39	How ICE lights the pyroptosis fire. Cell Death and Differentiation, 2017, 24, 197-199.	5.0	8
40	Blocking the recruitment of naive CD4+ T cells reverses immunosuppression in breast cancer. Cell Research, 2017, 27, 461-482.	5.7	163
41	Granzyme B Disrupts Central Metabolism and Protein Synthesis in Bacteria to Promote an Immune Cell Death Program. Cell, 2017, 171, 1125-1137.e11.	13.5	56
42	Basal-A Triple-Negative Breast Cancer Cells Selectively Rely on RNA Splicing for Survival. Molecular Cancer Therapeutics, 2017, 16, 2849-2861.	1.9	41
43	A Mechanistic Understanding of Pyroptosis: The Fiery Death Triggered by Invasive Infection. Advances in Immunology, 2017, 135, 81-117.	1.1	115
44	Chemoattractant-mediated leukocyte trafficking enables HIV dissemination from the genital mucosa. JCI Insight, 2017, 2, e88533.	2.3	15
45	Human regulatory T cells undergo self-inflicted damage via granzyme pathways upon activation. JCI Insight, 2017, 2, .	2.3	31
46	Inflammasome-activated gasdermin D causes pyroptosis by forming membrane pores. Nature, 2016, 535, 153-158.	13.7	2,143
47	An Epigenetic Clock Measures Accelerated Aging in Treated HIV Infection. Molecular Cell, 2016, 62, 153-155.	4.5	30
48	TREX1 Knockdown Induces an Interferon Response to HIV that Delays Viral Infection in Humanized Mice. Cell Reports, 2016, 15, 1715-1727.	2.9	30
49	Cytotoxic Lymphocytes. , 2016, , 363-373.		0
50	G3BPâ€“Caprin1â€“USP10 complexes mediate stress granule condensation and associate with 40S subunits. Journal of Cell Biology, 2016, 212, 845-60.	2.3	480
51	Cytotoxic T Cells Use Mechanical Force to Potentiate Target Cell Killing. Cell, 2016, 165, 100-110.	13.5	329
52	Killer lymphocytes use granulysin, perforin and granzymes to kill intracellular parasites. Nature Medicine, 2016, 22, 210-216.	15.2	165
53	Harnessing RNAi-based nanomedicines for therapeutic gene silencing in B-cell malignancies. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E16-22.	3.3	73
54	Capture and Identification of miRNA Targets by Biotin Pulldown and RNA-seq. Methods in Molecular Biology, 2016, 1358, 211-228.	0.4	36

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55	A High Yield and Cost-efficient Expression System of Human Granzymes in Mammalian Cells. Journal of Visualized Experiments, 2015, , e52911.	0.2	8
56	An RNA-binding Protein, Lin28, Recognizes and Remodels G-quartets in the MicroRNAs (miRNAs) and mRNAs It Regulates. Journal of Biological Chemistry, 2015, 290, 17909-17922.	1.6	32
57	Apoptosis Triggers Specific, Rapid, and Global mRNA Decay with 3â€² Uridylated Intermediates Degraded by DIS3L2. Cell Reports, 2015, 11, 1079-1089.	2.9	127
58	Dysregulation of microRNA biogenesis and gene silencing in cancer. Science Signaling, 2015, 8, re3.	1.6	193
59	Ex Vivo Cytosolic Delivery of Functional Macromolecules to Immune Cells. PLoS ONE, 2015, 10, e0118803.	1.1	47
60	The Rab2A GTPase Promotes Breast Cancer Stem Cells and Tumorigenesis via Erk Signaling Activation. Cell Reports, 2015, 11, 111-124.	2.9	80
61	Visualizing lipid-formulated siRNA release from endosomes and target gene knockdown. Nature Biotechnology, 2015, 33, 870-876.	9.4	424
62	Harnessing RNA Interference for Therapy. JAMA - Journal of the American Medical Association, 2015, 313, 1207.	3.8	9
63	Gene Knockdown by EpCAM Aptamerâ€“siRNA Chimeras Suppresses Epithelial Breast Cancers and Their Tumor-Initiating Cells. Molecular Cancer Therapeutics, 2015, 14, 2279-2291.	1.9	66
64	Manipulating the in vivo immune response by targeted gene knockdown. Current Opinion in Immunology, 2015, 35, 63-72.	2.4	7
65	Knocking down disease: a progress report on siRNA therapeutics. Nature Reviews Genetics, 2015, 16, 543-552.	7.7	669
66	miR-34 and p53: New Insights into a Complex Functional Relationship. PLoS ONE, 2015, 10, e0132767.	1.1	147
67	Prolyl Isomerase Pin1 Acts Downstream of miR200c to Promote Cancer Stemâ€“like Cell Traits in Breast Cancer. Cancer Research, 2014, 74, 3603-3616.	0.4	68
68	Developing an Effective Rectal Microbicide: Inhibiting HIV Transmission in Human Colorectal Tissue and Humanized Mice with CD4 Aptamer-siRNA Chimeras. AIDS Research and Human Retroviruses, 2014, 30, A206-A206.	0.5	0
69	Inhibiting the Host Exonuclease TREX1 Induces a Localized and Protective Host Interferon Response against Acute HIV Infection In Vivo. AIDS Research and Human Retroviruses, 2014, 30, A41-A41.	0.5	1
70	Perforin: A Key Pore-Forming Protein for Immune Control of Viruses and Cancer. Sub-Cellular Biochemistry, 2014, 80, 197-220.	1.0	47
71	Leukocyte Protease Binding to Nucleic Acids Promotes Nuclear Localization and Cleavage of Nucleic Acid Binding Proteins. Journal of Immunology, 2014, 192, 5390-5397.	0.4	42
72	G-quadruplex structures contribute to the neuroprotective effects of angiogenin-induced tRNA fragments. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18201-18206.	3.3	264

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73	Sequencing of Captive Target Transcripts Identifies the Network of Regulated Genes and Functions of Primate-Specific miR-522. Cell Reports, 2014, 8, 1225-1239.	2.9	50
74	Characterization of Dual PTEN and p53-Targeting MicroRNAs Identifies MicroRNA-638/Dnm2 as a Two-Hit Oncogenic Locus. Cell Reports, 2014, 8, 714-722.	2.9	49
75	Cytotoxic Cells Kill Intracellular Bacteria through Granulysin-Mediated Delivery of Granzymes. Cell, 2014, 157, 1309-1323.	13.5	164
76	miR-200â€“containing extracellular vesicles promote breast cancer cell metastasis. Journal of Clinical Investigation, 2014, 124, 5109-5128.	3.9	368
77	A Genome-wide siRNA Screen Identifies Proteasome Addiction as a Vulnerability of Basal-like Triple-Negative Breast Cancer Cells. Cancer Cell, 2013, 24, 182-196.	7.7	147
78	Efficient and specific gene knockdown by small interfering RNAs produced in bacteria. Nature Biotechnology, 2013, 31, 350-356.	9.4	57
79	Noncoding RNAs and Cancer. Cell, 2013, 153, 9-10.	13.5	40
80	Live or let die: posttranscriptional gene regulation in cell stress and cell death. Immunological Reviews, 2013, 253, 237-252.	2.8	31
81	Durable Knockdown and Protection From HIV Transmission in Humanized Mice Treated With Gel-formulated CD4 Aptamer-siRNA Chimeras. Molecular Therapy, 2013, 21, 1378-1389.	3.7	70
82	Production of highly potent recombinant siRNAs in Escherichia coli. Nature Protocols, 2013, 8, 2325-2336.	5.5	17
83	Binding Of Immune Serine Proteases To Nucleic Acids Enhances Their Nuclear Localization and Promotes Their Cleavage Of Nucleic Acid-Binding Protein Substrates. Blood, 2013, 122, 3471-3471.	0.6	0
84	Functional Screening Of Oncomir-196b-RISC Captured Targets Reveal Mir-Inhibition Of Tumor Suppressor Activity In MLL-AF9 Mediated Leukemogenesis. Blood, 2013, 122, 475-475.	0.6	0
85	Alterations in RNA processing during immune-mediated programmed cell death. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8688-8693.	3.3	33
86	Bone Morphogenetic Protein 4 Promotes Vascular Smooth Muscle Contractility by Activating MicroRNA-21 (miR-21), which Down-regulates Expression of Family of Dedicator of Cytokinesis (DOCK) Proteins. Journal of Biological Chemistry, 2012, 287, 3976-3986.	1.6	90
87	A microRNA pulldown approach uncovers regulation of p53 activity and growth factor signaling by miRâ€34a. FASEB Journal, 2012, 26, 203.3.	0.2	0
88	Inhibition of HIV transmission in human cervicovaginal explants and humanized mice using CD4 aptamer-siRNA chimeras. Journal of Clinical Investigation, 2011, 121, 2401-2412.	3.9	209
89	Promise and Challenge of RNA Interferenceâ€“Based Therapy for Cancer. Journal of Clinical Oncology, 2011, 29, 747-754.	0.8	119
90	Perforin pores in the endosomal membrane trigger the release of endocytosed granzyme B into the cytosol of target cells. Nature Immunology, 2011, 12, 770-777.	7.0	251

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91	Conserved Regulation of p53 Network Dosage by MicroRNAâ€“125b Occurs through Evolving miRNAâ€“Target Gene Pairs. PLoS Genetics, 2011, 7, e1002242.	1.5	143
92	Capture of MicroRNAâ€“Bound mRNAs Identifies the Tumor Suppressor miR-34a as a Regulator of Growth Factor Signaling. PLoS Genetics, 2011, 7, e1002363.	1.5	222
93	Unbiased Analyses of Signaling Through Leukemia Associated MicroRNA. Blood, 2011, 118, 2373-2373.	0.6	0
94	The cytosolic exonuclease TREX1 inhibits the innate immune response to human immunodeficiency virus type 1. Nature Immunology, 2010, 11, 1005-1013.	7.0	455
95	Granzyme A activates another way to die. Immunological Reviews, 2010, 235, 93-104.	2.8	164
96	Anatomy of a murder: how cytotoxic T cells and NK cells are activated, develop, and eliminate their targets. Immunological Reviews, 2010, 235, 5-9.	2.8	40
97	Isolation of Cytotoxic T Cell and NK Granules and Purification of Their Effector Proteins. Current Protocols in Cell Biology, 2010, 47, Unit3.37.	2.3	32
98	Desperately seeking microRNA targets. Nature Structural and Molecular Biology, 2010, 17, 1169-1174.	3.6	456
99	Perforin activates clathrin- and dynamin-dependent endocytosis, which is required for plasma membrane repair and delivery of granzyme B for granzyme-mediated apoptosis. Blood, 2010, 115, 1582-1593.	0.6	113
100	miR-200 Enhances Mouse Breast Cancer Cell Colonization to Form Distant Metastases. PLoS ONE, 2009, 4, e7181.	1.1	282
101	The SET Complex Acts as a Barrier to Autointegration of HIV-1. PLoS Pathogens, 2009, 5, e1000327.	2.1	82
102	miR-24â€“mediated downregulation of H2AX suppresses DNA repair in terminally differentiated blood cells. Nature Structural and Molecular Biology, 2009, 16, 492-498.	3.6	265
103	miR-24 Inhibits Cell Proliferation by Targeting E2F2, MYC, and Other Cell-Cycle Genes via Binding to â€œSeedlessâ€•3â€²UTR MicroRNA Recognition Elements. Molecular Cell, 2009, 35, 610-625.	4.5	544
104	miR-34a contributes to megakaryocytic differentiation of K562 cells independently of p53. Blood, 2009, 114, 2181-2192.	0.6	142
105	Granzyme A Cleaves a Mitochondrial Complex I Protein to Initiate Caspase-Independent Cell Death. Cell, 2008, 133, 681-692.	13.5	180
106	Death by a Thousand Cuts: Granzyme Pathways of Programmed Cell Death. Annual Review of Immunology, 2008, 26, 389-420.	9.5	536
107	Identification of Host Proteins Required for HIV Infection Through a Functional Genomic Screen. Science, 2008, 319, 921-926.	6.0	1,310
108	Selective gene silencing in activated leukocytes by targeting siRNAs to the integrin lymphocyte function-associated antigen-1. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4095-4100.	3.3	262

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109	let-7 Regulates Self Renewal and Tumorigenicity of Breast Cancer Cells. Cell, 2007, 131, 1109-1123.	13.5	1,762
110	Delivering the kiss of death: progress on understanding how perforin works. Current Opinion in Immunology, 2007, 19, 301-308.	2.4	215
111	Mutations in the gene encoding the 3â€²-5â€² DNA exonuclease TREX1 are associated with systemic lupus erythematosus. Nature Genetics, 2007, 39, 1065-1067.	9.4	590
112	Interfering with disease: a progress report on siRNA-based therapeutics. Nature Reviews Drug Discovery, 2007, 6, 443-453.	21.5	1,080
113	The Exonuclease TREX1 Is in the SET Complex and Acts in Concert with NM23-H1 to Degrade DNA during Granzyme A-Mediated Cell Death. Molecular Cell, 2006, 23, 133-142.	4.5	225
114	Antibody mediated in vivo delivery of small interfering RNAs via cell-surface receptors. Nature Biotechnology, 2005, 23, 709-717.	9.4	967
115	Granzyme B Binds to Target Cells Mostly by Charge and Must Be Added at the Same Time as Perforin to Trigger Apoptosis. Journal of Immunology, 2005, 174, 5456-5461.	0.4	62
116	Granzyme A Induces Caspase-Independent Mitochondrial Damage, a Required First Step for Apoptosis. Immunity, 2005, 22, 355-370.	6.6	319
117	Perforin Triggers a Plasma Membrane-Repair Response that Facilitates CTL Induction of Apoptosis. Immunity, 2005, 23, 249-262.	6.6	260
118	Tracking the killers. Aids, 2004, 18, 1489-1493.	1.0	26
119	Nuclear war: the granzyme A-bomb. Current Opinion in Immunology, 2003, 15, 553-559.	2.4	170
120	Cleaving the oxidative repair protein Ape1 enhances cell death mediated by granzyme A. Nature Immunology, 2003, 4, 145-153.	7.0	219
121	RNA interference targeting Fas protects mice from fulminant hepatitis. Nature Medicine, 2003, 9, 347-351.	15.2	1,091
122	The ABCs of granule-mediated cytotoxicity: new weapons in the arsenal. Nature Reviews Immunology, 2003, 3, 361-370.	10.6	630
123	Tumor Suppressor NM23-H1 Is a Granzyme A-Activated DNase during CTL-Mediated Apoptosis, and the Nucleosome Assembly Protein SET Is Its Inhibitor. Cell, 2003, 112, 659-672.	13.5	487
124	Interfering with disease: opportunities and roadblocks to harnessing RNA interference. Trends in Molecular Medicine, 2003, 9, 397-403.	3.5	97
125	Engineered Listeria monocytogenes as an AIDS vaccine. Vaccine, 2002, 20, 2007-2010.	1.7	30
126	Avoiding the kiss of death: how HIV and other chronic viruses survive. Current Opinion in Immunology, 2002, 14, 478-486.	2.4	40

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127	siRNA-directed inhibition of HIV-1 infection. Nature Medicine, 2002, 8, 681-686.	15.2	750
128	Serum enhances the ex vivo generation of HIV-specific cytotoxic T cells. , 2000, 50, 521-528.		7
129	CD3Î¶ and CD28 down-modulation on CD8 T cells during viral infection. Blood, 2000, 96, 1021-1029.	0.6	59
130	Human Immunodeficiency Virus-Specific Circulating CD8 T Lymphocytes Have Down-Modulated CD3Î¶ and CD28, Key Signaling Molecules for T-Cell Activation. Journal of Virology, 2000, 74, 7320-7330.	1.5	120
131	CD3Î¶ and CD28 down-modulation on CD8 T cells during viral infection. Blood, 2000, 96, 1021-1029.	0.6	2
132	Impaired function of circulating HIV-specific CD8+ T cells in chronic human immunodeficiency virus infection. Blood, 2000, 96, 3094-3101.	0.6	89
133	Viral-Specific Cytotoxic T Lymphocytes Lyse Human Immunodeficiency Virusâ€“Infected Primary T Lymphocytes by the Granule Exocytosis Pathway. Blood, 1999, 94, 3084-3093.	0.6	67
134	Viral-Specific Cytotoxic T Lymphocytes Lyse Human Immunodeficiency Virusâ€“Infected Primary T Lymphocytes by the Granule Exocytosis Pathway. Blood, 1999, 94, 3084-3093.	0.6	15
135	Circulating CD8 T Lymphocytes in Human Immunodeficiency Virus-Infected Individuals Have Impaired Function and Downmodulate CD3Î¶, the Signaling Chain of the T-Cell Receptor Complex. Blood, 1998, 91, 585-594.	0.6	160
136	Circulating CD8 T Lymphocytes in Human Immunodeficiency Virus-Infected Individuals Have Impaired Function and Downmodulate CD3Î¶, the Signaling Chain of the T-Cell Receptor Complex. Blood, 1998, 91, 585-594.	0.6	12
137	Safety of Autologous, Ex Vivo-Expanded Human Immunodeficiency Virus (HIV)-Specific Cytotoxic T-Lymphocyte Infusion in HIV-Infected Patients. Blood, 1997, 90, 2196-2206.	0.6	86
138	Serum enhances the ex vivo generation of HIV-specific cytotoxic T cells. , 1996, 50, 521.		7
139	FDA-approved disulfiram inhibits pyroptosis by blocking gasdermin D pore formation. , 0, .		1