

# Kenneth L Rock

## List of Publications by Year in descending order

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48  
papers

14,466  
citations

94433

37  
h-index

214800

47  
g-index

48  
all docs

48  
docs citations

48  
times ranked

16244  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silica crystals and aluminum salts activate the NALP3 inflammasome through phagosomal destabilization. <i>Nature Immunology</i> , 2008, 9, 847-856.	14.5	2,568
2	Inhibitors of the proteasome block the degradation of most cell proteins and the generation of peptides presented on MHC class I molecules. <i>Cell</i> , 1994, 78, 761-771.	28.9	2,417
3	DEGRADATION OF CELL PROTEINS AND THE GENERATION OF MHC CLASS I-PRESENTED PEPTIDES. <i>Annual Review of Immunology</i> , 1999, 17, 739-779.	21.8	863
4	The Inflammatory Response to Cell Death. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2008, 3, 99-126.	22.4	752
5	The Sterile Inflammatory Response. <i>Annual Review of Immunology</i> , 2010, 28, 321-342.	21.8	703
6	Î³-Interferon and expression of MHC genes regulate peptide hydrolysis by proteasomes. <i>Nature</i> , 1993, 365, 264-267.	27.8	589
7	Present Yourself! By MHC Class I and MHC Class II Molecules. <i>Trends in Immunology</i> , 2016, 37, 724-737.	6.8	566
8	Cytotoxic T-cell immunity to virus-infected non-haematopoietic cells requires presentation of exogenous antigen. <i>Nature</i> , 1999, 398, 77-80.	27.8	535
9	The ER aminopeptidase ERAP1 enhances or limits antigen presentation by trimming epitopes to 8â€“9 residues. <i>Nature Immunology</i> , 2002, 3, 1177-1184.	14.5	448
10	Cancer Immune Evasion Through Loss of MHC Class I Antigen Presentation. <i>Frontiers in Immunology</i> , 2021, 12, 636568.	4.8	394
11	Crossâ€“presentation: underlying mechanisms and role in immune surveillance. <i>Immunological Reviews</i> , 2005, 207, 166-183.	6.0	383
12	Uric acid as a danger signal in gout and its comorbidities. <i>Nature Reviews Rheumatology</i> , 2013, 9, 13-23.	8.0	361
13	A role for the ubiquitin-dependent proteolytic pathway in MHC class I-restricted antigen presentation. <i>Nature</i> , 1993, 363, 552-554.	27.8	333
14	Important Role of Cathepsin S in Generating Peptides for TAP-Independent MHC Class I Crosspresentation In Vivo. <i>Immunity</i> , 2004, 21, 155-165.	14.3	332
15	Presentation of Exogenous Antigen with Class I Major Histocompatibility Complex Molecules. <i>Science</i> , 1990, 249, 918-921.	12.6	313
16	Protein degradation and the generation of MHC class I-presented peptides. <i>Advances in Immunology</i> , 2002, 80, 1-70.	2.2	300
17	The Biology and Underlying Mechanisms of Cross-Presentation of Exogenous Antigens on MHC-I Molecules. <i>Annual Review of Immunology</i> , 2017, 35, 149-176.	21.8	228
18	Mice completely lacking immunoproteasomes show major changes in antigen presentation. <i>Nature Immunology</i> , 2012, 13, 129-135.	14.5	222

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19	Proteolysis and class I major histocompatibility complex antigen presentation. <i>Immunological Reviews</i> , 1999, 172, 49-66.	6.0	208
20	Multiple Cathepsins Promote Pro-IL-1 $\beta$ Synthesis and NLRP3-Mediated IL-1 $\beta$ Activation. <i>Journal of Immunology</i> , 2015, 195, 1685-1697.	0.8	208
21	Innate and adaptive immune responses to cell death. <i>Immunological Reviews</i> , 2011, 243, 191-205.	6.0	191
22	Cellular protein is the source of cross-priming antigen <i>in vivo</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 3035-3040.	7.1	167
23	Dissociation of $\beta$ 2-microglobulin leads to the accumulation of a substantial pool of inactive class I MHC heavy chains on the cell surface. <i>Cell</i> , 1991, 65, 611-620.	28.9	136
24	Natural endogenous adjuvants. <i>Seminars in Immunopathology</i> , 2005, 26, 231-246.	4.0	132
25	Re-examining class-I presentation and the DRiP hypothesis. <i>Trends in Immunology</i> , 2014, 35, 144-152.	6.8	99
26	Proteases in MHC Class I Presentation and Cross-Presentation. <i>Journal of Immunology</i> , 2010, 184, 9-15.	0.8	95
27	The LY-6 Locus: A Multigene Family Encoding Phosphatidylinositol-Anchored Membrane Proteins Concerned with T-Cell Activation. <i>Immunological Reviews</i> , 1989, 111, 195-224.	6.0	92
28	Tripeptidyl Peptidase II Is the Major Peptidase Needed to Trim Long Antigenic Precursors, but Is Not Required for Most MHC Class I Antigen Presentation. <i>Journal of Immunology</i> , 2006, 177, 1434-1443.	0.8	84
29	Cross-presentation of exogenous antigens on MHC I molecules. <i>Current Opinion in Immunology</i> , 2020, 64, 1-8.	5.5	75
30	Gamma-interferon causes a selective induction of the lysosomal proteases, cathepsins B and L, in macrophages. <i>FEBS Letters</i> , 1995, 363, 85-89.	2.8	74
31	Frequent Loss of IRF2 in Cancers Leads to Immune Evasion through Decreased MHC Class I Antigen Presentation and Increased PD-L1 Expression. <i>Journal of Immunology</i> , 2019, 203, 1999-2010.	0.8	63
32	Evaluation of the Contribution of Multiple DAMPs and DAMP Receptors in Cell Death-Induced Sterile Inflammatory Responses. <i>PLoS ONE</i> , 2014, 9, e104741.	2.5	56
33	Internalization of glycosylated phosphatidylinositol (GPI)-anchored lymphocyte proteins II. GPI-anchored and transmembrane molecules internalize through distinct pathways. <i>European Journal of Immunology</i> , 1992, 22, 15-21.	2.9	55
34	Frontline Science: Multiple cathepsins promote inflammasome-independent, particle-induced cell death during NLRP3-dependent IL-1 $\beta$ activation. <i>Journal of Leukocyte Biology</i> , 2017, 102, 7-17.	3.3	53
35	MHC-Restricted T Cell Activation: Analysis with T Cell Hybridomas. <i>Immunological Reviews</i> , 1983, 76, 29-58.	6.0	51
36	Immune Sensing of Cell Death through Recognition of Histone Sequences by C-Type Lectin-Receptor-2d Causes Inflammation and Tissue Injury. <i>Immunity</i> , 2020, 52, 123-135.e6.	14.3	49

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37	Specialized proteasome subunits have an essential role in the thymic selection of CD8+ T cells. <i>Nature Immunology</i> , 2016, 17, 938-945.	14.5	46
38	Analysis of the Role of Bleomycin Hydrolase in Antigen Presentation and the Generation of CD8 T Cell Responses. <i>Journal of Immunology</i> , 2007, 178, 6923-6930.	0.8	36
39	Exiting the Outside World for Cross-Presentation. <i>Immunity</i> , 2006, 25, 523-525.	14.3	35
40	The xanthine oxidase inhibitor Febuxostat reduces tissue uric acid content and inhibits injury-induced inflammation in the liver and lung. <i>European Journal of Pharmacology</i> , 2015, 746, 174-179.	3.5	35
41	The Combined Deficiency of Immunoproteasome Subunits Affects Both the Magnitude and Quality of Pathogen- and Genetic Vaccination-Induced CD8+ T Cell Responses to the Human Protozoan Parasite <i>Trypanosoma cruzi</i> . <i>PLoS Pathogens</i> , 2016, 12, e1005593.	4.7	33
42	The GTPase Rab39a promotes phagosome maturation into MHC II antigen-presenting compartments. <i>EMBO Journal</i> , 2020, 39, e102020.	7.8	28
43	Antigen presentation by hapten-specific B lymphocytes III. Analysis of the immunoglobulin-dependent pathway of antigen presentation to interleukin 1-dependent T lymphocytes. <i>European Journal of Immunology</i> , 1986, 16, 1407-1412.	2.9	18
44	Anti-Peptide Antibody Blocks Peptide Binding to MHC Class I Molecules in the Endoplasmic Reticulum. <i>Journal of Immunology</i> , 2001, 166, 3952-3956.	0.8	16
45	Class II antigen processing defects in two H2 <sup>d</sup> mouse cell lines are caused by point mutations in the H2-DM gene. <i>European Journal of Immunology</i> , 1999, 29, 905-911.	2.9	11
46	Pathobiology of Inflammation to Cell Death. <i>Biology of Blood and Marrow Transplantation</i> , 2009, 15, 137-138.	2.0	7
47	Processing and presentation of ovalbumin in mice genetically selected for antibody response. <i>European Journal of Immunology</i> , 1992, 22, 2165-2168.	2.9	5
48	How a tailor achieves the perfect fit. <i>Journal of Biological Chemistry</i> , 2020, 295, 7211-7212.	3.4	1