Kenneth L Rock

List of Publications by Year
in descending order

48 papers	14,466 citations	108046 37 h-index	242451 47 g-index
48 all docs	48 docs citations	48 times ranked	17847 citing authors

#	Article	IF	Citations
1	Cancer Immune Evasion Through Loss of MHC Class I Antigen Presentation. Frontiers in Immunology, 2021, 12, 636568.	2.2	394
2	Immune Sensing of Cell Death through Recognition of Histone Sequences by C-Type Lectin-Receptor-2d Causes Inflammation and Tissue Injury. Immunity, 2020, 52, 123-135.e6.	6.6	49
3	The <scp>GTP</scp> ase Rab39a promotes phagosome maturation into <scp>MHC</scp> â€‐ antigenâ€presenting compartments. EMBO Journal, 2020, 39, e102020.	3.5	28
4	How a tailor achieves the perfect fit. Journal of Biological Chemistry, 2020, 295, 7211-7212.	1.6	1
5	Cross-presentation of exogenous antigens on MHC I molecules. Current Opinion in Immunology, 2020, 64, 1-8.	2.4	75
6	Frequent Loss of IRF2 in Cancers Leads to Immune Evasion through Decreased MHC Class I Antigen Presentation and Increased PD-L1 Expression. Journal of Immunology, 2019, 203, 1999-2010.	0.4	63
7	Frontline Science: Multiple cathepsins promote inflammasome-independent, particle-induced cell death during NLRP3-dependent IL-1Î² activation. Journal of Leukocyte Biology, 2017, 102, 7-17.	1.5	53
8	The Biology and Underlying Mechanisms of Cross-Presentation of Exogenous Antigens on MHC-I Molecules. Annual Review of Immunology, 2017, 35, 149-176.	9.5	228
9	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 Trypanosoma cruzi. PLoS Pathogens, 2016, 12, e1005593.	2.1	33
10	Present Yourself! By MHC Class I and MHC Class II Molecules. Trends in Immunology, 2016, 37, 724-737.	2.9	566
11	Specialized proteasome subunits have an essential role in the thymic selection of CD8+ T cells. Nature Immunology, 2016, 17, 938-945.	7.0	46
12	Multiple Cathepsins Promote Proâ€“IL-1Î² Synthesis and NLRP3-Mediated IL-1Î² Activation. Journal of Immunology, 2015, 195, 1685-1697.	0.4	208
13	The xanthine oxidase inhibitor Febuxostat reduces tissue uric acid content and inhibits injury-induced inflammation in the liver and lung. European Journal of Pharmacology, 2015, 746, 174-179.	1.7	35
14	Evaluation of the Contribution of Multiple DAMPs and DAMP Receptors in Cell Death-Induced Sterile Inflammatory Responses. PLoS ONE, 2014, 9, e104741.	1.1	56
15	Re-examining class-I presentation and the DRiP hypothesis. Trends in Immunology, 2014, 35, 144-152.	2.9	99
16	Uric acid as a danger signal in gout and its comorbidities. Nature Reviews Rheumatology, 2013, 9, 13-23.	3.5	361
17	Mice completely lacking immunoproteasomes show major changes in antigen presentation. Nature Immunology, 2012, 13, 129-135.	7.0	222
18	Innate and adaptive immune responses to cell death. Immunological Reviews, 2011, 243, 191-205.	2.8	191

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19	Proteases in MHC Class I Presentation and Cross-Presentation. Journal of Immunology, 2010, 184, 9-15.	0.4	95
20	The Sterile Inflammatory Response. Annual Review of Immunology, 2010, 28, 321-342.	9.5	703
21	Pathobiology of Inflammation to Cell Death. Biology of Blood and Marrow Transplantation, 2009, 15, 137-138.	2.0	7
22	Silica crystals and aluminum salts activate the NALP3 inflammasome through phagosomal destabilization. Nature Immunology, 2008, 9, 847-856.	7.0	2,568
23	The Inflammatory Response to Cell Death. Annual Review of Pathology: Mechanisms of Disease, 2008, 3, 99-126.	9.6	752
24	Analysis of the Role of Bleomycin Hydrolase in Antigen Presentation and the Generation of CD8 T Cell Responses. Journal of Immunology, 2007, 178, 6923-6930.	0.4	36
25	Exiting the Outside World for Cross-Presentation. Immunity, 2006, 25, 523-525.	6.6	35
26	Tripeptidyl Peptidase II Is the Major Peptidase Needed to Trim Long Antigenic Precursors, but Is Not Required for Most MHC Class I Antigen Presentation. Journal of Immunology, 2006, 177, 1434-1443.	0.4	84
27	Cross-presentation: underlying mechanisms and role in immune surveillance. Immunological Reviews, 2005, 207, 166-183.	2.8	383
28	Natural endogenous adjuvants. Seminars in Immunopathology, 2005, 26, 231-246.	4.0	132
29	Cellular protein is the source of cross-priming antigen in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 3035-3040.	3.3	167
30	Important Role of Cathepsin S in Generating Peptides for TAP-Independent MHC Class I Crosspresentation In Vivo. Immunity, 2004, 21, 155-165.	6.6	332
31	Protein degradation and the generation of MHC class I-presented peptides. Advances in Immunology, 2002, 80, 1-70.	1.1	300
32	The ER aminopeptidase ERAP1 enhances or limits antigen presentation by trimming epitopes to 8â€“9 residues. Nature Immunology, 2002, 3, 1177-1184.	7.0	448
33	Anti-Peptide Antibody Blocks Peptide Binding to MHC Class I Molecules in the Endoplasmic Reticulum. Journal of Immunology, 2001, 166, 3952-3956.	0.4	16
34	Cytotoxic T-cell immunity to virus-infected non-haematopoietic cells requires presentation of exogenous antigen. Nature, 1999, 398, 77-80.	13.7	535
35	Proteolysis and class I major histocompatibility complex antigen presentation. Immunological Reviews, 1999, 172, 49-66.	2.8	208
36	DEGRADATION OF CELL PROTEINS AND THE GENERATION OF MHC CLASS I-PRESENTED PEPTIDES. Annual Review of Immunology, 1999, 17, 739-779.	9.5	863

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37	Class II antigen processing defects in twoH2â€‰dmouse cell lines are caused by point mutations in theH2-DMagene. European Journal of Immunology, 1999, 29, 905-911.	1.6	11
38	Gamma-interferon causes a selective induction of the lysosomal proteases, cathepsins B and L, in macrophages. FEBS Letters, 1995, 363, 85-89.	1.3	74
39	Inhibitors of the proteasome block the degradation of most cell proteins and the generation of peptides presented on MHC class I molecules. Cell, 1994, 78, 761-771.	13.5	2,417
40	A role for the ubiquitin-dependent proteolytic pathway in MHC class l-restricted antigen presentation. Nature, 1993, 363, 552-554.	13.7	333
41	Î³-Interferon and expression of MHC genes regulate peptide hydrolysis by proteasomes. Nature, 1993, 365, 264-267.	13.7	589
42	Internalization of glycosyl-phosphatidylinositol (GPI)-anchored lymphocyte proteins II. GPI-anchored and transmembrane molecules internalize through distinct pathways. European Journal of Immunology, 1992, 22, 15-21.	1.6	55
43	Processing and presentation of ovalbumin in mice genetically selected for antibody response. European Journal of Immunology, 1992, 22, 2165-2168.	1.6	5
44	Dissociation of Î²2-microglobulin leads to the accumulation of a substantial pool of inactive class I MHC heavy chains on the cell surface. Cell, 1991, 65, 611-620.	13.5	136
45	Presentation of exogenous antigen with class I major histocompatibility complex molecules. Science, 1990, 249, 918-921.	6.0	313
46	The LY-6 Locus: A Multigene Family Encoding Phosphatidylinositol-Anchored Membrane Proteins Concerned with T-Cell Activation. Immunological Reviews, 1989, 111, 195-224.	2.8	92
47	Antigen presentation by hapten-specific B lymphocytes III. Analysis of the immunoglobulin-dependent pathway of antigen presentation to interleukin 1-dependent T lymphocytes. European Journal of Immunology, 1986, 16, 1407-1412.	1.6	18
48	MHC-Restricted T Cell Activation: Analysis with T Cell Hybridomas. Immunological Reviews, 1983, 76, 29-58.	2.8	51