Charles M Knudson

List of Publications by Year
in descending order

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44 papers	5,364 citations	257101 24 h-index	276539 41 g-index
48 all docs	48 docs citations	48 times ranked	7469 citing authors

#	Article	IF	Citations
1	SARS-CoV-2 antibody changes in patients receiving COVID-19 convalescent plasma from normal and vaccinated donors. Transfusion and Apheresis Science, 2022, 61, 103326.	0.5	10
2	Hemolytic disease of the fetus and newborn in the sensitizing pregnancy where antiâ€D was incorrectly identified as RhIG. Journal of Clinical Laboratory Analysis, 2022, 36, e24323.	0.9	3
3	COVID-19 treatments and pathogenesis including anosmia in K18-hACE2 mice. Nature, 2021, 589, 603-607.	13.7	394
4	<scp>COVID</scp>â€19 convalescent plasma; time for â€œgoal directed therapyâ€?. Transfusion, 2021, 61, 1654-1656.	0.8	2
5	Exponential increase in neutralizing and spike specific antibodies following vaccination of <scp>COVID</scp>â€19 convalescent plasma donors. Transfusion, 2021, 61, 2099-2106.	0.8	27
6	ABOâ€incompatible platelets are associated with increased transfusion reaction rates. Transfusion, 2020, 60, 285-293.	0.8	25
7	COVIDâ€19 convalescent plasma: phase 2. Transfusion, 2020, 60, 1332-1333.	0.8	23
8	Retrospective cohort studies of repeat donors reveal donorâ€dependent variability in the recovery of transfused platelets. Transfusion, 2020, 60, 1837-1845.	0.8	1
9	False positive testing for sickle hemoglobin in a blood donor with mild erythrocytosis and hemoglobin Geldrop St. Anna. Transfusion and Apheresis Science, 2020, 59, 102724.	0.5	0
10	Predicting changes in hemoglobin S after simple transfusion using complete blood counts. Transfusion, 2018, 58, 138-144.	0.8	2
11	Factors influencing platelet clumping during peripheral blood hematopoietic stem cell collection. Transfusion, 2017, 57, 1142-1151.	0.8	6
12	Obesity-associated NLRC4 inflammasome activation drives breast cancer progression. Nature Communications, 2016, 7, 13007.	5.8	186
13	Pathology Milestones. Academic Pathology, 2015, 2, 2374289515614003.	0.7	8
14	The heritability of hemolysis in stored human red blood cells. Transfusion, 2015, 55, 1178-1185.	0.8	77
15	Visual and functional demonstration of growing Bax-induced pores in mitochondrial outer membranes. Molecular Biology of the Cell, 2015, 26, 339-349.	0.9	48
16	The heritability of metabolite concentrations in stored human red blood cells. Transfusion, 2014, 54, 2055-2063.	0.8	59
17	Low-Dose Radiation-Induced Enhancement of Thymic Lymphomagenesis in Lck-Bax Mice is Dependent on LET and Gender. Radiation Research, 2013, 180, 156-165.	0.7	5
18	The TCF-1 and LEF-1 Transcription Factors Have Cooperative and Opposing Roles in T Cell Development and Malignancy. Immunity, 2012, 37, 813-826.	6.6	173

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19	Susceptibility of Human Head and Neck Cancer Cells to Combined Inhibition of Glutathione and Thioredoxin Metabolism. PLoS ONE, 2012, 7, e48175.	1.1	65
20	Caspase Inhibition Blocks Cell Death and Enhances Mitophagy but Fails to Promote T-Cell Lymphoma. PLoS ONE, 2011, 6, e19786.	1.1	11
21	Mechanisms of Ascorbate-Induced Cytotoxicity in Pancreatic Cancer. Clinical Cancer Research, 2010, 16, 509-520.	3.2	272
22	Manganese superoxide dismutase gene dosage affects chromosomal instability and tumor onset in a mouse model of T cell lymphoma. Free Radical Biology and Medicine, 2008, 44, 1677-1686.	1.3	49
23	p27 Deficiency Cooperates with Bcl-2 but Not Bax to Promote T-Cell Lymphoma. PLoS ONE, 2008, 3, e1911.	1.1	8
24	Caspase Inhibition Blocks Cell Death and Results in Cell Cycle Arrest in Cytokine-deprived Hematopoietic Cells. Journal of Biological Chemistry, 2007, 282, 2144-2155.	1.6	9
25	Chromosomal Instability and Supernumerary Centrosomes Represent Precursor Defects in a Mouse Model of T-Cell Lymphoma. Cancer Research, 2007, 67, 8081-8088.	0.4	15
26	Complete Dissociation of Motor Neuron Death from Motor Dysfunction by Bax Deletion in a Mouse Model of ALS. Journal of Neuroscience, 2006, 26, 8774-8786.	1.7	331
27	The Role of Low Molecular Weight Thiols in T Lymphocyte Proliferation and IL-2 Secretion. Journal of Immunology, 2005, 175, 7965-7972.	0.4	78
28	Taurine Monochloramine Activates a Cell Death Pathway Involving Bax and Caspase-9. Journal of Biological Chemistry, 2005, 280, 3233-3241.	1.6	21
29	Bcl-2 inhibition of T-cell proliferation is related to prolonged T-cell survival. Oncogene, 2004, 23, 3770-3780.	2.6	54
30	The HSV-1 Us3 protein kinase is sufficient to block apoptosis induced by overexpression of a variety of Bcl-2 family members. Virology, 2004, 319, 212-224.	1.1	105
31	Bcl-xL/Bcl-2 coordinately regulates apoptosis, cell cycle arrest and cell cycle entry. EMBO Journal, 2003, 22, 5459-5470.	3.5	168
32	The pro-apoptotic gene Bax is required for the death of ectopic primordial germ cells during their migration in the mouse embryo. Development (Cambridge), 2003, 130, 6589-6597.	1.2	118
33	Bax-Dependent Spermatogonia Apoptosis Is Required for Testicular Development and Spermatogenesis1. Biology of Reproduction, 2002, 66, 950-958.	1.2	216
34	Bcl-2 oncoprotein protects the human prostatic carcinoma cell line PC3 from TRAIL-mediated apoptosis. Oncogene, 2001, 20, 2836-2843.	2.6	71
35	Prolongation of ovarian lifespan into advanced chronological age by Bax-deficiency. Nature Genetics, 1999, 21, 200-203.	9.4	339
36	Evidence for involvement of Bax and p53, but not caspases, in radiation-induced cell death of cultured postnatal hippocampal neurons. , 1998, 54, 721-733.		106

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37	Bax Deletion Further Orders the Cell Death Pathway in Cerebellar Granule Cells and Suggests a Caspase-independent Pathway to Cell Death. Journal of Cell Biology, 1997, 139, 205-217.	2.3	365
38	Bcl-2 and Bax function independently to regulate cell death. Nature Genetics, 1997, 16, 358-363.	9.4	373
39	Apoptosis-associated signaling pathways are required for chemotherapy-mediated female germ cell destruction. Nature Medicine, 1997, 3, 1228-1232.	15.2	339
40	Bax suppresses tumorigenesis and stimulates apoptosis in vivo. Nature, 1997, 385, 637-640.	13.7	631
41	Role of the Ryanodine Receptor of Skeletal Muscle in Excitation-Contraction Coupling. Annals of the New York Academy of Sciences, 1989, 560, 155-162.	1.8	15
42	Subcellular fractionation of dystrophin to the triads of skeletal muscle. Nature, 1987, 330, 754-758.	13.7	318
43	A lethal mutation in mice eliminates the slow calcium current in skeletal muscle cells. Nature, 1986, 320, 168-170.	13.7	236
44	Patient <scp>ABO</scp> blood type is a major predictor of a positive <scp>DAT</scp> following a transfusion reaction. Transfusion, 0, , .	0.8	0