

Charles M Knudson

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Bax suppresses tumorigenesis and stimulates apoptosis in vivo. <i>Nature</i> , 1997, 385, 637-640. | 13.7 | 631 |
| 2 | COVID-19 treatments and pathogenesis including anosmia in K18-hACE2 mice. <i>Nature</i> , 2021, 589, 603-607. | 13.7 | 394 |
| 3 | Bcl-2 and Bax function independently to regulate cell death. <i>Nature Genetics</i> , 1997, 16, 358-363. | 9.4 | 373 |
| 4 | Bax Deletion Further Orders the Cell Death Pathway in Cerebellar Granule Cells and Suggests a Caspase-independent Pathway to Cell Death. <i>Journal of Cell Biology</i> , 1997, 139, 205-217. | 2.3 | 365 |
| 5 | Apoptosis-associated signaling pathways are required for chemotherapy-mediated female germ cell destruction. <i>Nature Medicine</i> , 1997, 3, 1228-1232. | 15.2 | 339 |
| 6 | Prolongation of ovarian lifespan into advanced chronological age by Bax-deficiency. <i>Nature Genetics</i> , 1999, 21, 200-203. | 9.4 | 339 |
| 7 | Complete Dissociation of Motor Neuron Death from Motor Dysfunction by Bax Deletion in a Mouse Model of ALS. <i>Journal of Neuroscience</i> , 2006, 26, 8774-8786. | 1.7 | 331 |
| 8 | Subcellular fractionation of dystrophin to the triads of skeletal muscle. <i>Nature</i> , 1987, 330, 754-758. | 13.7 | 318 |
| 9 | Mechanisms of Ascorbate-Induced Cytotoxicity in Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2010, 16, 509-520. | 3.2 | 272 |
| 10 | A lethal mutation in mice eliminates the slow calcium current in skeletal muscle cells. <i>Nature</i> , 1986, 320, 168-170. | 13.7 | 236 |
| 11 | Bax-Dependent Spermatogonia Apoptosis Is Required for Testicular Development and Spermatogenesis1. <i>Biology of Reproduction</i> , 2002, 66, 950-958. | 1.2 | 216 |
| 12 | Obesity-associated NLR4 inflammasome activation drives breast cancer progression. <i>Nature Communications</i> , 2016, 7, 13007. | 5.8 | 186 |
| 13 | The TCF-1 and LEF-1 Transcription Factors Have Cooperative and Opposing Roles in T Cell Development and Malignancy. <i>Immunity</i> , 2012, 37, 813-826. | 6.6 | 173 |
| 14 | Bcl-xL/Bcl-2 coordinately regulates apoptosis, cell cycle arrest and cell cycle entry. <i>EMBO Journal</i> , 2003, 22, 5459-5470. | 3.5 | 168 |
| 15 | The pro-apoptotic gene Bax is required for the death of ectopic primordial germ cells during their migration in the mouse embryo. <i>Development (Cambridge)</i> , 2003, 130, 6589-6597. | 1.2 | 118 |
| 16 | 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 |
| 17 | The HSV-1 Us3 protein kinase is sufficient to block apoptosis induced by overexpression of a variety of Bcl-2 family members. <i>Virology</i> , 2004, 319, 212-224. | 1.1 | 105 |
| 18 | The Role of Low Molecular Weight Thiols in T Lymphocyte Proliferation and IL-2 Secretion. <i>Journal of Immunology</i> , 2005, 175, 7965-7972. | 0.4 | 78 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | The heritability of hemolysis in stored human red blood cells. <i>Transfusion</i> , 2015, 55, 1178-1185. | 0.8 | 77 |
| 20 | Bcl-2 oncoprotein protects the human prostatic carcinoma cell line PC3 from TRAIL-mediated apoptosis. <i>Oncogene</i> , 2001, 20, 2836-2843. | 2.6 | 71 |
| 21 | Susceptibility of Human Head and Neck Cancer Cells to Combined Inhibition of Glutathione and Thioredoxin Metabolism. <i>PLoS ONE</i> , 2012, 7, e48175. | 1.1 | 65 |
| 22 | The heritability of metabolite concentrations in stored human red blood cells. <i>Transfusion</i> , 2014, 54, 2055-2063. | 0.8 | 59 |
| 23 | Bcl-2 inhibition of T-cell proliferation is related to prolonged T-cell survival. <i>Oncogene</i> , 2004, 23, 3770-3780. | 2.6 | 54 |
| 24 | Manganese superoxide dismutase gene dosage affects chromosomal instability and tumor onset in a mouse model of T cell lymphoma. <i>Free Radical Biology and Medicine</i> , 2008, 44, 1677-1686. | 1.3 | 49 |
| 25 | Visual and functional demonstration of growing Bax-induced pores in mitochondrial outer membranes. <i>Molecular Biology of the Cell</i> , 2015, 26, 339-349. | 0.9 | 48 |
| 26 | Exponential increase in neutralizing and spike specific antibodies following vaccination of COVID-19 convalescent plasma donors. <i>Transfusion</i> , 2021, 61, 2099-2106. | 0.8 | 27 |
| 27 | ABO-incompatible platelets are associated with increased transfusion reaction rates. <i>Transfusion</i> , 2020, 60, 285-293. | 0.8 | 25 |
| 28 | COVID-19 convalescent plasma: phase 2. <i>Transfusion</i> , 2020, 60, 1332-1333. | 0.8 | 23 |
| 29 | Taurine Monochloramine Activates a Cell Death Pathway Involving Bax and Caspase-9. <i>Journal of Biological Chemistry</i> , 2005, 280, 3233-3241. | 1.6 | 21 |
| 30 | Role of the Ryanodine Receptor of Skeletal Muscle in Excitation-Contraction Coupling. <i>Annals of the New York Academy of Sciences</i> , 1989, 560, 155-162. | 1.8 | 15 |
| 31 | Chromosomal Instability and Supernumerary Centrosomes Represent Precursor Defects in a Mouse Model of T-Cell Lymphoma. <i>Cancer Research</i> , 2007, 67, 8081-8088. | 0.4 | 15 |
| 32 | Caspase Inhibition Blocks Cell Death and Enhances Mitophagy but Fails to Promote T-Cell Lymphoma. <i>PLoS ONE</i> , 2011, 6, e19786. | 1.1 | 11 |
| 33 | SARS-CoV-2 antibody changes in patients receiving COVID-19 convalescent plasma from normal and vaccinated donors. <i>Transfusion and Apheresis Science</i> , 2022, 61, 103326. | 0.5 | 10 |
| 34 | Caspase Inhibition Blocks Cell Death and Results in Cell Cycle Arrest in Cytokine-deprived Hematopoietic Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 2144-2155. | 1.6 | 9 |
| 35 | Pathology Milestones. <i>Academic Pathology</i> , 2015, 2, 2374289515614003. | 0.7 | 8 |
| 36 | p27 Deficiency Cooperates with Bcl-2 but Not Bax to Promote T-Cell Lymphoma. <i>PLoS ONE</i> , 2008, 3, e1911. | 1.1 | 8 |

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|----|--|-----|-----------|
| 37 | Factors influencing platelet clumping during peripheral blood hematopoietic stem cell collection. <i>Transfusion</i> , 2017, 57, 1142-1151. | 0.8 | 6 |
| 38 | Low-Dose Radiation-Induced Enhancement of Thymic Lymphomagenesis in Lck-Bax Mice is Dependent on LET and Gender. <i>Radiation Research</i> , 2013, 180, 156-165. | 0.7 | 5 |
| 39 | Hemolytic disease of the fetus and newborn in the sensitizing pregnancy where antiâ€D was incorrectly identified as RhIG. <i>Journal of Clinical Laboratory Analysis</i> , 2022, 36, e24323. | 0.9 | 3 |
| 40 | Predicting changes in hemoglobin S after simple transfusion using complete blood counts. <i>Transfusion</i> , 2018, 58, 138-144. | 0.8 | 2 |
| 41 | <sc>COVID</sc>â€19 convalescent plasma; time for â€goal directed therapyâ€. <i>Transfusion</i> , 2021, 61, 1654-1656. | 0.8 | 2 |
| 42 | Retrospective cohort studies of repeat donors reveal donorâ€dependent variability in the recovery of transfused platelets. <i>Transfusion</i> , 2020, 60, 1837-1845. | 0.8 | 1 |
| 43 | False positive testing for sickle hemoglobin in a blood donor with mild erythrocytosis and hemoglobin Geldrop St. Anna. <i>Transfusion and Apheresis Science</i> , 2020, 59, 102724. | 0.5 | 0 |
| 44 | Patient <sc>ABO</sc> blood type is a major predictor of a positive <sc>DAT</sc> following a transfusion reaction. <i>Transfusion</i> , 0, , . | 0.8 | 0 |