

Colin Adrain

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

4,744
citations

236925

25
h-index

276875

41
g-index

49
all docs

49
docs citations

49
times ranked

6014
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Executioner Caspase-3, -6, and -7 Perform Distinct, Non-redundant Roles during the Demolition Phase of Apoptosis. <i>Journal of Biological Chemistry</i> , 2001, 276, 7320-7326. | 3.4 | 892 |
| 2 | The mitochondrial apoptosome: a killer unleashed by the cytochrome seas. <i>Trends in Biochemical Sciences</i> , 2001, 26, 390-397. | 7.5 | 474 |
| 3 | Serial killers: ordering caspase activation events in apoptosis. <i>Cell Death and Differentiation</i> , 1999, 6, 1067-1074. | 11.2 | 411 |
| 4 | Apoptosis-associated release of Smac/DIABLO from mitochondria requires active caspases and is blocked by Bcl-2. <i>EMBO Journal</i> , 2001, 20, 6627-6636. | 7.8 | 386 |
| 5 | Tumor Necrosis Factor Signaling Requires iRhom2 to Promote Trafficking and Activation of TACE. <i>Science</i> , 2012, 335, 225-228. | 12.6 | 344 |
| 6 | Analysis of the composition, assembly kinetics and activity of native Apaf-1 apoptosomes. <i>EMBO Journal</i> , 2004, 23, 2134-2145. | 7.8 | 241 |
| 7 | Role for CED-9 and Egl-1 as Regulators of Mitochondrial Fission and Fusion Dynamics. <i>Molecular Cell</i> , 2006, 21, 761-773. | 9.7 | 181 |
| 8 | Rhomboid Family Pseudoproteases Use the ER Quality Control Machinery to Regulate Intercellular Signaling. <i>Cell</i> , 2011, 145, 79-91. | 28.9 | 143 |
| 9 | New lives for old: evolution of pseudoenzyme function illustrated by iRhoms. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 489-498. | 37.0 | 137 |
| 10 | Molecular Ordering of the Caspase Activation Cascade Initiated by the Cytotoxic T Lymphocyte/Natural Killer (CTL/NK) Protease Granzyme B. <i>Journal of Biological Chemistry</i> , 2005, 280, 4663-4673. | 3.4 | 125 |
| 11 | Mammalian iRhoms have distinct physiological functions including an essential role in TACE regulation. <i>EMBO Reports</i> , 2013, 14, 884-890. | 4.5 | 120 |
| 12 | Human and murine granzyme B exhibit divergent substrate preferences. <i>Journal of Cell Biology</i> , 2007, 176, 435-444. | 5.2 | 117 |
| 13 | Mammalian EGF receptor activation by the rhomboid protease RHBDL2. <i>EMBO Reports</i> , 2011, 12, 421-427. | 4.5 | 103 |
| 14 | CARDINAL, a Novel Caspase Recruitment Domain Protein, Is an Inhibitor of Multiple NF- κ B Activation Pathways. <i>Journal of Biological Chemistry</i> , 2001, 276, 44069-44077. | 3.4 | 100 |
| 15 | Regulation of Apoptotic Protease Activating Factor-1 Oligomerization and Apoptosis by the WD-40 Repeat Region. <i>Journal of Biological Chemistry</i> , 1999, 274, 20855-20860. | 3.4 | 98 |
| 16 | The Apoptosome Pathway to Caspase Activation in Primary Human Neutrophils Exhibits Dramatically Reduced Requirements for Cytochrome c. <i>Journal of Experimental Medicine</i> , 2003, 197, 625-632. | 8.5 | 96 |
| 17 | Pro-apoptotic Proteins Released from the Mitochondria Regulate the Protein Composition and Caspase-processing Activity of the Native Apaf-1/Caspase-9 Apoptosome Complex. <i>Journal of Biological Chemistry</i> , 2004, 279, 19665-19682. | 3.4 | 94 |
| 18 | Phosphorylation of iRhom2 Controls Stimulated Proteolytic Shedding by the Metalloprotease ADAM17/TACE. <i>Cell Reports</i> , 2017, 21, 745-757. | 6.4 | 86 |

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|----|---|------|-----------|
| 19 | Portrait of a Killer: The Mitochondrial Apoptosome Emerges From the Shadows. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2003, 3, 19-26. | 3.4 | 76 |
| 20 | The Cytotoxic Lymphocyte Protease, Granzyme B, Targets the Cytoskeleton and Perturbs Microtubule Polymerization Dynamics. <i>Journal of Biological Chemistry</i> , 2006, 281, 8118-8125. | 3.4 | 75 |
| 21 | Caspase-dependent Inactivation of Proteasome Function during Programmed Cell Death in <i>Drosophila</i> and Man. <i>Journal of Biological Chemistry</i> , 2004, 279, 36923-36930. | 3.4 | 59 |
| 22 | iTAP, a novel iRhom interactor, controls TNF secretion by policing the stability of iRhom/TACE. <i>ELife</i> , 2018, 7, . | 6.0 | 47 |
| 23 | Mitochondria shed their outer membrane in response to infection-induced stress. <i>Science</i> , 2022, 375, eabi4343. | 12.6 | 42 |
| 24 | Rhomboid intramembrane protease RHBDL4 triggers ER-export and non-canonical secretion of membrane-anchored TGF β . <i>Scientific Reports</i> , 2016, 6, 27342. | 3.3 | 39 |
| 25 | Quantitative proteomics screen identifies a substrate repertoire of rhomboid protease RHBDL2 in human cells and implicates it in epithelial homeostasis. <i>Scientific Reports</i> , 2017, 7, 7283. | 3.3 | 39 |
| 26 | Inactive rhomboid proteins: New mechanisms with implications in health and disease. <i>Seminars in Cell and Developmental Biology</i> , 2016, 60, 29-37. | 5.0 | 29 |
| 27 | Regulation of Receptor Tyrosine Kinase Ligand Processing. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a008995-a008995. | 5.5 | 25 |
| 28 | Deletion of iRhom2 protects against diet-induced obesity by increasing thermogenesis. <i>Molecular Metabolism</i> , 2020, 31, 67-84. | 6.5 | 25 |
| 29 | Apoptosomes: protease activation platforms to die from. <i>Trends in Biochemical Sciences</i> , 2006, 31, 243-247. | 7.5 | 21 |
| 30 | Proteomic and functional analysis identifies galectin-1 as a novel regulatory component of the cytotoxic granule machinery. <i>Cell Death and Disease</i> , 2017, 8, e3176-e3176. | 6.3 | 19 |
| 31 | CELL BIOLOGY: Double Knockout Blow for Caspases. <i>Science</i> , 2006, 311, 785-786. | 12.6 | 16 |
| 32 | Bicaudal Is a Conserved Substrate for <i>Drosophila</i> and Mammalian Caspases and Is Essential for Cell Survival. <i>PLoS ONE</i> , 2009, 4, e5055. | 2.5 | 13 |
| 33 | Proteases, proteasomes and apoptosis: breaking Ub is hard to do. <i>Cell Death and Differentiation</i> , 2005, 12, 1213-1217. | 11.2 | 12 |
| 34 | The complex life of rhomboid pseudoproteases. <i>FEBS Journal</i> , 2020, 287, 4261-4283. | 4.7 | 11 |
| 35 | Search for <i>Drosophila</i> caspases bears fruit: STRICA enters the fray. <i>Cell Death and Differentiation</i> , 2001, 8, 319-323. | 11.2 | 9 |
| 36 | Apoptosis: Calling Time on Apoptosome Activity. <i>Science Signaling</i> , 2009, 2, pe62. | 3.6 | 9 |

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|----|---|------|-----------|
| 37 | Defying death: showing Bcl-2 the way home. <i>Nature Cell Biology</i> , 2003, 5, 9-11. | 10.3 | 8 |
| 38 | Pseudoenzymes: dead enzymes with a lively role in biology. <i>FEBS Journal</i> , 2020, 287, 4102-4105. | 4.7 | 7 |
| 39 | iRhom2 and TNF: Partners or enemies?. <i>Science Signaling</i> , 2019, 12, . | 3.6 | 6 |
| 40 | EMC is required for biogenesis of Xport ¹ , an essential chaperone of Rhodopsin ¹ and the TRP ¹ channel. <i>EMBO Reports</i> , 2022, 23, e53210. | 4.5 | 4 |
| 41 | Systemic and cellular metabolism: the cause of and remedy for disease?. <i>FEBS Journal</i> , 2021, 288, 3624-3627. | 4.7 | 2 |
| 42 | Meeting Report "proteostasis in Ericeira. <i>Journal of Cell Science</i> , 2018, 131, . | 2.0 | 0 |
| 43 | Human and murine granzyme B exhibit divergent substrate preferences. <i>Journal of Experimental Medicine</i> , 2007, 204, i4-i4. | 8.5 | 0 |
| 44 | Phosphorylation of iRhom2 Is Essential for Stimulated Proteolytic Shedding by the Metalloprotease ADAM17/TACE. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |