

Erinna F Lee

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

10,743
citations

100601

38
h-index

111975

67
g-index

72
all docs

72
docs citations

72
times ranked

21410
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222. | 4.3 | 4,701 |
| 2 | Apoptosis Initiated When BH3 Ligands Engage Multiple Bcl-2 Homologs, Not Bax or Bak. <i>Science</i> , 2007, 315, 856-859. | 6.0 | 1,021 |
| 3 | Bax Crystal Structures Reveal How BH3 Domains Activate Bax and Nucleate Its Oligomerization to Induce Apoptosis. <i>Cell</i> , 2013, 152, 519-531. | 13.5 | 491 |
| 4 | Structural insights into the degradation of Mcl-1 induced by BH3 domains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6217-6222. | 3.3 | 397 |
| 5 | Anti-apoptotic Mcl-1 is essential for the development and sustained growth of acute myeloid leukemia. <i>Genes and Development</i> , 2012, 26, 120-125. | 2.7 | 344 |
| 6 | Crystal structure of ABT-737 complexed with Bcl-xL: implications for selectivity of antagonists of the Bcl-2 family. <i>Cell Death and Differentiation</i> , 2007, 14, 1711-1713. | 5.0 | 235 |
| 7 | TRAF2 Must Bind to Cellular Inhibitors of Apoptosis for Tumor Necrosis Factor (TNF) to Efficiently Activate NF- κ B and to Prevent TNF-induced Apoptosis. <i>Journal of Biological Chemistry</i> , 2009, 284, 35906-35915. | 1.6 | 202 |
| 8 | Structure of the BH3 Domains from the p53-Inducible BH3-Only Proteins Noxa and Puma in Complex with Mcl-1. <i>Journal of Molecular Biology</i> , 2008, 380, 958-971. | 2.0 | 178 |
| 9 | Bcl-2, Bcl-xL, and Bcl-w are not equivalent targets of ABT-737 and navitoclax (ABT-263) in lymphoid and leukemic cells. <i>Blood</i> , 2012, 119, 5807-5816. | 0.6 | 168 |
| 10 | The role of BH3-only protein Bim extends beyond inhibiting Bcl-2-like prosurvival proteins. <i>Journal of Cell Biology</i> , 2009, 186, 355-362. | 2.3 | 164 |
| 11 | Apoptosis is triggered when prosurvival Bcl-2 proteins cannot restrain Bax. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18081-18087. | 3.3 | 162 |
| 12 | A novel BH3 ligand that selectively targets Mcl-1 reveals that apoptosis can proceed without Mcl-1 degradation. <i>Journal of Cell Biology</i> , 2008, 180, 341-355. | 2.3 | 157 |
| 13 | Targeting of MCL-1 kills MYC-driven mouse and human lymphomas even when they bear mutations in $p53$. <i>Genes and Development</i> , 2014, 28, 58-70. | 2.7 | 156 |
| 14 | Evaluation of Diverse β -Backbone Patterns for Functional α -Helix Mimicry: Analogues of the Bim BH3 Domain. <i>Journal of the American Chemical Society</i> , 2012, 134, 315-323. | 6.6 | 144 |
| 15 | High-Resolution Structural Characterization of a Helical β -Peptide Foldamer Bound to the Anti-Apoptotic Protein Bcl-xL. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4318-4322. | 7.2 | 143 |
| 16 | A Structural Viral Mimic of Prosurvival Bcl-2: Pivotal Role for Sequestering Proapoptotic Bax and Bak. <i>Molecular Cell</i> , 2007, 25, 933-942. | 4.5 | 125 |
| 17 | BCL-XL and MCL-1 are the key BCL-2 family proteins in melanoma cell survival. <i>Cell Death and Disease</i> , 2019, 10, 342. | 2.7 | 125 |
| 18 | Binding Hot Spot for Invasion Inhibitory Molecules on Plasmodium falciparum Apical Membrane Antigen 1. <i>Infection and Immunity</i> , 2005, 73, 6981-6989. | 1.0 | 102 |

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|----|--|-----|-----------|
| 19 | Î±/Î²-Peptide Foldamers Targeting Intracellular Proteinâ€‘Protein Interactions with Activity in Living Cells. <i>Journal of the American Chemical Society</i> , 2015, 137, 11365-11375. | 6.6 | 101 |
| 20 | Mutation to Bax beyond the BH3 Domain Disrupts Interactions with Pro-survival Proteins and Promotes Apoptosis. <i>Journal of Biological Chemistry</i> , 2011, 286, 7123-7131. | 1.6 | 96 |
| 21 | The BH3 mimetic compound, ABT-737, synergizes with a range of cytotoxic chemotherapy agents in chronic lymphocytic leukemia. <i>Leukemia</i> , 2009, 23, 2034-2041. | 3.3 | 91 |
| 22 | Conformational Changes in Bcl-2 Pro-survival Proteins Determine Their Capacity to Bind Ligands. <i>Journal of Biological Chemistry</i> , 2009, 284, 30508-30517. | 1.6 | 79 |
| 23 | Bcl-2 chimeras indicate that most BH3-only proteins can directly activate Bak and Bax, and show no preference for Bak versus Bax. <i>Cell Death and Disease</i> , 2015, 6, e1735-e1735. | 2.7 | 76 |
| 24 | Structureâ€‘Guided Rational Design of Î±/Î²-Peptide Foldamers with High Affinity for BCL-2 Family Prosurvival Proteins. <i>ChemBioChem</i> , 2013, 14, 1564-1572. | 1.3 | 65 |
| 25 | Computationally designed high specificity inhibitors delineate the roles of BCL2 family proteins in cancer. <i>ELife</i> , 2016, 5, . | 2.8 | 65 |
| 26 | Discovery of Potent and Selective Benzothiazole Hydrazone Inhibitors of Bcl-X _L . <i>Journal of Medicinal Chemistry</i> , 2013, 56, 5514-5540. | 2.9 | 60 |
| 27 | MCL-1 inhibition provides a new way to suppress breast cancer metastasis and increase sensitivity to dasatinib. <i>Breast Cancer Research</i> , 2016, 18, 125. | 2.2 | 60 |
| 28 | Conversion of Bim-BH3 from Activator to Inhibitor of Bak through Structure-Based Design. <i>Molecular Cell</i> , 2017, 68, 659-672.e9. | 4.5 | 57 |
| 29 | BECLIN1: Protein Structure, Function and Regulation. <i>Cells</i> , 2021, 10, 1522. | 1.8 | 57 |
| 30 | Structural Basis of Bcl-X _L Recognition by a BH3-Mimetic Î±/Î²-Peptide Generated by Sequence-Based Design. <i>ChemBioChem</i> , 2011, 12, 2025-2032. | 1.3 | 56 |
| 31 | Structural Basis for Tetrodotoxin-resistant Sodium Channel Binding by Î¼-Conotoxin SmIIIA. <i>Journal of Biological Chemistry</i> , 2003, 278, 46805-46813. | 1.6 | 54 |
| 32 | Discovery and molecular characterization of a Bcl-2-regulated cell death pathway in schistosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6999-7003. | 3.3 | 53 |
| 33 | Crosstalk between apoptosis and autophagy signaling pathways. <i>International Review of Cell and Molecular Biology</i> , 2020, 352, 115-158. | 1.6 | 51 |
| 34 | ATF3 Repression of BCL-XL Determines Apoptotic Sensitivity to HDAC Inhibitors across Tumor Types. <i>Clinical Cancer Research</i> , 2017, 23, 5573-5584. | 3.2 | 46 |
| 35 | Mcl-1 and Bcl-xL sequestration of Bak confers differential resistance to BH3-only proteins. <i>Cell Death and Differentiation</i> , 2018, 25, 721-734. | 5.0 | 44 |
| 36 | The Structural Biology of Bcl-xL. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2234. | 1.8 | 44 |

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|----|---|-----|-----------|
| 37 | Prosurvival Bcl-2 family members reveal a distinct apoptotic identity between conventional and plasmacytoid dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4044-4049. | 3.3 | 43 |
| 38 | Residue-Based Preorganization of BH3-Derived $\hat{I}\pm/\hat{I}^2$ -Peptides: Modulating Affinity, Selectivity and Proteolytic Susceptibility in $\hat{I}\pm$ -Helix Mimics. <i>ACS Chemical Biology</i> , 2015, 10, 1667-1675. | 1.6 | 40 |
| 39 | Physiological restraint of Bak by Bcl-x_L is essential for cell survival. <i>Genes and Development</i> , 2016, 30, 1240-1250. | 2.7 | 40 |
| 40 | Structural insights into BCL2 pro-survival protein interactions with the key autophagy regulator BECN1 following phosphorylation by STK4/MST1. <i>Autophagy</i> , 2019, 15, 785-795. | 4.3 | 38 |
| 41 | The Functional Differences between Pro-survival and Pro-apoptotic B Cell Lymphoma 2 (Bcl-2) Proteins Depend on Structural Differences in Their Bcl-2 Homology 3 (BH3) Domains. <i>Journal of Biological Chemistry</i> , 2014, 289, 36001-36017. | 1.6 | 33 |
| 42 | Apoptosis in schistosomes: toward novel targets for the treatment of schistosomiasis. <i>Trends in Parasitology</i> , 2014, 30, 75-84. | 1.5 | 33 |
| 43 | Affinity Maturation of Leukemia Inhibitory Factor and Conversion to Potent Antagonists of Signaling. <i>Journal of Biological Chemistry</i> , 2004, 279, 2125-2134. | 1.6 | 30 |
| 44 | A small molecule interacts with VDAC2 to block mouse BAK-driven apoptosis. <i>Nature Chemical Biology</i> , 2019, 15, 1057-1066. | 3.9 | 30 |
| 45 | Novel Bcl-2 Homology-3 Domain-like Sequences Identified from Screening Randomized Peptide Libraries for Inhibitors of the Pro-survival Bcl-2 Proteins. <i>Journal of Biological Chemistry</i> , 2009, 284, 31315-31326. | 1.6 | 29 |
| 46 | Crystal Structure of a BCL-W Domain-Swapped Dimer: Implications for the Function of BCL-2 Family Proteins. <i>Structure</i> , 2011, 19, 1467-1476. | 1.6 | 25 |
| 47 | Hepatocyte growth factor renders BRAF mutant human melanoma cell lines resistant to PLX4032 by downregulating the pro-apoptotic BH3-only proteins PUMA and BIM. <i>Cell Death and Differentiation</i> , 2016, 23, 2054-2062. | 5.0 | 24 |
| 48 | A novel BH3-mimetic, AZD0466, targeting BCL-XL and BCL-2 is effective in pre-clinical models of malignant pleural mesothelioma. <i>Cell Death Discovery</i> , 2021, 7, 122. | 2.0 | 23 |
| 49 | Functional genomics approaches in parasitic helminths. <i>Parasite Immunology</i> , 2012, 34, 163-182. | 0.7 | 21 |
| 50 | The BECN1 $\hat{I}N$ -terminal domain is intrinsically disordered. <i>Autophagy</i> , 2016, 12, 460-471. | 4.3 | 21 |
| 51 | Co-Operativity between MYC and BCL-2 Pro-Survival Proteins in Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2841. | 1.8 | 17 |
| 52 | BAX-BAK1-independent LC3B lipidation by BH3 mimetics is unrelated to BH3 mimetic activity and has only minimal effects on autophagic flux. <i>Autophagy</i> , 2016, 12, 1083-1093. | 4.3 | 16 |
| 53 | BCL-XL is an actionable target for treatment of malignant pleural mesothelioma. <i>Cell Death Discovery</i> , 2020, 6, 114. | 2.0 | 13 |
| 54 | Peptide inhibitors of the malaria surface protein, apical membrane antigen 1: Identification of key binding residues. <i>Biopolymers</i> , 2011, 95, 354-364. | 1.2 | 12 |

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|----|---|-----|-----------|
| 55 | Direct visualization of Bcl-2 family protein interactions using live cell fluorescent protein redistribution assays. <i>Cell Death and Disease</i> , 2012, 3, e288-e288. | 2.7 | 11 |
| 56 | Targeting the BCL-2-regulated apoptotic pathway for the treatment of solid cancers. <i>Biochemical Society Transactions</i> , 2021, 49, 2397-2410. | 1.6 | 11 |
| 57 | EGL-1 BH3 mutants reveal the importance of protein levels and target affinity for cell-killing potency. <i>Cell Death and Differentiation</i> , 2008, 15, 1609-1618. | 5.0 | 10 |
| 58 | Repurposing apoptosis-inducing cancer drugs to treat schistosomiasis. <i>Future Medicinal Chemistry</i> , 2015, 7, 707-711. | 1.1 | 10 |
| 59 | The role of BCL-2 family proteins and therapeutic potential of BH3-mimetics in malignant pleural mesothelioma. <i>Expert Review of Anticancer Therapy</i> , 2021, 21, 413-424. | 1.1 | 9 |
| 60 | Discovery, development and application of drugs targeting BCL-2 pro-survival proteins in cancer. <i>Biochemical Society Transactions</i> , 2021, 49, 2381-2395. | 1.6 | 9 |
| 61 | Influenza A virus infection-induced macroautophagy facilitates MHC class II-restricted endogenous presentation of an immunodominant viral epitope. <i>FEBS Journal</i> , 2021, 288, 3164-3185. | 2.2 | 6 |
| 62 | Characterisation of the conformational preference and dynamics of the intrinsically disordered N-terminal region of Beclin 1 by NMR spectroscopy. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 1128-1137. | 1.1 | 5 |
| 63 | Diversity in the intrinsic apoptosis pathway of nematodes. <i>Communications Biology</i> , 2020, 3, 478. | 2.0 | 4 |
| 64 | STRUCTURAL BIOLOGY OF THE INTRINSIC CELL DEATH PATHWAY: WHAT DO WE KNOW AND WHAT IS MISSING?. <i>Computational and Structural Biotechnology Journal</i> , 2012, 1, e201204007. | 1.9 | 3 |
| 65 | Optimization of Benzothiazole and Thiazole Hydrazones as Inhibitors of Schistosome BCL-2. <i>ACS Infectious Diseases</i> , 2021, 7, 1143-1163. | 1.8 | 3 |
| 66 | Characterization of a novel human BFL-1-specific monoclonal antibody. <i>Cell Death and Differentiation</i> , 2020, 27, 826-828. | 5.0 | 2 |
| 67 | A transgenic mouse model to inducibly target prosurvival Bcl2 proteins with selective BH3 peptides in vivo. <i>Cell Death and Disease</i> , 2015, 6, e1679-e1679. | 2.7 | 1 |
| 68 | The role of BH3-only protein Bim extends beyond inhibiting Bcl-2-like prosurvival proteins. <i>Journal of Experimental Medicine</i> , 2009, 206, i19-i19. | 4.2 | 0 |