Evripidis Gavathiotis

List of Publications by Year
in descending order

67 papers	14,789 citations	66315 42 h-index	102432 66 g-index
75 all docs	75 docs citations	75 times ranked	26825 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	5.0	4,036
3	BAX activation is initiated at a novel interaction site. Nature, 2008, 455, 1076-1081.	13.7	617
4	Hydrocarbon double-stapling remedies the proteolytic instability of a lengthy peptide therapeutic. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14093-14098.	3.3	296
5	New perspectives for targeting RAF kinase in human cancer. Nature Reviews Cancer, 2017, 17, 676-691.	12.8	285
6	BH3-Triggered Structural Reorganization Drives the Activation of Proapoptotic BAX. Molecular Cell, 2010, 40, 481-492.	4.5	272
7	Bax regulates primary necrosis through mitochondrial dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6566-6571.	3.3	250
8	An interconnected hierarchical model of cell death regulation by the BCL-2 family. Nature Cell Biology, 2015, 17, 1270-1281.	4.6	212
9	Correcting mitochondrial fusion by manipulating mitofusin conformations. Nature, 2016, 540, 74-79.	13.7	190
10	MFN2 agonists reverse mitochondrial defects in preclinical models of Charcot-Marie-Tooth disease type 2A. Science, 2018, 360, 336-341.	6.0	187
11	Targeting Mitochondrial Structure Sensitizes Acute Myeloid Leukemia to Venetoclax Treatment. Cancer Discovery, 2019, 9, 890-909.	7.7	186
12	Drug Recognition and Stabilisation of the Parallel-stranded DNA Quadruplex d(TTAGGGT)4 Containing the Human Telomeric Repeat. Journal of Molecular Biology, 2003, 334, 25-36.	2.0	179
13	Chemical modulation of chaperone-mediated autophagy by retinoic acid derivatives. Nature Chemical Biology, 2013, 9, 374-382.	3.9	172
14	Direct and selective small-molecule activation of proapoptotic BAX. Nature Chemical Biology, 2012, 8, 639-645.	3.9	160
15	The Structure of FADD and Its Mode of Interaction with Procaspase-8. Molecular Cell, 2006, 22, 599-610.	4.5	154
16	A stapled BIM peptide overcomes apoptotic resistance in hematologic cancers. Journal of Clinical Investigation, 2012, 122, 2018-2031.	3.9	153
17	Chaperone-mediated autophagy prevents collapse of the neuronal metastable proteome. Cell, 2021, 184, 2696-2714.e25.	13.5	151
18	Cooperativity in Drugâ"DNA Recognition:â€‰ A Molecular Dynamics Study. Journal of the American Chemical Society, 2001, 123, 12658-12663.	6.6	150

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19	BAX unleashed: the biochemical transformation of an inactive cytosolic monomer into a toxic mitochondrial pore. Trends in Biochemical Sciences, 2011, 36, 642-652.	3.7	148
20	Chaperone-mediated autophagy sustains haematopoietic stem-cell function. Nature, 2021, 591, 117-123.	13.7	145
21	An Integrated Model of RAF Inhibitor Action Predicts Inhibitor Activity against Oncogenic BRAF Signaling. Cancer Cell, 2016, 30, 485-498.	7.7	130
22	A Competitive Stapled Peptide Screen Identifies a Selective Small Molecule that Overcomes MCL-1-Dependent Leukemia Cell Survival. Chemistry and Biology, 2012, 19, 1175-1186.	6.2	128
23	Direct Activation of BAX by BTSA1 Overcomes Apoptosis Resistance in Acute Myeloid Leukemia. Cancer Cell, 2017, 32, 490-505.e10.	7.7	128
24	Inhibition of Pro-Apoptotic BAX by a Noncanonical Interaction Mechanism. Molecular Cell, 2015, 57, 873-886.	4.5	116
25	Recognition and Stabilization of Quadruplex DNA by a Potent New Telomerase Inhibitor: NMR Studies of the 2:1 Complex of a Pentacyclic Methylacridinium Cation with d(TTAGGGT)4. Angewandte Chemie - International Edition, 2001, 40, 4749-4751.	7.2	90
26	Pharmacological inhibition of the transcription factor PU.1 in leukemia. Journal of Clinical Investigation, 2017, 127, 4297-4313.	3.9	89
27	Distinct BimBH3 (BimSAHB) Stapled Peptides for Structural and Cellular Studies. ACS Chemical Biology, 2014, 9, 831-837.	1.6	86
28	Progress in targeting the BCL-2 family of proteins. Current Opinion in Chemical Biology, 2017, 39, 133-142.	2.8	82
29	Physiological and pharmacological modulation of BAX. Trends in Pharmacological Sciences, 2022, 43, 206-220.	4.0	82
30	Structure of the parallel-stranded DNA quadruplex d(TTAGGGT)4 containing the human telomeric repeat: evidence for A-tetrad formation from NMR and molecular dynamics simulations. Organic and Biomolecular Chemistry, 2003, 1, 1650-1656.	1.5	79
31	A small-molecule allosteric inhibitor of BAX protects against doxorubicin-induced cardiomyopathy. Nature Cancer, 2020, 1, 315-328.	5.7	78
32	Current Insights of BRAF Inhibitors in Cancer. Journal of Medicinal Chemistry, 2018, 61, 5775-5793.	2.9	76
33	Identification of Neutrophil Exocytosis Inhibitors (Nexinhibs), Small Molecule Inhibitors of Neutrophil Exocytosis and Inflammation. Journal of Biological Chemistry, 2016, 291, 25965-25982.	1.6	73
34	Structure of the eukaryotic translation initiation factor eIF4E in complex with 4EGI-1 reveals an allosteric mechanism for dissociating eIF4G. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3187-95.	3.3	72
35	An Autoinhibited Dimeric Form of BAX Regulates the BAX Activation Pathway. Molecular Cell, 2016, 63, 485-497.	4.5	71
36	Co-targeting of BAX and BCL-XL proteins broadly overcomes resistance to apoptosis in cancer. Nature Communications, 2022, 13, 1199.	5.8	66

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37	Small-molecule allosteric inhibitors of BAX. Nature Chemical Biology, 2019, 15, 322-330.	3.9	65
38	Cystinosin, the small GTPase Rab11, and the Rab7 effector RILP regulate intracellular trafficking of the chaperone-mediated autophagy receptor LAMP2A. Journal of Biological Chemistry, 2017, 292, 10328-10346.	1.6	62
39	Multimodal Interaction with BCL-2 Family Proteins Underlies the Proapoptotic Activity of PUMA BH3. Chemistry and Biology, 2013, 20, 888-902.	6.2	61
40	Sequence-dependent variation in DNA minor groove width dictates orientational preference of Hoechst 33258 in A-tract recognition: solution NMR structure of the 2:1 complex with d(CTTTTGCAAAAG)2. Nucleic Acids Research, 2000, 28, 728-735.	6.5	55
41	Inhibitors of BRAF dimers using an allosteric site. Nature Communications, 2020, 11, 4370.	5.8	48
42	Photoreactive Stapled BH3 Peptides to Dissect the BCL-2 Family Interactome. Chemistry and Biology, 2010, 17, 1325-1333.	6.2	45
43	Modulating mitofusins to control mitochondrial function and signaling. Nature Communications, 2022, 13, .	5.8	31
44	The RUNX1/IL-34/CSF-1R axis is an autocrinally regulated modulator of resistance to BRAF-V600E inhibition in melanoma. JCI Insight, 2018, 3, .	2.3	29
45	Eltrombopag directly inhibits BAX and prevents cell death. Nature Communications, 2021, 12, 1134.	5.8	28
46	ASXL1 mutations are associated with distinct epigenomic alterations that lead to sensitivity to venetoclax and azacytidine. Blood Cancer Journal, 2021, 11, 157.	2.8	27
47	Synthetic Antibodies Inhibit Bcl-2-associated X Protein (BAX) through Blockade of the N-terminal Activation Site. Journal of Biological Chemistry, 2016, 291, 89-102.	1.6	25
48	Optimal targeting of BCL-family proteins in head and neck squamous cell carcinoma requires inhibition of both BCL-xL and MCL-1. Oncotarget, 2019, 10, 494-510.	0.8	25
49	Design, synthesis and evaluation of marinopyrrole derivatives as selective inhibitors of Mcl-1 binding to pro-apoptotic Bim and dual Mcl-1/Bcl-xL inhibitors. European Journal of Medicinal Chemistry, 2015, 90, 315-331.	2.6	23
50	A Mechanism for Death Receptor Discrimination by Death Adaptors. Journal of Biological Chemistry, 2005, 280, 31974-31980.	1.6	21
51	Chaperone-mediated autophagy: a gatekeeper of neuronal proteostasis. Autophagy, 2021, 17, 2040-2042.	4.3	21
52	Palbociclib Renders Human Papilloma Virusâ€“Negative Head and Neck Squamous Cell Carcinoma Vulnerable to the Senolytic Agent Navitoclax. Molecular Cancer Research, 2021, 19, 862-873.	1.5	17
53	Apoptosis signaling molecules as treatment targets in head and neck squamous cell carcinoma. Laryngoscope, 2020, 130, 2643-2649.	1.1	15
54	Tracking BAX once its trigger is pulled. Cell Cycle, 2011, 10, 868-870.	1.3	10

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55	Self-regulation of BAX-induced cell death. Oncotarget, 2016, 7, 66326-66327.	0.8	10
56	Chaperone-Mediated Autophagy Upregulation Rescues Megalin Expression and Localization in Cystinotic Proximal Tubule Cells. Frontiers in Endocrinology, 2019, 10, 21.	1.5	10
57	Marinopyrrole Derivatives with Sulfide Spacers as Selective Disruptors of Mcl-1 Binding to Pro-Apoptotic Protein Bim. Marine Drugs, 2014, 12, 4311-4325.	2.2	9
58	Unraveling cell death mysteries. Nature Chemical Biology, 2016, 12, 470-471.	3.9	5
59	ICBS 2017 in Shanghaiâ€"Illuminating Life with Chemical Innovation. ACS Chemical Biology, 2018, 13, 1111-1122.	1.6	3
60	Liposomal Permeabilization Assay to Study the Functional Interactions of the BCL-2 Family. Methods in Molecular Biology, 2019, 1877, 111-119.	0.4	3
61	In Response to Regarding: Apoptosis Signaling Molecules as Treatment Targets in Head and Neck Squamous Carcinoma. Laryngoscope, 2020, 130, E458-E459.	1.1	3
62	BCL-2 Protein Family Interaction Analysis by Nuclear Magnetic Resonance Spectroscopy. Methods in Molecular Biology, 2019, 1877, 217-231.	0.4	1
63	Pulling the BAX trigger for tumor cell death. Oncotarget, 2018, 9, 8204-8205.	0.8	1
64	Editorial overview: Chemical genetics and epigenetics. Current Opinion in Chemical Biology, 2017, 39, vi-vii.	2.8	0
65	Abstract 2986: Conditional reprogramming of primary head and neck tumor cells to establish consistent and diverse cell line models. , 2021, , .		0
66	Structural Perspectives on BCL-2 Family of Proteins. , 2014, , 229-251.		0
67	Direct Pharmacological Inhibition of the Transcription Factor PU.1 in Acute Myeloid Leukemia. Blood, 2017, 130, 858-858.	0.6	0