

# Mohanish Deshmukh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3639507/publications.pdf>

Version: 2024-02-01

43  
papers

7,788  
citations

172386  
29  
h-index

254106  
43  
g-index

44  
all docs

44  
docs citations

44  
times ranked

11746  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018, 25, 486-541.	5.0	4,036
2	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
3	Glucose metabolism inhibits apoptosis in neurons and cancer cells by redox inactivation of cytochrome c. <i>Nature Cell Biology</i> , 2008, 10, 1477-1483.	4.6	348
4	BAX Translocation Is a Critical Event in Neuronal Apoptosis: Regulation by Neuroprotectants, BCL-2, and Caspases. <i>Journal of Neuroscience</i> , 1999, 19, 7476-7485.	1.7	292
5	Evidence of a Novel Event during Neuronal Death. <i>Neuron</i> , 1998, 21, 695-705.	3.8	271
6	Programmed Cell Death in Neurons: Focus on the Pathway of Nerve Growth Factor Deprivation-Induced Death of Sympathetic Neurons. <i>Molecular Pharmacology</i> , 1997, 51, 897-906.	1.0	203
7	miR-29b is activated during neuronal maturation and targets BH3-only genes to restrict apoptosis. <i>Genes and Development</i> , 2011, 25, 125-130.	2.7	196
8	Caspase Inhibition Extends the Commitment to Neuronal Death Beyond Cytochrome c Release to the Point of Mitochondrial Depolarization. <i>Journal of Cell Biology</i> , 2000, 150, 131-144.	2.3	175
9	Distinct pathways mediate axon degeneration during apoptosis and axon-specific pruning. <i>Nature Communications</i> , 2013, 4, 1876.	5.8	140
10	Human Embryonic Stem Cells Have Constitutively Active Bax at the Golgi and Are Primed to Undergo Rapid Apoptosis. <i>Molecular Cell</i> , 2012, 46, 573-583.	4.5	139
11	Critical function of endogenous XIAP in regulating caspase activation during sympathetic neuronal apoptosis. <i>Journal of Cell Biology</i> , 2003, 163, 789-799.	2.3	130
12	Neuronal Stress Pathway Mediating a Histone Methyl/Phospho Switch Is Required for Herpes Simplex Virus Reactivation. <i>Cell Host and Microbe</i> , 2015, 18, 649-658.	5.1	121
13	Guidelines on experimental methods to assess mitochondrial dysfunction in cellular models of neurodegenerative diseases. <i>Cell Death and Differentiation</i> , 2018, 25, 542-572.	5.0	120
14	Apoptotic cell death regulation in neurons. <i>FEBS Journal</i> , 2019, 286, 3276-3298.	2.2	117
15	Reduced Apaf-1 levels in cardiomyocytes engage strict regulation of apoptosis by endogenous XIAP. <i>Journal of Cell Biology</i> , 2005, 171, 925-930.	2.3	105
16	Nonnative SOD1 trimer is toxic to motor neurons in a model of amyotrophic lateral sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 614-619.	3.3	97
17	Decreased apoptosome activity with neuronal differentiation sets the threshold for strict IAP regulation of apoptosis. <i>Journal of Cell Biology</i> , 2004, 167, 303-313.	2.3	77
18	Large SOD1 aggregates, unlike trimeric SOD1, do not impact cell viability in a model of amyotrophic lateral sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4661-4665.	3.3	77

#	ARTICLE	IF	CITATIONS
19	Axon degeneration: context defines distinct pathways. <i>Current Opinion in Neurobiology</i> , 2016, 39, 108-115.	2.0	74
20	Rescue from excitotoxicity and axonal degeneration accompanied by age-dependent behavioral and neuroanatomical alterations in caspase-6-deficient mice. <i>Human Molecular Genetics</i> , 2012, 21, 1954-1967.	1.4	67
21	Inhibition of Apoptotic Signaling Cascades Causes Loss of Trophic Factor Dependence during Neuronal Maturation. <i>Journal of Cell Biology</i> , 2000, 149, 1011-1018.	2.3	65
22	The E3 ligase PARC mediates the degradation of cytosolic cytochrome c to promote survival in neurons and cancer cells. <i>Science Signaling</i> , 2014, 7, ra67.	1.6	61
23	Physiological functions of non-apoptotic caspase activity in the nervous system. <i>Seminars in Cell and Developmental Biology</i> , 2018, 82, 127-136.	2.3	49
24	Bcl-xL Is Essential for the Survival and Function of Differentiated Neurons in the Cortex That Control Complex Behaviors. <i>Journal of Neuroscience</i> , 2016, 36, 5448-5461.	1.7	48
25	Chromatin modification of Apaf-1 restricts the apoptotic pathway in mature neurons. <i>Journal of Cell Biology</i> , 2007, 179, 825-832.	2.3	44
26	Exogenous Smac Induces Competence and Permits Caspase Activation in Sympathetic Neurons. <i>Journal of Neuroscience</i> , 2002, 22, 8018-8027.	1.7	41
27	Essential Function of Dicer in Resolving DNA Damage in the Rapidly Dividing Cells of the Developing and Malignant Cerebellum. <i>Cell Reports</i> , 2016, 14, 216-224.	2.9	41
28	Skeletal Muscle Differentiation Evokes Endogenous XIAP to Restrict the Apoptotic Pathway. <i>PLoS ONE</i> , 2009, 4, e5097.	1.1	36
29	Restricting Apoptosis for Postmitotic Cell Survival and its Relevance to Cancer. <i>Cell Cycle</i> , 2006, 5, 1616-1620.	1.3	35
30	Apoptosis versus axon pruning: Molecular intersection of two distinct pathways for axon degeneration. <i>Neuroscience Research</i> , 2019, 139, 3-8.	1.0	28
31	MicroRNA-29 is an essential regulator of brain maturation through regulation of CH methylation. <i>Cell Reports</i> , 2021, 35, 108946.	2.9	25
32	Reversible Physiological Alterations in Sympathetic Neurons Deprived of NGF but Protected from Apoptosis by Caspase Inhibition or Bax Deletion. <i>Experimental Neurology</i> , 2000, 161, 203-211.	2.0	24
33	Adaptations of energy metabolism during cerebellar neurogenesis are co-opted in medulloblastoma. <i>Cancer Letters</i> , 2015, 356, 268-272.	3.2	24
34	Tonic Activation of Bax Primes Neural Progenitors for Rapid Apoptosis through a Mechanism Preserved in Medulloblastoma. <i>Journal of Neuroscience</i> , 2013, 33, 18098-18108.	1.7	23
35	Lack of X-Linked Inhibitor of Apoptosis Protein Leads to Increased Apoptosis and Tissue Loss Following Neonatal Brain Injury. <i>ASN Neuro</i> , 2009, 1, AN20090005.	1.5	20
36	Mature neurons dynamically restrict apoptosis via redundant premitochondrial brakes. <i>FEBS Journal</i> , 2016, 283, 4569-4582.	2.2	19

#	ARTICLE	IF	CITATIONS
37	The paradox of dicer in cancer. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1155006.	0.3	14
38	Activation of Apoptosis by Cytoplasmic Microinjection of Cytochrome $c$ . <i>Journal of Visualized Experiments</i> , 2011, , .	0.2	12
39	p53 is required for nuclear but not mitochondrial DNA damage-induced degeneration. <i>Cell Death and Disease</i> , 2021, 12, 104.	2.7	8
40	Life after MOMP. <i>Molecular Cell</i> , 2015, 58, 199-201.	4.5	7
41	Human embryonic stem cells. <i>Cell Cycle</i> , 2012, 11, 3905-3906.	1.3	5
42	Characterization of a Cul9 $\alpha$ Parkin double knockout mouse model for Parkinson $\alpha$ ™s disease. <i>Scientific Reports</i> , 2020, 10, 16886.	1.6	5
43	Constitutive High Expression of NOXA Sensitizes Human Embryonic Stem Cells for Rapid Cell Death. <i>Stem Cells</i> , 2022, 40, 49-58.	1.4	3