

# Ghanshyam Swarup

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

7,508  
citations

185998

28  
h-index

95083

68  
g-index

77  
all docs

77  
docs citations

77  
times ranked

15418  
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	Inhibition of membrane phosphotyrosyl-protein phosphatase activity by vanadate. <i>Biochemical and Biophysical Research Communications</i> , 1982, 107, 1104-1109.	1.0	720
3	A Glaucoma-Associated Mutant of Optineurin Selectively Induces Death of Retinal Ganglion Cells Which Is Inhibited by Antioxidants. , 2007, 48, 1607.		97
4	NF- $\kappa$ B Mediates Tumor Necrosis Factor $\alpha$ -Induced Expression of Optineurin, a Negative Regulator of NF- $\kappa$ B. <i>PLoS ONE</i> , 2009, 4, e5114.	1.1	95
5	Optineurin Is Required for CYLD-Dependent Inhibition of TNF $\alpha$ -Induced NF- $\kappa$ B Activation. <i>PLoS ONE</i> , 2011, 6, e17477.	1.1	94
6	Regulation of endocytic trafficking of transferrin receptor by optineurin and its impairment by a glaucoma-associated mutant. <i>BMC Cell Biology</i> , 2010, 11, 4.	3.0	86
7	Direct Transcriptional Activation of Human Caspase-1 by Tumor Suppressor p53. <i>Journal of Biological Chemistry</i> , 2001, 276, 10585-10588.	1.6	80
8	M98K-OPTN induces transferrin receptor degradation and RAB12-mediated autophagic death in retinal ganglion cells. <i>Autophagy</i> , 2013, 9, 510-527.	4.3	75
9	Physical and Functional Interaction between Hck Tyrosine Kinase and Guanine Nucleotide Exchange Factor C3G Results in Apoptosis, Which Is Independent of C3G Catalytic Domain. <i>Journal of Biological Chemistry</i> , 2003, 278, 52188-52194.	1.6	73
10	Optineurin promotes autophagosome formation by recruiting the autophagy-related Atg12-5-16L1 complex to phagophores containing the Wipi2 protein. <i>Journal of Biological Chemistry</i> , 2018, 293, 132-147.	1.6	71
11	661W is a retinal ganglion precursor-like cell line in which glaucoma-associated optineurin mutants induce cell death selectively. <i>Scientific Reports</i> , 2017, 7, 16855.	1.6	70
12	Optineurin and Its Mutants: Molecules Associated with Some Forms of Glaucoma. <i>Ophthalmic Research</i> , 2009, 42, 176-184.	1.0	54
13	Two Splice Variants of a Tyrosine Phosphatase Differ in Substrate Specificity, DNA Binding, and Subcellular Location. <i>Journal of Biological Chemistry</i> , 1996, 271, 26755-26761.	1.6	53
14	Optineurin mediates negative regulation of Rab8 function by TBC1D17, a GTPase activating protein. <i>Journal of Cell Science</i> , 2012, 125, 5026-39.	1.2	53
15	Caspase-1 activator Ipaf is a p53-inducible gene involved in apoptosis. <i>Oncogene</i> , 2005, 24, 627-636.	2.6	52
16	E50K-OPTN-Induced Retinal Cell Death Involves the Rab GTPase-Activating Protein, TBC1D17 Mediated Block in Autophagy. <i>PLoS ONE</i> , 2014, 9, e95758.	1.1	49
17	Association of Lyn Tyrosine Kinase with the Nuclear Matrix and Cell-Cycle-Dependent Changes in Matrix-Associated Tyrosine Kinase Activity. <i>FEBS Journal</i> , 1996, 236, 352-359.	0.2	47
18	Syntaxin 17 cycles between the ER and ERGIC and is required to maintain the architecture of ERGIC and Golgi. <i>Biology of the Cell</i> , 2011, 103, 333-350.	0.7	47

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19	Altered Functions and Interactions of Glaucoma-Associated Mutants of Optineurin. <i>Frontiers in Immunology</i> , 2018, 9, 1287.	2.2	45
20	Phosphorylated guanine nucleotide exchange factor C3G, induced by pervanadate and Src family kinases localizes to the Golgi and subcortical actin cytoskeleton. <i>BMC Cell Biology</i> , 2004, 5, 31.	3.0	44
21	C3G is required for c-Abl-induced filopodia and its overexpression promotes filopodia formation. <i>Experimental Cell Research</i> , 2007, 313, 2476-2492.	1.2	43
22	A Disease-associated Mutant of NLRC4 Shows Enhanced Interaction with SUG1 Leading to Constitutive FADD-dependent Caspase-8 Activation and Cell Death. <i>Journal of Biological Chemistry</i> , 2017, 292, 1218-1230.	1.6	41
23	A Glaucoma-Associated Variant of Optineurin, M98K, Activates Tbk1 to Enhance Autophagosome Formation and Retinal Cell Death Dependent on Ser177 Phosphorylation of Optineurin. <i>PLoS ONE</i> , 2015, 10, e0138289.	1.1	40
24	Defects in autophagy caused by glaucoma-associated mutations in optineurin. <i>Experimental Eye Research</i> , 2016, 144, 54-63.	1.2	40
25	Molecular cloning and expresion of a protein-tyrosine phosphatase showing homology with transcription factors Fos and Jun. <i>FEBS Letters</i> , 1991, 280, 65-69.	1.3	39
26	Tumor necrosis factor $\alpha$ -induced caspase $\epsilon$ gene expression. <i>FEBS Journal</i> , 2007, 274, 4396-4407.	2.2	36
27	Interaction with Sug1 enables Ipad ubiquitination leading to caspase 8 activation and cell death. <i>Biochemical Journal</i> , 2010, 427, 91-104.	1.7	35
28	Tyrosine-specific protein kinases of normal tissues. <i>Advances in Enzyme Regulation</i> , 1984, 22, 267-288.	2.9	30
29	Regulation of p73 by Hck through kinase-dependent and independent mechanisms. <i>BMC Molecular Biology</i> , 2007, 8, 45.	3.0	30
30	Evidence for a role of transmembrane protein p25 in localization of protein tyrosine phosphatase TC48 to the ER. <i>Journal of Cell Science</i> , 2006, 119, 1703-1714.	1.2	29
31	A nuclear protein tyrosine phosphatase activates p53 and induces caspase-1-dependent apoptosis. <i>FEBS Letters</i> , 2002, 532, 61-66.	1.3	28
32	Phosphoprotein Phosphatase Activity of Sea Urchin Spermatozoa. <i>Biology of Reproduction</i> , 1982, 26, 953-960.	1.2	27
33	Induction of p53 dependent apoptosis upon overexpression of a nuclear protein tyrosine phosphatase. <i>FEBS Letters</i> , 1999, 453, 308-312.	1.3	27
34	Alternative Splicing Generates Four Different Forms of a Non-Transmembrane Protein Tyrosine Phosphatase mRNA. <i>DNA and Cell Biology</i> , 1995, 14, 1007-1015.	0.9	25
35	Binding of a protein tyrosine phosphatase to DNA through its carboxy-terminal noncatalytic domain. <i>Biochemistry</i> , 1993, 32, 2194-2201.	1.2	23
36	Role of p73 in Regulating Human Caspase-1 Gene Transcription Induced by Interferon- $\beta$ and Cisplatin. <i>Journal of Biological Chemistry</i> , 2005, 280, 36664-36673.	1.6	23

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37	Involvement of caspase-1 and its activator Ipaf upstream of mitochondrial events in apoptosis. FEBS Journal, 2006, 273, 2766-2778.	2.2	23
38	Autophagy receptor optineurin promotes autophagosome formation by potentiating LC3-II production and phagophore maturation. Communicative and Integrative Biology, 2018, 11, 1-4.	0.6	23
39	Functional analysis of optineurin and some of its disease-associated mutants. IUBMB Life, 2015, 67, 120-128.	1.5	22
40	A glaucoma and ALS-associated mutant of OPTN induces neuronal cell death dependent on Tbk1 activity, autophagy and ER stress. FEBS Journal, 2021, 288, 4576-4595.	2.2	22
41	Emerging role of tyrosine phosphatase, TCPTP, in the organelles of the early secretory pathway. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1125-1132.	1.9	20
42	Sp1-like sequences mediate human caspase-3 promoter activation by p73 and cisplatin. FEBS Journal, 2008, 275, 2200-2213.	2.2	19
43	HSC70 regulates cold-induced caspase-1 hyperactivation by an autoinflammation-causing mutant of cytoplasmic immune receptor NLRC4. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21694-21703.	3.3	19
44	Induction of cytochrome c release and apoptosis by Hck-SH3 domain-mediated signalling requires caspase-3. Apoptosis: an International Journal on Programmed Cell Death, 2002, 7, 195-207.	2.2	18
45	Stabilization of a protein-tyrosine phosphatase mRNA upon mitogenic stimulation of T-lymphocytes. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1993, 1216, 205-212.	2.4	17
46	Overexpression of a nuclear protein tyrosine phosphatase increases cell proliferation. FEBS Letters, 1997, 409, 33-36.	1.3	15
47	Stimulation of rhodopsin phosphorylation by guanine nucleotides in rod outer segments. Biochemistry, 1983, 22, 1102-1106.	1.2	14
48	Focus on Molecules: Optineurin. Experimental Eye Research, 2008, 87, 1-2.	1.2	14
49	Identification of a splice variant of optineurin which is defective in autophagy and phosphorylation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 1526-1538.	1.9	14
50	Activation of a cellular tyrosine-specific protein kinase by phosphorylation. FEBS Letters, 1985, 188, 131-134.	1.3	12
51	Optineurin, a multifunctional protein involved in glaucoma, amyotrophic lateral sclerosis and antiviral signalling. Journal of Biosciences, 2010, 35, 501-505.	0.5	12
52	Optineurin modulates ER stress-induced signaling pathways and cell death. Biochemical and Biophysical Research Communications, 2021, 534, 297-302.	1.0	11
53	Enhanced expression of a chromatin associated protein tyrosine phosphatase during G0 to S transition. Journal of Biosciences, 1995, 20, 461-471.	0.5	10
54	PTP-S2, a nuclear tyrosine phosphatase, is phosphorylated and excluded from condensed chromosomes during mitosis. Journal of Biosciences, 2000, 25, 33-40.	0.5	10

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55	A Nuclear Protein Tyrosine Phosphatase Induces Shortening of G1 Phase and Increase in c-Myc Protein Level. <i>Experimental Cell Research</i> , 2001, 265, 1-10.	1.2	10
56	Tyrosine phosphorylation of a SNARE protein, Syntaxin 17: Implications for membrane trafficking in the early secretory pathway. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 2109-2119.	1.9	10
57	Identification of a Novel Splice Variant of C3G Which Shows Tissue-Specific Expression. <i>DNA and Cell Biology</i> , 1999, 18, 701-708.	0.9	9
58	Modulation of phosphorylation and dephosphorylation of keratin and other polypeptides by estradiol-17 $\beta$ in rat vaginal epithelium. <i>FEBS Letters</i> , 1990, 273, 135-138.	1.3	8
59	How to design a highly effective siRNA. <i>Journal of Biosciences</i> , 2004, 29, 129-131.	0.5	8
60	Inhibition of Anchorage-Independent Cell Growth, Adhesion, and Cyclin D1 Gene Expression by a Dominant Negative Mutant of a Tyrosine Phosphatase. <i>Experimental Cell Research</i> , 2001, 270, 32-44.	1.2	7
61	IRF-1-binding site in the first intron mediates interferon- $\beta$ -induced optineurin promoter activation. <i>Biochemical and Biophysical Research Communications</i> , 2013, 437, 179-184.	1.0	7
62	Human primary retinal cells as an in-vitro model for investigating defective signalling caused by OPTN mutants associated with glaucoma. <i>Neurochemistry International</i> , 2021, 148, 105075.	1.9	5
63	Autophagy-independent cytoprotection by optineurin from toxicity of aggregates formed by mutant huntingtin and mutant ataxin-3. <i>Journal of Biochemistry</i> , 2022, 171, 555-565.	0.9	5
64	Downregulation of phospho-tyrosine phosphatases in a macrophage tumor. <i>FEBS Letters</i> , 1993, 326, 75-79.	1.3	4
65	Nucleotide sequence of a cDNA coding for rathck tyrosine kinase and characterization of its gene product. <i>Journal of Biosciences</i> , 1994, 19, 117-129.	0.5	3
66	A cataract-causing connexin 50 mutant is mislocalized to the ER due to loss of the fourth transmembrane domain and cytoplasmic domain. <i>FEBS Open Bio</i> , 2013, 3, 22-29.	1.0	3
67	Regulation of cellular and molecular functions by protein phosphorylation. <i>Resonance</i> , 1998, 3, 70-78.	0.2	2
68	Functional Defects Caused by Glaucoma Associated Mutations in Optineurin. , 0, , .		2
69	HSC70 as a sensor of low temperature: Role in cold-triggered autoinflammatory disorders. <i>FEBS Journal</i> , 2021, , .	2.2	2
70	Optineurin deficiency induces patchy hair loss but it is not sufficient to cause amyotrophic lateral sclerosis in mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166470.	1.8	2
71	The Nobel Prize for understanding autophagy, a cellular mechanism of waste disposal that keeps us healthy. <i>Journal of Biosciences</i> , 2016, 41, 563-567.	0.5	0