Subramaniam Ganesh

List of Publications by Year
in descending order

Version: 2024-02-01

94 papers	6,154 citations	172457 29 h-index	71685 76 g-index
96 all docs	96 docs citations	96 times ranked	11798 citing authors

#	Article	IF	Citations
1	Strategies for Interference of Insulin Fibrillogenesis: Challenges and Advances. ChemBioChem, 2022, 23, .	2.6	10
2	Inhibiting Erastinâ€Induced Ferroptotic Cell Death by Purineâ€Based Chelators. ChemBioChem, 2022, 23, .	2.6	1
3	siRNA Mediated GSK3Î² Knockdown Targets Insulin Signaling Pathway and Rescues Alzheimerâ€™s Disease Pathology: Evidence from In Vitro and In Vivo Studies. ACS Applied Materials & Interfaces, 2022, 14, 69-93.	8.0	9
4	Age-Dependent Reduction in the Expression Levels of Genes Involved in Progressive Myoclonus Epilepsy Correlates with Increased Neuroinflammation and Seizure Susceptibility in Mouse Models. Molecular Neurobiology, 2022, 59, 5532-5548.	4.0	2
5	Trehalose Ameliorates Seizure Susceptibility in Lafora Disease Mouse Models by Suppressing Neuroinflammation and Endoplasmic Reticulum Stress. Molecular Neurobiology, 2021, 58, 1088-1101.	4.0	25
6	Dendritic spine abnormalities correlate with behavioral and cognitive deficits in mouse models of Lafora disease. Journal of Comparative Neurology, 2021, 529, 1099-1120.	1.6	8
7	Mural Cells: Potential Therapeutic Targets to Bridge Cardiovascular Disease and Neurodegeneration. Cells, 2021, 10, 593.	4.1	8
8	Dexamethasone-induced activation of heat shock response ameliorates seizure susceptibility and neuroinflammation in mouse models of Lafora disease. Experimental Neurology, 2021, 340, 113656.	4.1	9
9	Blended polar/nonpolar peptide conjugate interferes with human insulin amyloid-mediated cytotoxicity. Bioorganic Chemistry, 2021, 111, 104899.	4.1	5
10	Pesticides DEET, fipronil and maneb induce stress granule assembly and translation arrest in neuronal cells. Biochemistry and Biophysics Reports, 2021, 28, 101110.	1.3	3
11	Alterations in brain glycogen levels influence life-history traits and reduce the lifespan in female Drosophila melanogaster. Biology Open, 2021, , .	1.2	1
12	Glycogen: the missing link in neuronal autophagy?. Autophagy, 2020, 16, 2102-2104.	9.1	4
13	Perinuclear mitochondrial clustering, increased ROS levels, and HIF1 are required for the activation of HSF1 by heat stress. Journal of Cell Science, 2020, 133, .	2.0	40
14	Polyglucosan Bodies in Aged Brain and Neurodegeneration: Cause or Consequence?. , 2019, , 57-89.		5
15	Discovery of Arginine Ethyl Ester as Polyglutamine Aggregation Inhibitor: Conformational Transitioning of Huntingtin N-Terminus Augments Aggregation Suppression. ACS Chemical Neuroscience, 2019, 10, 3969-3985.	3.5	14
16	Selective Cell Adhesion on Peptideâ€“Polymer Electrospun Fiber Mats. ACS Omega, 2019, 4, 4376-4383.	3.5	4
17	Extending Arms of Insulin Resistance from Diabetes to Alzheimerâ€™s Disease: Identification of Potential Therapeutic Targets. CNS and Neurological Disorders - Drug Targets, 2019, 18, 172-184.	1.4	14
18	Evidence for Compromised Insulin Signaling and Neuronal Vulnerability in Experimental Model of Sporadic Alzheimerâ€™s Disease. Molecular Neurobiology, 2018, 55, 8916-8935.	4.0	29

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19	Glycogen synthase protects neurons from cytotoxicity of mutant huntingtin by enhancing the autophagy flux. Cell Death and Disease, 2018, 9, 201.	6.3	29
20	Sex-biased transgenerational effect of maternal stress on neurodevelopment and cognitive functions. Journal of Genetics, 2018, 97, 581-583.	0.7	2
21	Heat Shock-Induced Transcriptional and Translational Arrest in Mammalian Cells. Heat Shock Proteins, 2018, , 267-280.	0.2	4
22	Lafora disease: from genotype to phenotype. Journal of Genetics, 2018, 97, 611-624.	0.7	21
23	New discoveries in progressive myoclonus epilepsies: a clinical outlook. Expert Review of Neurotherapeutics, 2018, 18, 649-667.	2.8	10
24	Luminescent EuIII and TbIII Complexes Containing Dopamine Neurotransmitter: Biological Interactions, Antioxidant Activity and Cellular-Imaging Studies. European Journal of Inorganic Chemistry, 2018, 2018, 3942-3951.	2.0	9
25	Sex-biased transgenerational effect of maternal stress on neurodevelopment and cognitive functions. Journal of Genetics, 2018, 97, 581-583.	0.7	2
26	Lafora disease: from genotype to phenotype. Journal of Genetics, 2018, 97, 611-624.	0.7	9
27	Loss of laforin or malin results in increased Drp1 level and concomitant mitochondrial fragmentation in Lafora disease mouse models. Neurobiology of Disease, 2017, 100, 39-51.	4.4	18
28	Loss of malin, but not laforin, results in compromised autophagic flux and proteasomal dysfunction in cells exposed to heat shock. Cell Stress and Chaperones, 2017, 22, 307-315.	2.9	7
29	Suppression of leptin signaling reduces polyglucosan inclusions and seizure susceptibility in a mouse model for Lafora disease. Human Molecular Genetics, 2017, 26, 4778-4785.	2.9	13
30	Mercuric Ion Sensing by an Overlapping Î²â€turn Containing Peptide. ChemistrySelect, 2017, 2, 8072-8075.	1.5	0
31	FoxO3a-mediated autophagy is down-regulated in the laforin deficient mice, an animal model for Lafora progressive myoclonus epilepsy. Biochemical and Biophysical Research Communications, 2016, 474, 321-327.	2.1	17
32	Autism genes: the continuum that connects us all. Journal of Genetics, 2016, 95, 481-483.	0.7	1
33	Human satellite-III non-coding RNAs modulate heat shock-induced transcriptional repression. Journal of Cell Science, 2016, 129, 3541-3552.	2.0	53
34	Emerging nexus between RAB GTPases, autophagy and neurodegeneration. Autophagy, 2016, 12, 900-904.	9.1	16
35	Heat shock modulates the subcellular localization, stability, and activity of HIPK2. Biochemical and Biophysical Research Communications, 2016, 472, 580-584.	2.1	9
36	Autophagy Defects and Lafora Disease. , 2016, , 187-195.		0

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37	Interdependence of laforin and malin proteins for their stability and functions could underlie the molecular basis of locus heterogeneity in Lafora disease. Journal of Biosciences, 2015, 40, 863-871.	1.1	11
38	Lafora disease proteins laforin and malin negatively regulate the HIPK2-p53 cell death pathway. Biochemical and Biophysical Research Communications, 2015, 464, 106-111.	2.1	15
39	Decreased O-Linked GlcNAcylation Protects from Cytotoxicity Mediated by Huntingtin Exon1 Protein Fragment. Journal of Biological Chemistry, 2014, 289, 13543-13553.	3.4	54
40	Association of the GRM4 gene variants with juvenile myoclonic epilepsy in an Indian population. Journal of Genetics, 2014, 93, 193-197.	0.7	12
41	The SCN1A gene variants and epileptic encephalopathies. Journal of Human Genetics, 2013, 58, 573-580.	2.3	72
42	Activation of serum/glucocorticoid-induced kinase 1 (SGK1) underlies increased glycogen levels, mTOR activation, and autophagy defects in Lafora disease. Molecular Biology of the Cell, 2013, 24, 3776-3786.	2.1	39
43	Dysfunctions in endosomalâ€“lysosomal and autophagy pathways underlie neuropathology in a mouse model for Lafora disease. Human Molecular Genetics, 2012, 21, 175-184.	2.9	85
44	Autophagy defects in Lafora disease. Autophagy, 2012, 8, 289-290.	9.1	18
45	Phenotype variations in Lafora progressive myoclonus epilepsy: possible involvement of genetic modifiers?. Journal of Human Genetics, 2012, 57, 283-285.	2.3	17
46	The Laforin-Malin Complex Negatively Regulates Glycogen Synthesis by Modulating Cellular Glucose Uptake via Glucose Transporters. Molecular and Cellular Biology, 2012, 32, 652-663.	2.3	41
47	Identification and characterization of novel splice variants of the human EPM2A gene mutated in Lafora progressive myoclonus epilepsy. Genomics, 2012, 99, 36-43.	2.9	14
48	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
49	Lafora disease E3 ubiquitin ligase malin is recruited to the processing bodies and regulates the microRNA-mediated gene silencing process via the decapping enzyme Dcp1a. RNA Biology, 2012, 9, 1440-1449.	3.1	20
50	Progressive Myoclonus Epilepsy of Lafora. , 2012, , 874-877.		13
51	Association of ADAM33 gene polymorphisms with asthma in Indian children. Journal of Human Genetics, 2011, 56, 188-195.	2.3	35
52	Proline repeats, in cis- and trans-positions, confer protection against the toxicity of misfolded proteins in a mammalian cellular model. Neuroscience Research, 2011, 70, 435-441.	1.9	5
53	Increased glucose concentration results in reduced proteasomal activity and the formation of glycogen positive aggresomal structures. FEBS Journal, 2011, 278, 3688-3698.	4.7	12
54	Association of ADAM33 gene polymorphisms with adult-onset asthma and its severity in an Indian adult population. Journal of Genetics, 2011, 90, 265-273.	0.7	20

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55	Malin and laforin are essential components of a protein complex that protects cells from thermal stress. Journal of Cell Science, 2011, 124, 2277-2286.	2.0	42
56	Gene defects in progressive myoclonus epilepsy. Epilepsia, 2010, 51, 75-75.	5.1	1
57	juvenile myoclonic epilepsy: efhc1 at the cross-roads ?. Annals of Neurosciences, 2010, 17, 57-9.	1.7	1
58	Laforin in autophagy: A possible link between carbohydrate and protein in Lafora disease?. Autophagy, 2010, 6, 1229-1231.	9.1	22
59	Protein quality control mechanisms and neurodegenerative disorders: Checks, balances and deadlocks. Neuroscience Research, 2010, 68, 159-166.	1.9	23
60	Hyperphosphorylation and Aggregation of Tau in Laforin-deficient Mice, an Animal Model for Lafora Disease. Journal of Biological Chemistry, 2009, 284, 22657-22663.	3.4	52
61	The malinâ€“laforin complex suppresses the cellular toxicity of misfolded proteins by promoting their degradation through the ubiquitinâ€“proteasome system. Human Molecular Genetics, 2009, 18, 688-700.	2.9	106
62	Lafora progressive myoclonus epilepsy: A meta-analysis of reported mutations in the first decade following the discovery of theEPM2AandNHLRC1genes. Human Mutation, 2009, 30, 715-723.	2.5	171
63	Association between inflammatory gene polymorphisms and coronary artery disease in an Indian population. Journal of Thrombosis and Thrombolysis, 2009, 27, 88-94.	2.1	47
64	Spatial positions of homopolymeric repeats in the human proteome and their effect on cellular toxicity. Biochemical and Biophysical Research Communications, 2009, 380, 382-386.	2.1	8
65	Satellite III non-coding RNAs show distinct and stress-specific patterns of induction. Biochemical and Biophysical Research Communications, 2009, 382, 102-107.	2.1	30
66	Mannosylated self-assembled structures for molecular confinement and gene delivery applications. Biochemical and Biophysical Research Communications, 2009, 378, 503-506.	2.1	15
67	Non-coding RNAs in polyglutamine disorders: friend or foe?. Journal of Biosciences, 2008, 33, 303-306.	1.1	3
68	Lafora disease in the Indian population:EPM2A andNHLRC1 gene mutations and their impact on subcellular localization of laforin and malin. Human Mutation, 2008, 29, E1-E12.	2.5	23
69	Inflammatory system gene polymorphism and the risk of stroke: A caseâ€“control study in an Indian population. Brain Research Bulletin, 2008, 75, 158-165.	3.0	82
70	Modulation of functional properties of laforin phosphatase by alternative splicing reveals a novel mechanism for the EPM2A gene in Lafora progressive myoclonus epilepsy. Human Molecular Genetics, 2008, 17, 3010-3020.	2.9	31
71	Tandem repeats in human disorders: mechanisms and evolution. Frontiers in Bioscience - Landmark, 2008, Volume, 4467.	3.0	23
72	Lafora disease proteins malin and laforin are recruited to aggresomes in response to proteasomal impairment. Human Molecular Genetics, 2007, 16, 753-762.	2.9	84

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73	Association of gene polymorphism with genetic susceptibility to stroke in Asian populations: a meta-analysis. Journal of Human Genetics, 2007, 52, 205-219.	2.3	77
74	Recent advances in the molecular basis of Laforaâ€™s progressive myoclonus epilepsy. Journal of Human Genetics, 2006, 51, 1-8.	2.3	130
75	Genomic and Evolutionary Insights into Genes Encoding Proteins with Single Amino Acid Repeats. Molecular Biology and Evolution, 2006, 23, 1357-1369.	8.9	31
76	Mutations in the NHLRC1 gene are the common cause for Lafora disease in the Japanese population. Journal of Human Genetics, 2005, 50, 347-352.	2.3	32
77	Neuronal survival in epilepsy: To die or not to die?. Journal of Biosciences, 2005, 30, 561-566.	1.1	6
78	Transcriptional profiling of a mouse model for Lafora disease reveals dysregulation of genes involved in the expression and modification of proteins. Neuroscience Letters, 2005, 387, 62-67.	2.1	5
79	Mutations in EFHC1 cause juvenile myoclonic epilepsy. Nature Genetics, 2004, 36, 842-849.	21.4	329
80	The carbohydrate-binding domain of Lafora disease protein targets Lafora polyglucosan bodies. Biochemical and Biophysical Research Communications, 2004, 313, 1101-1109.	2.1	72
81	Recent Developments in the Quest for Myoclonic Epilepsy Genes. Epilepsia, 2003, 44, 13-26.	5.1	17
82	The Lafora disease gene product laforin interacts with HIRIP5, a phylogenetically conserved protein containing a NifU-like domain. Human Molecular Genetics, 2003, 12, 2359-2368.	2.9	43
83	Targeted disruption of the Epm2a gene causes formation of Lafora inclusion bodies, neurodegeneration, ataxia, myoclonus epilepsy and impaired behavioral response in mice. Human Molecular Genetics, 2002, 11, 1251-1262.	2.9	212
84	Genotype-phenotype correlations for EPM2A mutations in Lafora's progressive myoclonus epilepsy: exon 1 mutations associate with an early-onset cognitive deficit subphenotype. Human Molecular Genetics, 2002, 11, 1263-1271.	2.9	82
85	Alternative Splicing Modulates Subcellular Localization of Laforin. Biochemical and Biophysical Research Communications, 2002, 291, 1134-1137.	2.1	24
86	DSCAM, a Highly Conserved Gene in Mammals, Expressed in Differentiating Mouse Brain. Biochemical and Biophysical Research Communications, 2001, 281, 697-705.	2.1	47
87	Regional and Developmental Expression of Epm2a Gene and Its Evolutionary Conservation. Biochemical and Biophysical Research Communications, 2001, 283, 1046-1053.	2.1	44
88	Cloning and Functional Characterization of DSCAML1, a Novel DSCAM-like Cell Adhesion Molecule That Mediates Homophilic Intercellular Adhesion. Biochemical and Biophysical Research Communications, 2001, 285, 760-772.	2.1	64
89	A Novel Gene in the Chromosomal Region for Juvenile Myoclonic Epilepsy on 6p12 Encodes a Brain-Specific Lysosomal Membrane Protein. Biochemical and Biophysical Research Communications, 2001, 288, 626-636.	2.1	14
90	Dscam is associated with axonal and dendritic features of neuronal cells. Journal of Neuroscience Research, 2001, 66, 337-346.	2.9	25

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91	Advances in the genetics of progressive myoclonus epilepsy. American Journal of Medical Genetics Part A, 2001, 106, 129-138.	2.4	83
92	Isolation and Characterization of Mouse Homologue for the Human Epilepsy Gene,EPM2A. Biochemical and Biophysical Research Communications, 1999, 257, 24-28.	2.1	18
93	CvSox-4, the lizard homologue of the human SOX4 gene, shows remarkable conservation among the amniotes. Gene, 1997, 196, 287-290.	2.2	4
94	Male-biased distribution of the human Y chromosomal genes SRY and ZFY in the lizard Calotes versicolor, which lacks sex chromosomes and temperature-dependent sex determination. Chromosome Research, 1997, 5, 413-419.	2.2	14