

Elia Di Schiavi

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,677
citations

430874

18
h-index

302126

39
g-index

45
all docs

45
docs citations

45
times ranked

3497
citing authors

#	ARTICLE	IF	CITATIONS
1	Mimicking human riboflavin responsive neuromuscular disorders by silencing <i>flad-1</i> gene in <i>C. elegans</i> : Alteration of vitamin transport and cholinergic transmission. <i>IUBMB Life</i> , 2022, 74, 672-683.	3.4	5
2	<i>Caenorhabditis elegans</i> provides an efficient drug screening platform for <i>GNAO1</i> -related disorders and highlights the potential role of caffeine in controlling dyskinesia. <i>Human Molecular Genetics</i> , 2022, 31, 929-941.	2.9	32
3	TFEB Regulates ATP7B Expression to Promote Platinum Chemoresistance in Human Ovarian Cancer Cells. <i>Cells</i> , 2022, 11, 219.	4.1	10
4	Deregulation of microtubule organization and RNA metabolism in <i>Arx</i> models for lissencephaly and developmental epileptic encephalopathy. <i>Human Molecular Genetics</i> , 2022, 31, 1884-1908.	2.9	6
5	Anosmin-1-Like Effect of UMODL1/Olfactorin on the Chemomigration of Mouse GnRH Neurons and Zebrafish Olfactory Axons Development. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 836179.	3.7	0
6	Extracellular Vesicles From Microalgae: Uptake Studies in Human Cells and <i>Caenorhabditis elegans</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 830189.	4.1	11
7	Isolation of extracellular vesicles from microalgae: towards the production of sustainable and natural nanocarriers of bioactive compounds. <i>Biomaterials Science</i> , 2021, 9, 2917-2930.	5.4	34
8	Impairment of the neurotrophic signaling hub B-Raf contributes to motoneuron degeneration in spinal muscular atrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2007785118.	7.1	11
9	Nanalgosomes: Introducing extracellular vesicles produced by microalgae. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12081.	12.2	45
10	Understanding the Effects of Deep Space Radiation on Nervous System: The Role of Genetically Tractable Experimental Models. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	30
11	Novel Curcumin-Diethyl Fumarate Hybrid as a Dualistic GSK-3 β Inhibitor/Nrf2 Inducer for the Treatment of Parkinson's Disease. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2728-2740.	3.5	28
12	A Single Amino Acid Residue Regulates PTEN-Binding and Stability of the Spinal Muscular Atrophy Protein SMN. <i>Cells</i> , 2020, 9, 2405.	4.1	4
13	Co-occurring WARS2 and CHRNA6 mutations in a child with a severe form of infantile parkinsonism. <i>Parkinsonism and Related Disorders</i> , 2020, 72, 75-79.	2.2	16
14	Protective effect of <i>Vigna unguiculata</i> extract against aging and neurodegeneration. <i>Aging</i> , 2020, 12, 19785-19808.	3.1	9
15	Green kiwifruit extracts protect motor neurons from death in a spinal muscular atrophy model in <i>Caenorhabditis elegans</i> . <i>Food Science and Nutrition</i> , 2019, 7, 2327-2335.	3.4	4
16	Histone demethylase KDM5C is a SAHA-sensitive central hub at the crossroads of transcriptional axes involved in multiple neurodevelopmental disorders. <i>Human Molecular Genetics</i> , 2019, 28, 4089-4102.	2.9	18
17	A novel dominant-negative FGFR1 variant causes Hartsfield syndrome by deregulating RAS/ERK1/2 pathway. <i>European Journal of Human Genetics</i> , 2019, 27, 1113-1120.	2.8	12
18	Activation of Autophagy, Observed in Liver Tissues From Patients With Wilson Disease and From ATP7B-Deficient Animals, Protects Hepatocytes From Copper-Induced Apoptosis. <i>Gastroenterology</i> , 2019, 156, 1173-1189.e5.	1.3	150

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19	C. elegans expressing D76N β 2-microglobulin: a model for in vivo screening of drug candidates targeting amyloidosis. Scientific Reports, 2019, 9, 19960.	3.3	14
20	Exploratory analysis of transposable elements expression in the C. elegans early embryo. BMC Bioinformatics, 2019, 20, 484.	2.6	17
21	Key role of SMN/SYNCRIP and RNA-Motif 7 in spinal muscular atrophy: RNA-Seq and motif analysis of human motor neurons. Brain, 2019, 142, 276-294.	7.6	31
22	Functional Dysregulation of CDC42 Causes Diverse Developmental Phenotypes. American Journal of Human Genetics, 2018, 102, 309-320.	6.2	138
23	Silencing of Syntaxin 1A in the Dopaminergic Neurons Decreases the Activity of the Dopamine Transporter and Prevents Amphetamine-Induced Behaviors in C. elegans. Frontiers in Physiology, 2018, 9, 576.	2.8	9
24	Automated screening of C. elegans neurodegeneration mutants enabled by microfluidics and image analysis algorithms. Integrative Biology (United Kingdom), 2018, 10, 539-548.	1.3	17
25	WDR79/TCAB1 plays a conserved role in the control of locomotion and ameliorates phenotypic defects in SMA models. Neurobiology of Disease, 2017, 105, 42-50.	4.4	22
26	A Caenorhabditis elegans model to study dopamine transporter deficiency syndrome. European Journal of Neuroscience, 2017, 45, 207-214.	2.6	11
27	Caenorhabditis elegans employs innate and learned aversion in response to bacterial toxic metabolites tambjamine and violacein. Scientific Reports, 2016, 6, 29284.	3.3	19
28	Neuron-specific knock-down of SMN1 causes neuron degeneration and death through an apoptotic mechanism. Human Molecular Genetics, 2016, 25, ddw119.	2.9	21
29	Evaluation of Burkholderia cepacia Complex Bacteria Pathogenicity Using Caenorhabditis elegans. Bio-protocol, 2016, 6, .	0.4	3
30	Investigating the Role of the Host Multidrug Resistance Associated Protein Transporter Family in Burkholderia cepacia Complex Pathogenicity Using a Caenorhabditis elegans Infection Model. PLoS ONE, 2015, 10, e0142883.	2.5	4
31	Optofluidic holographic microscopy with custom field of view (FoV) using a linear array detector. Lab on A Chip, 2015, 15, 2117-2124.	6.0	57
32	Activating mutations in RRAS underlie a phenotype within the RASopathy spectrum and contribute to leukaemogenesis. Human Molecular Genetics, 2014, 23, 4315-4327.	2.9	114
33	Kallmann's syndrome and normosmic isolated hypogonadotropic hypogonadism: two largely overlapping manifestations of one rare disorder. Journal of Endocrinological Investigation, 2014, 37, 499-500.	3.3	8
34	Antinematode Activity of Violacein and the Role of the Insulin/IGF-1 Pathway in Controlling Violacein Sensitivity in Caenorhabditis elegans. PLoS ONE, 2014, 9, e109201.	2.5	37
35	Invertebrate Models of Kallmann Syndrome: Molecular Pathogenesis and New Disease Genes. Current Genomics, 2013, 14, 2-10.	1.6	14
36	The C. elegans H3K27 Demethylase UTX-1 Is Essential for Normal Development, Independent of Its Enzymatic Activity. PLoS Genetics, 2012, 8, e1002647.	3.5	59

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37	The G Protein regulators EGL-10 and EAT-16, the G \hat{i} ± GOA-1 and the Gq \hat{i} ± EGL-30 modulate the response of the <i>C. elegans</i> ASH polymodal nociceptive sensory neurons to repellents. <i>BMC Biology</i> , 2010, 8, 138.	3.8	23
38	Mutation of SHOC2 promotes aberrant protein N-myristoylation and causes Noonan-like syndrome with loose anagen hair. <i>Nature Genetics</i> , 2009, 41, 1022-1026.	21.4	358
39	Efficient and cell specific knock-down of gene function in targeted <i>C. elegans</i> neurons. <i>Gene</i> , 2007, 395, 170-176.	2.2	147
40	UMODL1/Olfactorin is an extracellular membrane-bound molecule with a restricted spatial expression in olfactory and vomeronasal neurons. <i>European Journal of Neuroscience</i> , 2005, 21, 3291-3300.	2.6	18
41	The Kallmann syndrome gene homolog in <i>C. elegans</i> is involved in epidermal morphogenesis and neurite branching. <i>Development (Cambridge)</i> , 2002, 129, 1283-1294.	2.5	82
42	The Kallmann syndrome gene homolog in <i>C. elegans</i> is involved in epidermal morphogenesis and neurite branching. <i>Development (Cambridge)</i> , 2002, 129, 1283-94.	2.5	27