Luigi Donato

List of Publications by Year
in descending order

39 papers	899 citations	331538 21 h-index	477173 29 g-index
48 all docs	48 docs citations	48 times ranked	807 citing authors

#	Article	IF	Citations
1	mi<scp>RNA</scp>expression profile of retinal pigment epithelial cells under oxidative stress conditions. FEBS Open Bio, 2018, 8, 219-233.	1.0	60
2	Expression of Pro-Angiogenic Markers Is Enhanced by Blue Light in Human RPE Cells. Antioxidants, 2020, 9, 1154.	2.2	50
3	Transcriptome Analyses of lncRNAs in A2E-Stressed Retinal Epithelial Cells Unveil Advanced Links between Metabolic Impairments Related to Oxidative Stress and Retinitis Pigmentosa. Antioxidants, 2020, 9, 318.	2.2	49
4	Effects of A2E-Induced Oxidative Stress on Retinal Epithelial Cells: New Insights on Differential Gene Response and Retinal Dystrophies. Antioxidants, 2020, 9, 307.	2.2	46
5	Oxidative Stress and the Neurovascular Unit. Life, 2021, 11, 767.	1.1	45
6	Stargardt Phenotype Associated With Two ELOVL4 Promoter Variants and ELOVL4 Downregulation: New Possible Perspective to Etiopathogenesis?. , 2018, 59, 843.		42
7	Possible A2E Mutagenic Effects on RPE Mitochondrial DNA from Innovative RNA-Seq Bioinformatics Pipeline. Antioxidants, 2020, 9, 1158.	2.2	42
8	N-retinylidene-N-retinylethanolamine adduct induces expression of chronic inflammation cytokines in retinal pigment epithelium cells. Experimental Eye Research, 2021, 209, 108641.	1.2	36
9	Transcriptome analysis provides new molecular signatures in sporadic Cerebral Cavernous Malformation endothelial cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165956.	1.8	35
10	New Omicsâ€"Derived Perspectives on Retinal Dystrophies: Could Ion Channels-Encoding or Related Genes Act as Modifier of Pathological Phenotype?. International Journal of Molecular Sciences, 2021, 22, 70.	1.8	34
11	High-Throughput Sequencing to Detect Novel Likely Gene-Disrupting Variants in Pathogenesis of Sporadic Brain Arteriovenous Malformations. Frontiers in Genetics, 2020, 11, 146.	1.1	32
12	Vis-Ã-vis: a focus on genetic features of cerebral cavernous malformations and brain arteriovenous malformations pathogenesis. Neurological Sciences, 2019, 40, 243-251.	0.9	31
13	GLO1 gene polymorphisms and their association with retinitis pigmentosa: a caseâ€"control study in a Sicilian population. Molecular Biology Reports, 2018, 45, 1349-1355.	1.0	29
14	CCM3/SERPINI1 bidirectional promoter variants in patients with cerebral cavernous malformations: a molecular and functional study. BMC Medical Genetics, 2016, 17, 74.	2.1	28
15	Update on Novel CCM Gene Mutations in Patients with Cerebral Cavernous Malformations. Journal of Molecular Neuroscience, 2017, 61, 189-198.	1.1	28
16	A novel RLBP1 gene geographical area-related mutation present in a young patient with retinitis punctata albescens. Human Genomics, 2017, 11, 18.	1.4	28
17	Discovery of GLO1 New Related Genes and Pathways by RNA-Seq on A2E-Stressed Retinal Epithelial Cells Could Improve Knowledge on Retinitis Pigmentosa. Antioxidants, 2020, 9, 416.	2.2	28
18	Possible protective role of the ABCA4 gene c.1268A>G missense variant in Stargardt disease and syndromic retinitis pigmentosa in a Sicilian family: Preliminary data. International Journal of Molecular Medicine, 2017, 39, 1011-1020.	1.8	27

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19	Two Novel KRIT1 and CCM2 Mutations in Patients Affected by Cerebral Cavernous Malformations: New Information on CCM2 Penetrance. Frontiers in Neurology, 2018, 9, 953.	1.1	27
20	Impairments of Photoreceptor Outer Segments Renewal and Phototransduction Due to a Peripherin Rare Haplotype Variant: Insights from Molecular Modeling. International Journal of Molecular Sciences, 2021, 22, 3484.	1.8	27
21	Relevance of CCM gene polymorphisms for clinical management of sporadic cerebral cavernous malformations. Journal of the Neurological Sciences, 2017, 380, 31-37.	0.3	26
22	Detection of Novel Mutation in Ccm3 Causes Familial Cerebral Cavernous Malformations. Journal of Molecular Neuroscience, 2015, 57, 400-403.	1.1	24
23	Germline Mutation Enrichment in Pathways Controlling Endothelial Cell Homeostasis in Patients with Brain Arteriovenous Malformation: Implication for Molecular Diagnosis. International Journal of Molecular Sciences, 2020, 21, 4321.	1.8	14
24	Role of neurodevelopment involved genes in psychiatric comorbidities and modulation of inflammatory processes in Alzheimer's disease. Journal of the Neurological Sciences, 2016, 370, 162-166.	0.3	12
25	Aged fingerprints for DNA profile: First report of successful typing. Forensic Science International, 2019, 302, 109905.	1.3	8
26	New evaluation methods of read mapping by 17 aligners on simulated and empirical NGS data: an updated comparison of DNA- and RNA-Seq data from Illumina and Ion Torrent technologies. Neural Computing and Applications, 2021, 33, 15669-15692.	3.2	8
27	The combination of new missense mutation with [A(TA)7TAA] dinucleotide repeat in UGT1A1 gene promoter causes Gilbert's syndrome. Annals of Clinical and Laboratory Science, 2015, 45, 202-5.	0.2	7
28	Nine differentially expressed genes from a post mortem study and their association with suicidal status in a sample of suicide completers, attempters and controls. Journal of Psychiatric Research, 2017, 91, 98-104.	1.5	6
29	Antiretroviral treatment leading to secondary trimethylaminuria: Genetic associations and successful management with riboflavin. Journal of Clinical Pharmacy and Therapeutics, 2021, 46, 304-309.	0.7	6
30	Gut-Brain Axis Cross-Talk and Limbic Disorders as Biological Basis of Secondary TMAU. Journal of Personalized Medicine, 2021, 11, 87.	1.1	6
31	Editome landscape of CCM-derived endothelial cells. RNA Biology, 2022, 19, 852-865.	1.5	6
32	First case of Currarino syndrome and trimethylaminuria: two rare diseases for a complex clinical presentation. Journal of Digestive Diseases, 2016, 17, 628-632.	0.7	2
33	Adaptive Modelling of Mutated FMO3 Enzyme Could Unveil Unexplored Scenarios Linking Variant Haplotypes to TMAU Phenotypes. Molecules, 2021, 26, 7045.	1.7	2
34	Evidences of PIEZO1 involvement in cerebral cavernous malformation pathogenesis. Microvascular Research, 2022, 141, 104342.	1.1	2
35	Investigating the role of imprinted genes in pediatric sporadic brain arteriovenous malformations. Neural Regeneration Research, 2022, 17, 101.	1.6	1
36	93rd National Congress of the Italian Society of Experimental Biology | Palermo, Italy, 22-25 April 2021. Journal of Biological Research (Italy), 2021, 94, .	0.0	0

#	Article	IF	Citations
37	Absence of mutations at SERPINI1 gene in a cohort of patients with Cerebral Cavernous Malformations. Journal of Biological Research (Italy), 2021, 94, .	0.0	0
38	Bioinformatic Analysis of a â€œFunctional Clusterâ€•Probably Related to Retinitis Pigmentosa. Open Bioinformatics Journal, 2018, 11, 89-105.	1.0	0
39	Novel Insights into RPGR Exon ORF15: Could G-Quadruplex Folding Lead to Challenging Sequencing?. Journal of Ocular Diseases and Therapeutics, 2019, 7, 1-11.	1.0	0