

Eleonora Napoli

List of Publications by Year in descending order

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80
papers

3,947
citations

126708

33
h-index

128067

60
g-index

80
all docs

80
docs citations

80
times ranked

6406
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbiota-activated PPAR- β signaling inhibits dysbiotic Enterobacteriaceae expansion. <i>Science</i> , 2017, 357, 570-575.	6.0	796
2	Mitochondrial frataxin interacts with ISD11 of the NFS1/ISCU complex and multiple mitochondrial chaperones. <i>Human Molecular Genetics</i> , 2007, 16, 929-941.	1.4	152
3	Evaluation of Senescence in Mesenchymal Stem Cells Isolated from Equine Bone Marrow, Adipose Tissue, and Umbilical Cord Tissue. <i>Stem Cells and Development</i> , 2012, 21, 273-283.	1.1	143
4	Frataxin Deficiency Leads to Defects in Expression of Antioxidants and Nrf2 Expression in Dorsal Root Ganglia of the Friedreich's Ataxia YG8R Mouse Model. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 1481-1493.	2.5	127
5	Neurological, Psychiatric, and Biochemical Aspects of Thiamine Deficiency in Children and Adults. <i>Frontiers in Psychiatry</i> , 2019, 10, 207.	1.3	127
6	Activation of Meiosis-Specific Genes Is Associated with Depolyploidization of Human Tumor Cells following Radiation-Induced Mitotic Catastrophe. <i>Cancer Research</i> , 2009, 69, 2296-2304.	0.4	107
7	Mitochondrial Dysfunction in Pten Haplo-Insufficient Mice with Social Deficits and Repetitive Behavior: Interplay between Pten and p53. <i>PLoS ONE</i> , 2012, 7, e42504.	1.1	106
8	Bioenergetics shapes cellular death pathways in Leber's hereditary optic neuropathy: a model of mitochondrial neurodegeneration. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004, 1658, 172-179.	0.5	102
9	Frataxin deficiency alters heme pathway transcripts and decreases mitochondrial heme metabolites in mammalian cells. <i>Human Molecular Genetics</i> , 2005, 14, 3787-3799.	1.4	98
10	Altered zinc transport disrupts mitochondrial protein processing/import in fragile X-associated tremor/ataxia syndrome. <i>Human Molecular Genetics</i> , 2011, 20, 3079-3092.	1.4	98
11	Antioxidant defences in cybrids harboring mtDNA mutations associated with Leber's hereditary optic neuropathy. <i>FEBS Journal</i> , 2005, 272, 1124-1135.	2.2	96
12	Frataxin, Iron-Sulfur Clusters, Heme, ROS, and Aging. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 506-516.	2.5	96
13	Deficits in Bioenergetics and Impaired Immune Response in Granulocytes From Children With Autism. <i>Pediatrics</i> , 2014, 133, e1405-e1410.	1.0	91
14	Evidence of reactive oxygen species-mediated damage to mitochondrial DNA in children with typical autism. <i>Molecular Autism</i> , 2013, 4, 2.	2.6	84
15	Decreased expression of genes involved in sulfur amino acid metabolism in frataxin-deficient cells. <i>Human Molecular Genetics</i> , 2003, 12, 1699-1711.	1.4	75
16	Defective mitochondrial disulfide relay system, altered mitochondrial morphology and function in Huntington's disease. <i>Human Molecular Genetics</i> , 2013, 22, 989-1004.	1.4	66
17	Oral administration of trans-resveratrol to guinea pigs increases cardiac DT-diaphorase and catalase activities, and protects isolated atria from menadione toxicity. <i>Life Sciences</i> , 2003, 72, 2741-2750.	2.0	64
18	Recent Advances in Stem Cell-Based Therapeutics for Stroke. <i>Translational Stroke Research</i> , 2016, 7, 452-457.	2.3	61

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19	Potential Therapeutic Use of the Ketogenic Diet in Autism Spectrum Disorders. <i>Frontiers in Pediatrics</i> , 2014, 2, 69.	0.9	59
20	Mitochondrial Citrate Transporter-dependent Metabolic Signature in the 22q11.2 Deletion Syndrome. <i>Journal of Biological Chemistry</i> , 2015, 290, 23240-23253.	1.6	56
21	Altered Redox Mitochondrial Biology in the Neurodegenerative Disorder Fragile X-Tremor/Ataxia Syndrome: Use of Antioxidants in Precision Medicine. <i>Molecular Medicine</i> , 2016, 22, 548-559.	1.9	56
22	Toxicity of the Flame-Retardant BDE-49 on Brain Mitochondria and Neuronal Progenitor Striatal Cells Enhanced by a PTEN-Deficient Background. <i>Toxicological Sciences</i> , 2013, 132, 196-210.	1.4	53
23	Sustained Activation of Akt Elicits Mitochondrial Dysfunction to Block <i>Plasmodium falciparum</i> Infection in the Mosquito Host. <i>PLoS Pathogens</i> , 2013, 9, e1003180.	2.1	52
24	Mitochondrial targeting as a novel therapy for stroke. <i>Brain Circulation</i> , 2018, 4, 84.	0.7	50
25	Beyond autophagy: a novel role for autism-linked <i>Wdfy3</i> in brain mitophagy. <i>Scientific Reports</i> , 2018, 8, 11348.	1.6	45
26	Toll-Like Receptor 4 Modulates Small Intestine Neuromuscular Function through Nitroergic and Purinergic Pathways. <i>Frontiers in Pharmacology</i> , 2017, 8, 350.	1.6	43
27	PPAR α -targeted mitochondrial bioenergetics mediate repair of intestinal barriers at the host-microbe intersection during SIV infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24819-24829.	3.3	42
28	Basal Bioenergetic Abnormalities in Skeletal Muscle from Ryanodine Receptor Malignant Hyperthermia-susceptible R163C Knock-in Mice. <i>Journal of Biological Chemistry</i> , 2011, 286, 99-113.	1.6	41
29	Altered Bioenergetics in Primary Dermal Fibroblasts from Adult Carriers of the FMR1 Premutation Before the Onset of the Neurodegenerative Disease Fragile X-Associated Tremor/Ataxia Syndrome. <i>Cerebellum</i> , 2016, 15, 552-564.	1.4	41
30	Antioxidant defences and homeostasis of reactive oxygen species in different human mitochondrial DNA-depleted cell lines. <i>FEBS Journal</i> , 2004, 271, 3646-3656.	0.2	40
31	Copy number variants in autism spectrum disorders. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 92, 421-427.	2.5	39
32	Plasma metabolic profile delineates roles for neurodegeneration, pro-inflammatory damage and mitochondrial dysfunction in the <i>FMR1</i> premutation. <i>Biochemical Journal</i> , 2016, 473, 3871-3888.	1.7	38
33	Hemin rescues adrenodoxin, heme a and cytochrome oxidase activity in frataxin-deficient oligodendrogloma cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2007, 1772, 773-780.	1.8	35
34	Gestational Exposure to a Viral Mimetic Poly(I:C) Results in Long-Lasting Changes in Mitochondrial Function by Leucocytes in the Adult Offspring. <i>Mediators of Inflammation</i> , 2013, 2013, 1-8.	1.4	34
35	Zdhhc13-dependent Drp1 S-palmitoylation impacts brain bioenergetics, anxiety, coordination and motor skills. <i>Scientific Reports</i> , 2017, 7, 12796.	1.6	34
36	May the force be with you: Transfer of healthy mitochondria from stem cells to stroke cells. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 367-370.	2.4	34

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37	Warburg effect linked to cognitive executive deficits in FMR1 premutation. <i>FASEB Journal</i> , 2016, 30, 3334-3351.	0.2	33
38	Pathogenic WDFY3 variants cause neurodevelopmental disorders and opposing effects on brain size. <i>Brain</i> , 2019, 142, 2617-2630.	3.7	31
39	Allopregnanolone Treatment Improves Plasma Metabolomic Profile Associated with GABA Metabolism in Fragile X-Associated Tremor/Ataxia Syndrome: a Pilot Study. <i>Molecular Neurobiology</i> , 2019, 56, 3702-3713.	1.9	28
40	Thiamine Deficiency Mediated Brain Mitochondrial Pathology in <i>A</i> <i>H</i> uskies with Mutation in <i>SLC19A3.1</i> . <i>Brain Pathology</i> , 2015, 25, 441-453.	2.1	27
41	Using Tablet Applications for Children With Autism to Increase Their Cognitive and Social Skills. <i>Journal of Special Education Technology</i> , 2017, 32, 199-209.	1.4	27
42	Inhibition of JNK signaling in the Asian malaria vector <i>Anopheles stephensi</i> extends mosquito longevity and improves resistance to <i>Plasmodium falciparum</i> infection. <i>PLoS Pathogens</i> , 2018, 14, e1007418.	2.1	25
43	Eye Opener in Stroke. <i>Stroke</i> , 2019, 50, 2197-2206.	1.0	25
44	Impact of a novel homozygous mutation in nicotinamide nucleotide transhydrogenase on mitochondrial DNA integrity in a case of familial glucocorticoid deficiency. <i>BBA Clinical</i> , 2015, 3, 70-78.	4.1	24
45	Premutation in the Fragile X Mental Retardation 1 (FMR1) Gene Affects Maternal Zn-milk and Perinatal Brain Bioenergetics and Scaffolding. <i>Frontiers in Neuroscience</i> , 2016, 10, 159.	1.4	24
46	Plasma Biomarkers for Monitoring Brain Pathophysiology in FMR1 Premutation Carriers. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 71.	1.4	24
47	Healthy mitochondria for stroke cells. <i>Brain Circulation</i> , 2018, 4, 95.	0.7	24
48	Increased Susceptibility to Skin Carcinogenesis Associated with a Spontaneous Mouse Mutation in the Palmitoyl Transferase <i>Zdhc13</i> Gene. <i>Journal of Investigative Dermatology</i> , 2015, 135, 3133-3143.	0.3	22
49	Protective action of cardiac DT-diaphorase against menadione toxicity in guinea pig isolated atria. <i>Biochemical Pharmacology</i> , 2000, 60, 601-605.	2.0	20
50	Characterization of Clinical Manifestations in the Co-occurring Phenotype of Attention Deficit/Hyperactivity Disorder and Autism Spectrum Disorder. <i>Frontiers in Psychology</i> , 2020, 11, 861.	1.1	20
51	Array-CGH Analysis in a Cohort of Phenotypically Well-Characterized Individuals with "Essential" Autism Spectrum Disorders. <i>Journal of Autism and Developmental Disorders</i> , 2018, 48, 442-449.	1.7	19
52	Cooperative parent-mediated therapy for Italian preschool children with autism spectrum disorder: a randomized controlled trial. <i>European Child and Adolescent Psychiatry</i> , 2020, 29, 935-946.	2.8	19
53	<i>Anopheles stephensi</i> p38 MAPK signaling regulates innate immunity and bioenergetics during <i>Plasmodium falciparum</i> infection. <i>Parasites and Vectors</i> , 2015, 8, 424.	1.0	18
54	Role of <i>p53</i> , Mitochondrial DNA Deletions, and Paternal Age in Autism: A Case-Control Study. <i>Pediatrics</i> , 2016, 137, .	1.0	18

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55	Two insulin-like peptides differentially regulate malaria parasite infection in the mosquito through effects on intermediary metabolism. <i>Biochemical Journal</i> , 2016, 473, 3487-3503.	1.7	18
56	Understanding the Role of Dysfunctional and Healthy Mitochondria in Stroke Pathology and Its Treatment. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2127.	1.8	18
57	Impact of FMR1 Premutation on Neurobehavior and Bioenergetics in Young Monozygotic Twins. <i>Frontiers in Genetics</i> , 2018, 9, 338.	1.1	17
58	Cell Therapy in Parkinson's Disease: Host Brain Repair Machinery Gets a Boost From Stem Cell Grafts. <i>Stem Cells</i> , 2017, 35, 1443-1445.	1.4	16
59	Stem Cell Therapy: Repurposing Cell-Based Regenerative Medicine Beyond Cell Replacement. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1079, 87-91.	0.8	15
60	Clinical evaluation and biochemical analyses of thiamine deficiency in Pacific harbor seals (<i>Phoca</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 2013, 243, 1179-1189.	0.2	14
61	Stem Cell Recipes of Bone Marrow and Fish: Just What the Stroke Doctors Ordered. <i>Stem Cell Reviews and Reports</i> , 2017, 13, 192-197.	5.6	14
62	Executive Functions and Symptom Severity in an Italian Sample of Intellectually Able Preschoolers with Autism Spectrum Disorder. <i>Journal of Autism and Developmental Disorders</i> , 2020, 50, 3207-3215.	1.7	13
63	Characterization of the Metabolic, Clinical and Neuropsychological Phenotype of Female Carriers of the Premutation in the X-Linked FMR1 Gene. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 578640.	1.6	12
64	Role of antioxidant defences in the species-specific response of isolated atria to menadione. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2002, 132, 143-151.	1.3	10
65	Deficits in Prenatal Serine Biosynthesis Underlie the Mitochondrial Dysfunction Associated with the Autism-Linked FMR1 Gene. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5886.	1.8	10
66	Wdfy3 regulates glycophyagy, mitophagy, and synaptic plasticity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 3213-3231.	2.4	9
67	Sulforaphane improves mitochondrial metabolism in fibroblasts from patients with fragile X-associated tremor and ataxia syndrome. <i>Neurobiology of Disease</i> , 2021, 157, 105427.	2.1	9
68	Renal Clearance of N ¹ -Methylnicotinamide: A Sensitive Marker of the Severity of Liver Dysfunction in Cirrhosis. <i>Nephron</i> , 2000, 84, 32-39.	0.9	8
69	Adipose depot-specific effects of ileal interposition surgery in UCD-T2D rats: unexpected implications for obesity and diabetes. <i>Biochemical Journal</i> , 2018, 475, 649-662.	1.7	8
70	Harnessing neural stem cells for treating psychiatric symptoms associated with fetal alcohol spectrum disorder and epilepsy. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 80, 10-22.	2.5	8
71	Brain Atrophy and White Matter Damage Linked to Peripheral Bioenergetic Deficits in the Neurodegenerative Disease FXTAS. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9171.	1.8	8
72	Mitochondrial NAD ⁺ -dependent malic enzyme from <i>Anopheles stephensi</i> : a possible novel target for malaria mosquito control. <i>Malaria Journal</i> , 2011, 10, 318.	0.8	7

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73	mtDNA depletion-like syndrome in Wilson disease. <i>Liver International</i> , 2020, 40, 2776-2787.	1.9	7
74	Lipid-based DNA/siRNA transfection agents disrupt neuronal bioenergetics and mitophagy. <i>Biochemical Journal</i> , 2017, 474, 3887-3902.	1.7	6
75	Potential biomarker identification for Friedreich's ataxia using overlapping gene expression patterns in patient cells and mouse dorsal root ganglion. <i>PLoS ONE</i> , 2019, 14, e0223209.	1.1	6
76	Ileal interposition surgery targets the hepatic TGF- β pathway, influencing gluconeogenesis and mitochondrial bioenergetics in the UCD-T2DM rat model of diabetes. <i>FASEB Journal</i> , 2019, 33, 11270-11283.	0.2	2
77	Forensic determination of hair deposition time in crime scenes using electron paramagnetic resonance. <i>Journal of Forensic Sciences</i> , 2021, 66, 72-82.	0.9	2
78	PPAR α -targeted mitochondrial bioenergetics mediate repair of intestinal barriers at the host-microbe intersection during SIV infection. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	1
79	Toll-Like Receptor 4 Modulates Neuromuscular Function Through Nitroergic and Purinergic Pathways in Mouse Small Intestine. <i>Gastroenterology</i> , 2017, 152, S710-S711.	0.6	0
80	Endogenous repair mechanisms enhanced in Parkinson's disease following stem cell therapy. <i>Brain Circulation</i> , 2017, 3, 163.	0.7	0