Michael J Petris

List of Publications by Year
in descending order

24 papers	1,480 citations	471371 17 h-index	642610 23 g-index
25 all docs	25 docs citations	25 times ranked	1344 citing authors

#	Article	IF	Citations
1	Connecting copper and cancer: from transition metal signalling to metalloplasia. Nature Reviews Cancer, 2022, 22, 102-113.	12.8	519
2	Copper metabolism as a unique vulnerability in cancer. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 118893.	1.9	191
3	ATP7A delivers copper to the lysyl oxidase family of enzymes and promotes tumorigenesis and metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6836-6841.	3.3	117
4	Elesclomol alleviates Menkes pathology and mortality by escorting Cu to cuproenzymes in mice. Science, 2020, 368, 620-625.	6.0	66
5	The interactome of the copper transporter ATP7A belongs to a network of neurodevelopmental and neurodegeneration factors. ELife, 2017, 6, .	2.8	61
6	The Menkes and Wilson disease genes counteract in copper toxicosis in Labrador retrievers: a new canine model for copper-metabolism disorders. DMM Disease Models and Mechanisms, 2016, 9, 25-38.	1.2	60
7	Host and Pathogen Copper-Transporting P-Type ATPases Function Antagonistically during Salmonella Infection. Infection and Immunity, 2017, 85, .	1.0	54
8	A Role for The ATP7A Copper Transporter in Tumorigenesis and Cisplatin Resistance. Journal of Cancer, 2017, 8, 1952-1958.	1.2	47
9	Increased Expression of TGF-Î² Signaling Components in a Mouse Model of Fibrosis Induced by Submandibular Gland Duct Ligation. PLoS ONE, 2015, 10, e0123641.	1.1	45
10	Molecular basis of neurodegeneration and neurodevelopmental defects in Menkes disease. Neurobiology of Disease, 2015, 81, 154-161.	2.1	39
11	The Mitochondrial Metallochaperone SCO1 Is Required to Sustain Expression of the High-Affinity Copper Transporter CTR1 and Preserve Copper Homeostasis. Cell Reports, 2015, 10, 933-943.	2.9	37
12	Separation of zincâ€dependent and zincâ€independent events during early LPSâ€stimulated TLR4 signaling in macrophage cells. FEBS Letters, 2014, 588, 2928-2935.	1.3	31
13	Metallothioneins regulate ATP7A trafficking and control cell viability during copper deficiency and excess. Scientific Reports, 2020, 10, 7856.	1.6	29
14	Xâ€linked spinal muscular atrophy in mice caused by autonomous loss of ATP7A in the motor neuron. Journal of Pathology, 2015, 236, 241-250.	2.1	27
15	Changes in mammalian copper homeostasis during microbial infection. Metallomics, 2020, 12, 416-426.	1.0	25
16	Omeprazole, a Gastric Proton Pump Inhibitor, Inhibits Melanogenesis by Blocking ATP7A Trafficking. Journal of Investigative Dermatology, 2015, 135, 834-841.	0.3	24
17	The mitochondrial metallochaperone SCO1 maintains CTR1 at the plasma membrane to preserve copper homeostasis in the murine heart. Human Molecular Genetics, 2017, 26, 4617-4628.	1.4	20
18	P2Y2 receptors mediate nucleotide-induced EGFR phosphorylation and stimulate proliferation and tumorigenesis of head and neck squamous cell carcinoma cell lines. Oral Oncology, 2020, 109, 104808.	0.8	20

#	Article	IF	Citations
19	Autonomous requirements of the Menkes disease protein in the nervous system. American Journal of Physiology - Cell Physiology, 2015, 309, C660-C668.	2.1	18
20	Rare Disease Mechanisms Identified by Genealogical Proteomics of Copper Homeostasis Mutant Pedigrees. Cell Systems, 2018, 6, 368-380.e6.	2.9	16
21	P2Y₂nucleotide receptor activation enhances the aggregation and self-organization of dispersed salivary epithelial cells. American Journal of Physiology - Cell Physiology, 2014, 307, C83-C96.	2.1	13
22	Adipocyte-specific disruption of ATPase copper transporting Î± in mice accelerates lipoatrophy. Diabetologia, 2019, 62, 2340-2353.	2.9	13
23	Ceruloplasmin as a source of Cu for a fungal pathogen. Journal of Inorganic Biochemistry, 2021, 219, 111424.	1.5	6
24	Early Dry Eye Disease Onset in a NOD.H-2^{h4} Mouse Model of SjÃ¶gren's Syndrome. , 2022, 63, 18.		1