Stefano Luca Sensi

List of Publications by Year in Descending Order

127 papers	10,191 citations	50 h-index	100 g-index
146 ext. papers	11,171 ext. citations	5.7 avg, IF	5.89 L-index

#	Paper	IF	Citations
127	Cerebral venous thrombosis without thrombocytopenia after a single dose of COVID-19 (Ad26.COV2.S) vaccine injection: a case report.. *Neurological Sciences*, **2022**, 1	3.5	3
126	Anti N-methyl-D-aspartate receptor (NMDAr) encephalitis during pregnancy: A case report.. *Epilepsy and Behavior Reports*, **2022**, 19, 100535	1.3	0
125	Perampanel enhances the cardiovagal tone and heart rate variability (HRV) in patients with drug-resistant temporal lobe epilepsy.. *Seizure: the Journal of the British Epilepsy Association*, **2022**, 99, 16-23	3.2	0
124	Levetiracetam Prophylaxis Therapy for Brain Tumor-Related Epilepsy (BTRE) Is Associated With a Higher Psychiatric Burden.. *Frontiers in Neurology*, **2021**, 12, 806839	4.1	
123	Heart rate variability is reduced during the menstrual phase in women with catamenial C1-type temporal lobe epilepsy.. *Epilepsy and Behavior*, **2021**, 127, 108508	3.2	0
122	Non-Ceruloplasmin Copper as a Stratification Biomarker of Alzheimer's Disease Patients: How to Measure and Use It. *Current Alzheimer Research*, **2021**, 18, 533-545	3	2
121	Functional neurological disorder and somatic symptom disorder in Parkinson's disease. *Journal of the Neurological Sciences*, **2021**, 120017	3.2	0
120	Suicidal Behavior and Club Drugs in Young Adults. *Brain Sciences*, **2021**, 11,	3.4	4
119	Agitation and Dementia: Prevention and Treatment Strategies in Acute and Chronic Conditions. *Frontiers in Neurology*, **2021**, 12, 644317	4.1	3
118	Therapeutic Potentials of Ketamine and Esketamine in Obsessive-Compulsive Disorder (OCD), Substance Use Disorders (SUD) and Eating Disorders (ED): A Review of the Current Literature. *Brain Sciences*, **2021**, 11,	3.4	9
117	Copper Imbalance in Alzheimer's Disease: Meta-Analysis of Serum, Plasma, and Brain Specimens, and Replication Study Evaluating Gene Variants. *Biomolecules*, **2021**, 11,	5.9	7
116	Delirium in COVID-19 patients: a multicentric observational study in Italy. *Neurological Sciences*, **2021**, 42, 3981-3988	3.5	1
115	Structural effects of stabilization and complexation of a zinc-deficient superoxide dismutase. *Heliyon*, **2021**, 7, e06100	3.6	1
114	New daily persistent headache after SARS-CoV-2 infection: a report of two cases. *Neurological Sciences*, **2021**, 42, 3965-3968	3.5	7
113	Preexisting Bipolar Disorder Influences the Subsequent Phenotype of Parkinson's Disease. *Movement Disorders*, **2021**,	7	3
112	The factitious/malingering continuum and its burden on public health costs: a review and experience in an Italian neurology setting. *Neurological Sciences*, **2021**, 42, 4073-4083	3.5	2
111	A Critical Review of Alien Limb-Related Phenomena and Implications for Functional Magnetic Resonance Imaging Studies. *Frontiers in Neurology*, **2021**, 12, 661130	4.1	0

110	Minocycline-A Lesson From a Failure. *JAMA Neurology*, **2020**, 77, 1037-1038	17.2	
109	Psychogenic Non-epileptic Seizures and Pseudo-Refractory Epilepsy, a Management Challenge. *Frontiers in Neurology*, **2020**, 11, 461	4.1	13
108	Data of safety in a single-center alemtuzumab treated population. *Data in Brief*, **2020**, 29, 105341	1.2	1
107	Posterior Variant of Alien Limb Syndrome with Sudden Clinical Onset as Self-Hitting Associated with Thalamic Stroke. *Case Reports in Neurology*, **2020**, 12, 35-39	1	4
106	Alemtuzumab treatment of multiple sclerosis in real-world clinical practice: A report from a single Italian center. *Multiple Sclerosis and Related Disorders*, **2020**, 38, 101504	4	13
105	A Neurotoxic : Glutamate, Calcium, and Zinc in the Excitotoxic Cascade. *Frontiers in Molecular Neuroscience*, **2020**, 13, 600089	6.1	10
104	High Aminobutyric Acid Content Within the Medial Prefrontal Cortex Is a Functional Signature of Somatic Symptoms Disorder in Patients With Parkinson's Disease. *Movement Disorders*, **2020**, 35, 2184-2192	7	5
103	Subclinical Cognitive and Neuropsychiatric Correlates and Hippocampal Volume Features of Brain White Matter Hyperintensity in Healthy People. *Journal of Personalized Medicine*, **2020**, 10,	3.6	3
102	Interictal Heart Rate Variability Analysis Reveals Lateralization of Cardiac Autonomic Control in Temporal Lobe Epilepsy. *Frontiers in Neurology*, **2020**, 11, 842	4.1	10
101	An Atypical Presentation of CLIPPERS, a Challenging Diagnosis of Reversible Early-Onset Dementia. *Case Reports in Neurology*, **2020**, 12, 307-313	1	
100	Acting Before; A Combined Strategy to Counteract the Onset and Progression of Dementia. *Current Alzheimer Research*, **2020**, 17, 790-804	3	1
99	A Stage-Based Approach to Therapy in Parkinson's Disease. *Biomolecules*, **2019**, 9,	5.9	28
98	Hallucinations, somatic-functional disorders of PD-DLB as expressions of thalamic dysfunction. *Movement Disorders*, **2019**, 34, 1100-1111	7	31
97	Exenatide Reverts the High-Fat-Diet-Induced Impairment of BDNF Signaling and Inflammatory Response in an Animal Model of Alzheimer's Disease. *Journal of Alzheimer's Disease*, **2019**, 70, 793-810	4.3	22
96	Elevated plasma ceramide levels in post-menopausal women: a cross-sectional study. *Aging*, **2019**, 11, 73-88	5.6	20
95	Inhibition of ceramide biosynthesis affects aging phenotype in an model of neuronal senescence. *Aging*, **2019**, 11, 6336-6357	5.6	5
94	Alzheimer disease, the road ahead. *Journal of Cellular Neuroscience and Oxidative Stress*, **2019**, 11, 6-6	0.3	
93	The Pharmacology of Visual Hallucinations in Synucleinopathies. *Frontiers in Pharmacology*, **2019**, 10, 1379	5.6	18

92	Functional signature of conversion of patients with mild cognitive impairment. *Neurobiology of Aging*, **2019**, 74, 21-37	5.6	20
91	Exenatide exerts cognitive effects by modulating the BDNF-TrkB neurotrophic axis in adult mice. *Neurobiology of Aging*, **2018**, 64, 33-43	5.6	37
90	Influence of and on Behavioral and Cognitive Features of Female Patients Affected by Mild Cognitive Impairment or Alzheimer's Disease. *Frontiers in Aging Neuroscience*, **2018**, 10, 92	5.3	4
89	Towards Combinatorial Approaches for Preserving Cognitive Fitness in Aging. *Trends in Neurosciences*, **2018**, 41, 885-897	13.3	20
88	Copper and Zinc Dysregulation in Alzheimer's Disease. *Trends in Pharmacological Sciences*, **2018**, 39, 1049-1063	13.2	112
87	The pharmacological perturbation of brain zinc impairs BDNF-related signaling and the cognitive performances of young mice. *Scientific Reports*, **2018**, 8, 9768	4.9	28
86	The Italian dementia with Lewy bodies study group (DLB-SINdem): toward a standardization of clinical procedures and multicenter cohort studies design. *Neurological Sciences*, **2017**, 38, 83-91	3.5	10
85	Modafinil-Induced Changes in Functional Connectivity in the Cortex and Cerebellum of Healthy Elderly Subjects. *Frontiers in Aging Neuroscience*, **2017**, 9, 85	5.3	6
84	Medium-chain plasma acylcarnitines, ketone levels, cognition, and gray matter volumes in healthy elderly, mildly cognitively impaired, or Alzheimer's disease subjects. *Neurobiology of Aging*, **2016**, 43, 1-12	5.6	40
83	Altered Kv2.1 functioning promotes increased excitability in hippocampal neurons of an Alzheimer's disease mouse model. *Cell Death and Disease*, **2016**, 7, e2100	9.8	51
82	Pyruvate prevents the development of age-dependent cognitive deficits in a mouse model of Alzheimer's disease without reducing amyloid and tau pathology. *Neurobiology of Disease*, **2015**, 81, 214-24	7.5	33
81	Left hippocampus-amygdala complex macro- and microstructural variation is associated with BDNF plasma levels in healthy elderly individuals. *Brain and Behavior*, **2015**, 5, e00334	3.4	8
80	Intracellular zinc is a critical intermediate in the excitotoxic cascade. *Neurobiology of Disease*, **2015**, 81, 25-37	7.5	43
79	Age-Dependent Modifications of AMPA Receptor Subunit Expression Levels and Related Cognitive Effects in 3xTg-AD Mice. *Frontiers in Aging Neuroscience*, **2014**, 6, 200	5.3	26
78	Effects of non-pharmacological or pharmacological interventions on cognition and brain plasticity of aging individuals. *Frontiers in Systems Neuroscience*, **2014**, 8, 153	3.5	29
77	Early and sustained altered expression of aging-related genes in young 3xTg-AD mice. *Cell Death and Disease*, **2014**, 5, e1054	9.8	31
76	Metal homeostasis in dementia. *Free Radical Biology and Medicine*, **2014**, 75 Suppl 1, S9	7.8	3
75	Modafinil alters intrinsic functional connectivity of the right posterior insula: a pharmacological resting state fMRI study. *PLoS ONE*, **2014**, 9, e107145	3.7	19

74	Ascertainment bias in dementias: a secondary to tertiary centre analysis in Central Italy and conceptual review. *Aging Clinical and Experimental Research*, **2013**, 25, 265-74	4.8	5
73	nNOS(+) striatal neurons, a subpopulation spared in Huntington's Disease, possess functional NMDA receptors but fail to generate mitochondrial ROS in response to an excitotoxic challenge. *Frontiers in Physiology*, **2013**, 4, 112	4.6	16
72	Exenatide promotes cognitive enhancement and positive brain metabolic changes in PS1-KI mice but has no effects in 3xTg-AD animals. *Cell Death and Disease*, **2013**, 4, e612	9.8	50
71	Characterization of resting state activity in MCI individuals. *PeerJ*, **2013**, 1, e135	3.1	32
70	Acute effects of modafinil on brain resting state networks in young healthy subjects. *PLoS ONE*, **2013**, 8, e69224	3.7	38
69	Microarray analysis of gene expression profiles in human neuroblastoma cells exposed to A□n and A□u complexes. *Future Neurology*, **2012**, 7, 483-497	1.5	
68	Characterisation of element profile changes induced by long-term dietary supplementation of zinc in the brain and cerebellum of 3xTg-AD mice by alternated cool and normal plasma ICP-MS. *Metallomics*, **2012**, 4, 1321-32	4.5	9
67	Combination training in aging individuals modifies functional connectivity and cognition, and is potentially affected by dopamine-related genes. *PLoS ONE*, **2012**, 7, e43901	3.7	52
66	The mitochondrial Na+/Ca2+ exchanger upregulates glucose dependent Ca2+ signalling linked to insulin secretion. *PLoS ONE*, **2012**, 7, e46649	3.7	52
65	Effects of long-term treatment with pioglitazone on cognition and glucose metabolism of PS1-KI, 3xTg-AD, and wild-type mice. *Cell Death and Disease*, **2012**, 3, e448	9.8	51
64	The neurophysiology and pathology of brain zinc. *Journal of Neuroscience*, **2011**, 31, 16076-85	6.6	241
63	Zinc pre-treatment enhances NMDAR-mediated excitotoxicity in cultured cortical neurons from SOD1(G93A) mouse, a model of amyotrophic lateral sclerosis. *Neuropharmacology*, **2011**, 60, 1200-8	5.5	25
62	New therapeutic targets in Alzheimer's disease: brain deregulation of calcium and zinc. *Cell Death and Disease*, **2011**, 2, e176	9.8	64
61	Microarray analysis on human neuroblastoma cells exposed to aluminum, □1-42)-amyloid or the □1-42)-amyloid aluminum complex. *PLoS ONE*, **2011**, 6, e15965	3.7	23
60	Effects of dietary supplementation of carnosine on mitochondrial dysfunction, amyloid pathology, and cognitive deficits in 3xTg-AD mice. *PLoS ONE*, **2011**, 6, e17971	3.7	125
59	Decreased numeric density of succinic dehydrogenase-positive mitochondria in CA1 pyramidal neurons of 3xTg-AD mice. *Rejuvenation Research*, **2010**, 13, 144-7	2.6	14
58	NCLX is an essential component of mitochondrial Na+/Ca2+ exchange. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 436-41	11.5	547
57	Dietary zinc supplementation of 3xTg-AD mice increases BDNF levels and prevents cognitive deficits as well as mitochondrial dysfunction. *Cell Death and Disease*, **2010**, 1, e91	9.8	127

56	Alterations of brain and cerebellar proteomes linked to A and tau pathology in a female triple-transgenic murine model of Alzheimer's disease. *Cell Death and Disease*, **2010**, 1, e90	9.8	41
55	Imaging multiple phases of neurodegeneration: a novel approach to assessing cell death in vivo. *Cell Death and Disease*, **2010**, 1, e3	9.8	90
54	The thiol-modifying agent N-ethylmaleimide elevates the cytosolic concentration of free Zn(2+) but not of Ca(2+) in murine cortical neurons. *Cell Calcium*, **2010**, 48, 37-43	4	12
53	Zinc in the physiology and pathology of the CNS. *Nature Reviews Neuroscience*, **2009**, 10, 780-91	13.5	537
52	Ratiometric-pericam-mt, a novel tool to evaluate intramitochondrial zinc. *Experimental Neurology*, **2009**, 218, 228-34	5.7	31
51	Alzheimer's disease, metal ions and metal homeostatic therapy. *Trends in Pharmacological Sciences*, **2009**, 30, 346-55	13.2	250
50	Altered oxidant-mediated intraneuronal zinc mobilization in a triple transgenic mouse model of Alzheimer's disease. *Experimental Gerontology*, **2008**, 43, 488-92	4.5	40
49	Aluminum modulates effects of beta amyloid(1-42) on neuronal calcium homeostasis and mitochondria functioning and is altered in a triple transgenic mouse model of Alzheimer's disease. *Rejuvenation Research*, **2008**, 11, 861-71	2.6	66
48	Decreased presence of perforated synapses in a triple-transgenic mouse model of Alzheimer's disease. *Rejuvenation Research*, **2008**, 11, 309-13	2.6	15
47	Mechanism and regulation of cellular zinc transport. *Molecular Medicine*, **2007**, 13, 337-43	6.2	154
46	Mild acidosis enhances AMPA receptor-mediated intracellular zinc mobilization in cortical neurons. *Molecular Medicine*, **2007**, 13, 356-61	6.2	13
45	Antioxidant strategies based on tomato-enriched food or pyruvate do not affect disease onset and survival in an animal model of amyotrophic lateral sclerosis. *Brain Research*, **2007**, 1168, 90-6	3.7	17
44	Heavy metal ions in normal physiology, toxic stress, and cytoprotection. *Annals of the New York Academy of Sciences*, **2007**, 1113, 159-72	6.5	46
43	The first 17 amino acids of Huntingtin modulate its sub-cellular localization, aggregation and effects on calcium homeostasis. *Human Molecular Genetics*, **2007**, 16, 61-77	5.6	216
42	Zinc Homeostasis and Brain Injury **2007**, 221-244		1
41	Zinc-dependent multi-conductance channel activity in mitochondria isolated from ischemic brain. *Journal of Neuroscience*, **2006**, 26, 6851-62	6.6	86
40	Oxidative stress and brain aging: is zinc the link?. *Biogerontology*, **2006**, 7, 307-14	4.5	103
39	Acidosis enhances toxicity induced by kainate and zinc exposure in aged cultured astrocytes. *Biogerontology*, **2006**, 7, 367-74	4.5	15

38	Zinc dyshomeostasis: a key modulator of neuronal injury. *Journal of Alzheimer's Disease*, **2005**, 8, 93-108; discussion 209-15	4.3	87
37	Zinc Dyshomeostasis in Neuronal Injury **2005**, 139-157		0
36	Rethinking the excitotoxic ionic milieu: the emerging role of Zn(2+) in ischemic neuronal injury. *Current Molecular Medicine*, **2004**, 4, 87-111	2.5	125
35	A sodium zinc exchange mechanism is mediating extrusion of zinc in mammalian cells. *Journal of Biological Chemistry*, **2004**, 279, 4278-84	5.4	58
34	Method for identifying neuronal cells suffering zinc toxicity by use of a novel fluorescent sensor. *Journal of Neuroscience Methods*, **2004**, 139, 79-89	3	50
33	A new mitochondrial fluorescent zinc sensor. *Cell Calcium*, **2003**, 34, 281-4	4	124
32	Zn2+, mitochondria and neuronal injury. *Journal of Neurochemistry*, **2003**, 85, 10-10	6	2
31	Modulation of mitochondrial function by endogenous Zn2+ pools. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 6157-62	11.5	351
30	Blockade of Ca2+-permeable AMPA/kainate channels decreases oxygen-glucose deprivation-induced Zn2+ accumulation and neuronal loss in hippocampal pyramidal neurons. *Journal of Neuroscience*, **2002**, 22, 1273-9	6.6	127
29	Measuring zinc in living cells. A new generation of sensitive and selective fluorescent probes. *Cell Calcium*, **2002**, 31, 245-51	4	215
28	Zn2+ currents are mediated by calcium-permeable AMPA/kainate channels in cultured murine hippocampal neurones. *Journal of Physiology*, **2002**, 543, 35-48	3.9	97
27	Brain monoglyceride lipase participating in endocannabinoid inactivation. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 10819-24	11.5	1095
26	Mitochondrial sequestration and Ca(2+)-dependent release of cytosolic Zn(2+) loads in cortical neurons. *Neurobiology of Disease*, **2002**, 10, 100-8	7.5	73
25	Zn(2+) induces permeability transition pore opening and release of pro-apoptotic peptides from neuronal mitochondria. *Journal of Biological Chemistry*, **2001**, 276, 47524-9	5.4	224
24	Carnosine as a modulator of endogenous Zn2+ effects. *Trends in Pharmacological Sciences*, **2001**, 22, 113	13.2	
23	AMPA/kainate receptor-triggered Zn2+ entry into cortical neurons induces mitochondrial Zn2+ uptake and persistent mitochondrial dysfunction. *European Journal of Neuroscience*, **2000**, 12, 3813-8	3.5	126
22	AMPA exposures induce mitochondrial Ca(2+) overload and ROS generation in spinal motor neurons in vitro. *Journal of Neuroscience*, **2000**, 20, 240-50	6.6	257
21	Nitric oxide reduces Ca(2+) and Zn(2+) influx through voltage-gated Ca(2+) channels and reduces Zn(2+) neurotoxicity. *Neuroscience*, **2000**, 100, 651-61	3.9	29

20	Zn(2+): a novel ionic mediator of neural injury in brain disease. *Trends in Pharmacological Sciences*, **2000**, 21, 395-401	13.2	483
19	Ca2+-Zn2+ permeable AMPA or kainate receptors: possible key factors in selective neurodegeneration. *Trends in Neurosciences*, **2000**, 23, 365-71	13.3	211
18	Preferential Zn2+ influx through Ca2+-permeable AMPA/kainate channels triggers prolonged mitochondrial superoxide production. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 2414-9	11.5	345
17	Dendritic localization of Ca2+-permeable AMPA/kainate channels in hippocampal pyramidal neurons. *Journal of Comparative Neurology*, **1999**, 409, 250-260	3.4	71
16	Calcium ionophores can induce either apoptosis or necrosis in cultured cortical neurons. *Neuroscience*, **1999**, 90, 1339-48	3.9	103
15	Characterization of MPP(+)-induced cell death in a dopaminergic neuronal cell line: role of macromolecule synthesis, cytosolic calcium, caspase, and Bcl-2-related proteins. *Experimental Neurology*, **1999**, 159, 274-82	5.7	43
14	Glutamate triggers preferential Zn2+ flux through Ca2+ permeable AMPA channels and consequent ROS production. *NeuroReport*, **1999**, 10, 1723-7	1.7	54
13	Involvement of de novo ceramide biosynthesis in tumor necrosis factor-alpha/cycloheximide-induced cerebral endothelial cell death. *Journal of Biological Chemistry*, **1998**, 273, 16521-6	5.4	152
12	Extracellular acidity potentiates AMPA receptor-mediated cortical neuronal death. *Journal of Neuroscience*, **1998**, 18, 6290-9	6.6	52
11	Rapid Ca2+ entry through Ca2+-permeable AMPA/Kainate channels triggers marked intracellular Ca2+ rises and consequent oxygen radical production. *Journal of Neuroscience*, **1998**, 18, 7727-38	6.6	184
10	Mediation of neuronal apoptosis by enhancement of outward potassium current. *Science*, **1997**, 278, 114-7	33.3	530
9	Measurement of intracellular free zinc in living neurons. *Neurobiology of Disease*, **1997**, 4, 275-9	7.5	62
8	Sublethal oxygen-glucose deprivation alters hippocampal neuronal AMPA receptor expression and vulnerability to kainate-induced death. *Journal of Neuroscience*, **1997**, 17, 9536-44	6.6	60
7	Measurement of intracellular free zinc in living cortical neurons: routes of entry. *Journal of Neuroscience*, **1997**, 17, 9554-64	6.6	400
6	Glutamate receptor-mediated calcium entry in neurons derived from P19 embryonal carcinoma cells. *Journal of Neuroscience Research*, **1996**, 45, 226-36	4.4	15
5	Staurosporine-induced neuronal apoptosis. *Experimental Neurology*, **1995**, 135, 153-9	5.7	213
4	3-Nitropropionic acid induces apoptosis in cultured striatal and cortical neurons. *NeuroReport*, **1995** , 6, 545-8	1.7	103
3	Delayed application of aurintricarboxylic acid reduces glutamate-induced cortical neuronal injury. *Journal of Neuroscience Research*, **1994**, 38, 101-8	4.4	50

2	Cortical neurones exhibiting kainate-activated Co2+ uptake are selectively vulnerable to AMPA/kainate receptor-mediated toxicity. *Neurobiology of Disease*, **1994**, 1, 101-10	7.5	56
1	Exenatide reverts the high-fat-diet-induced impairment of BDNF signaling and inflammatory response in an animal model of Alzheimer disease		2