Silvia Fossati

List of Publications by Year
in descending order

53	2,421	201674	233421
papers	citations	27 h-index	45 g-index

57	57	57	3981
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Beta-Amyloid Instigates Dysfunction of Mitochondria in Cardiac Cells. Cells, 2022, 11, 373.	4.1	15
2	Comparative analysis of mitochondrial CRC in permeabilized cells and isolated cell mitochondria. FASEB Journal, 2022, 36, .	0.5	0
3	CRF serum levels differentiate PTSD from healthy controls and TBI in military veterans. Psychiatric Research and Clinical Practice, 2021, 3, 153-162.	2.4	7
4	Reader Response: Blood Biomarkers of Traumatic Brain Injury and Cognitive Impairment in Older Veterans. Neurology, 2021, 97, 101.1-101.	1.1	0
5	Dissecting the Crosstalk between Endothelial Mitochondrial Damage, Vascular Inflammation, and Neurodegeneration in Cerebral Amyloid Angiopathy and Alzheimerâ€™s Disease. Cells, 2021, 10, 2903.	4.1	36
6	Carbonic Anhydrases as Potential Targets Against Neurovascular Unit Dysfunction in Alzheimerâ€™s Disease and Stroke. Frontiers in Aging Neuroscience, 2021, 13, 772278.	3.4	27
7	Analysis of Mitochondrial Calcium Retention Capacity in Cultured Cells: Permeabilized Cells Versus Isolated Mitochondria. Frontiers in Physiology, 2021, 12, 773839.	2.8	7
8	Clearance of interstitial fluid (ISF) and CSF (CLIC) groupâ€”part of Vascular Professional Interest Area (PIA). Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12053.	2.4	53
9	Vascular dysfunction in CAA in the presence of cardiovascular risk factors: The role of the mitochondria and therapeutic approaches. Alzheimer's and Dementia, 2020, 16, e043944.	0.8	0
10	Carbonic anhydrase inhibition ameliorates AÎ²â€‰induced neurovascular dysfunction in vivo. Alzheimer's and Dementia, 2020, 16, e044221.	0.8	1
11	Alzheimerâ€™s amyloid Î² heterogeneous species differentially affect brain endothelial cell viability, bloodâ€brain barrier integrity, and angiogenesis. Aging Cell, 2020, 19, e13258.	6.7	39
12	Editorial: Identification of Multiple Targets in the Fight Against Alzheimer's Disease. Frontiers in Aging Neuroscience, 2020, 12, 169.	3.4	3
13	Effect of Combat Exposure and Posttraumatic Stress Disorder on Telomere Length and Amygdala Volume. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 678-687.	1.5	10
14	Impact of Tau on Neurovascular Pathology in Alzheimer's Disease. Frontiers in Neurology, 2020, 11, 573324.	2.4	24
15	Plasma tau predicts cerebral vulnerability in aging. Aging, 2020, 12, 21004-21022.	3.1	5
16	Endothelial Mitochondrial Dysfunction in Cerebral Amyloid Angiopathy and Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2019, 72, 1019-1039.	2.6	72
17	Plasma tau complements CSF tau and Pâ€tau in the diagnosis of Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 483-492.	2.4	86
18	Poster Viewing Sessions PB01-B01 to PB03-V09. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 167-523.	4.3	7

#	Article	IF	Citations
19	A New Kid on the Block? Carbonic Anhydrases as Possible New Targets in Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2019, 20, 4724.	4.1	61
20	White matter hyperintensities in vascular contributions to cognitive impairment and dementia (VCID): Knowledge gaps and opportunities. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2019, 5, 107-117.	3.7	250
21	Using fMRI connectivity to define a treatment-resistant form of post-traumatic stress disorder. Science Translational Medicine, 2019, 11, .	12.4	65
22	T16. Discovery of Novel Blood Biomarkers for PTSD and TBI. Biological Psychiatry, 2018, 83, S134-S135.	1.3	0
23	Traumatic Brain Injury and Alzheimer's Disease: The Cerebrovascular Link. EBioMedicine, 2018, 28, 21-30.	6.1	250
24	P3â€464: CARBONIC ANHYDRASE INHIBITORS AMELIORATE NEUROVASCULAR DYSFUNCTION IN A MOUSE MODEL OF CEREBRAL AMYLOID ANGIOPATHY. Alzheimer's and Dementia, 2018, 14, P1296.	0.8	12
25	Carbonic anhydrase inhibition selectively prevents amyloid Î² neurovascular mitochondrial toxicity. Aging Cell, 2018, 17, e12787.	6.7	64
26	The nonlinear relationship between cerebrospinal fluid AÎ²42 and tau in preclinical Alzheimerâ€™s disease. PLoS ONE, 2018, 13, e0191240.	2.5	41
27	Cerebrospinal Fluid Clearance in Alzheimer Disease Measured with Dynamic PET. Journal of Nuclear Medicine, 2017, 58, 1471-1476.	5.0	161
28	[P4â€“133]: DIFFERENTIAL VALUE OF PLASMA TAU AS A BIOMARKER FOR ALZHEIMER'S DISEASE AND CHRONIC TRAUMATIC BRAIN INJURY. Alzheimer's and Dementia, 2017, 13, P1307.	0.8	3
29	P2â€099: Carbonic Anhydrase is a Crucial Target for Prevention of Mitochondrial Pathology in Alzheimerâ€™s Models. Alzheimer's and Dementia, 2016, 12, P650.	0.8	0
30	The carbonic anhydrase inhibitor methazolamide prevents amyloid beta-induced mitochondrial dysfunction and caspase activation protecting neuronal and glial cells in vitro and in the mouse brain. Neurobiology of Disease, 2016, 86, 29-40.	4.4	73
31	Greater Specificity for Cerebrospinal Fluid P-tau231 over P-tau181 in the Differentiation of Healthy Controls from Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2015, 49, 93-100.	2.6	35
32	P4-209: Methazolamide protects neuronal and glial cells from amyloid toxicity in vitro and in vivo via mitochondria-mediated mechanisms. , 2015, 11, P860-P861.		0
33	Mitochondrial dysfunction induced by a post-translationally modified amyloid linked to a familial mutation in an alternative model of neurodegeneration. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 2457-2467.	3.8	14
34	Amyloidosis Associated with Cerebral Amyloid Angiopathy: Cell Signaling Pathways Elicited in Cerebral Endothelial Cells. Journal of Alzheimer's Disease, 2014, 42, S167-S176.	2.6	49
35	O2-12-01: MITOCHONDRIA AND DEATH RECEPTORS: KEY TARGETS FOR AMYLOID TOXICITY IN THE CEREBRAL VASCULATURE. , 2014, 10, P191-P191.		0
36	Differential contribution of isoaspartate post-translational modifications to the fibrillization and toxic properties of amyloid Î² and the Asn23 Iowa mutation. Biochemical Journal, 2013, 456, 347-360.	3.7	39

#	Article	IF	Citations
37	TRAIL death receptors DR4 and DR5 mediate cerebral microvascular endothelial cell apoptosis induced by oligomeric Alzheimerâ€™s Aî². Cell Death and Disease, 2012, 3, e321-e321.	6.3	66
38	Insights into Caspase-Mediated Apoptotic Pathways Induced by Amyloid-î² in Cerebral Microvascular Endothelial Cells. Neurodegenerative Diseases, 2012, 10, 324-328.	1.4	41
39	Amyloid beta oligomers trigger death receptorsâ€mediated apoptosis in cerebral endothelial cells. FASEB Journal, 2012, 26, 752.8.	0.5	0
40	Differential activation of mitochondrial apoptotic pathways by vasculotropic amyloidâ€î² variants in cells composing the cerebral vessel walls. FASEB Journal, 2010, 24, 229-241.	0.5	74
41	Matrix Metalloproteinase 2 (MMP-2) Degrades Soluble Vasculotropic Amyloid-î² E22Q and L34V Mutants, Delaying Their Toxicity for Human Brain Microvascular Endothelial Cells. Journal of Biological Chemistry, 2010, 285, 27144-27158.	3.4	43
42	Histone deacetylase (HDAC) inhibitors reduce the glial inflammatory response in vitro and in vivo. Neurobiology of Disease, 2009, 36, 269-279.	4.4	123
43	Dutch and arctic mutant peptides of î² amyloid1â€“40 differentially affect the FGF-2 pathway in brain endothelium. Experimental Cell Research, 2009, 315, 385-395.	2.6	39
44	Tauroursodeoxycholic acid prevents E22Q Alzheimerâ€™s Aî² toxicity in human cerebral endothelial cells. Cellular and Molecular Life Sciences, 2009, 66, 1094-1104.	5.4	57
45	A Key Role for Poly(ADP-Ribose) Polymerase-1 Activity during Human Dendritic Cell Maturation. Journal of Immunology, 2007, 179, 305-312.	0.8	57
46	Relevance of Highâ€Mobility Group Protein Box 1 to Neurodegeneration. International Review of Neurobiology, 2007, 82, 137-148.	2.0	16
47	Carboxymethyl î²-glucan Binds to Corneal Epithelial Cells and Increases Cell Adhesion to Laminin and Resistance to Oxidative Stress. Cornea, 2007, 26, 73-79.	1.7	4
48	Neither energy collapse nor transcription underlie in vitro neurotoxicity of poly(ADP-ribose) polymerase hyper-activation. Neurochemistry International, 2007, 50, 203-210.	3.8	28
49	Kynurenic acid actions in brain and periphery. International Congress Series, 2007, 1304, 305-313.	0.2	22
50	High mobility group box 1 protein is released by neural cells upon different stresses and worsens ischemic neurodegeneration in vitro and in vivo. Journal of Neurochemistry, 2007, 103, 590-603.	3.9	204
51	Poly(ADP-ribosyl)ation regulates heat shock factor-1 activity and the heat shock response in murine fibroblasts. Biochemistry and Cell Biology, 2006, 84, 703-712.	2.0	24
52	Poly(ADP-ribose) Accumulation and Enhancement of Postischemic Brain Damage in 110-kDa Poly(ADP-ribose) Glycohydrolase Null Mice. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 684-695.	4.3	65
53	Inhibition of Poly(ADP-Ribose) Glycohydrolase by Gallotannin Selectively Up-Regulates Expression of Proinflammatory Genes. Molecular Pharmacology, 2004, 66, 890-898.	2.3	49