Silvia Leoncini

List of Publications by Year in Descending Order

74 papers	2,499 citations	29 h-index	49 g-index
78 ext. papers	2,979 ext. citations	5 avg, IF	4.38 L-index

#	Paper	IF	Citations
74	Breathing Abnormalities During Sleep and Wakefulness in Rett Syndrome: Clinical Relevance and Paradoxical Relationship With Circulating Pro-oxidant Markers.. *Frontiers in Neurology*, **2022**, 13, 833239	4.1	1
73	Defective proteasome biogenesis into skin fibroblasts isolated from Rett syndrome subjects with MeCP2 non-sense mutations. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2020**, 1866, 165793	6.9	8
72	Protective role of mirtazapine in adult female Mecp2 mice and patients with Rett syndrome. *Journal of Neurodevelopmental Disorders*, **2020**, 12, 26	4.6	4
71	Brain protein changes in Mecp2 mouse mutant models: Effects on disease progression of Mecp2 brain specific gene reactivation. *Journal of Proteomics*, **2020**, 210, 103537	3.9	4
70	Increased isoprostanoid levels in brain from murine model of Krabbe disease - Relevance of isoprostanes, dihomo-isoprostanes and neuroprostanes to disease severity. *Free Radical Biology and Medicine*, **2019**, 139, 46-54	7.8	5
69	Intestinal Candida parapsilosis isolates from Rett syndrome subjects bear potential virulent traits and capacity to persist within the host. *BMC Gastroenterology*, **2018**, 18, 57	3	6
68	Isoprostanoids in Clinical and Experimental Neurological Disease Models. *Antioxidants*, **2018**, 7,	7.1	7
67	Relevance of 4-F-neuroprostane and 10-F-neuroprostane to neurological diseases. *Free Radical Biology and Medicine*, **2018**, 115, 278-287	7.8	21
66	Proteomic analysis of the Rett syndrome experimental model mecp2 mutant zebrafish. *Journal of Proteomics*, **2017**, 154, 128-133	3.9	10
65	New evidences on the altered gut microbiota in autism spectrum disorders. *Microbiome*, **2017**, 5, 24	16.6	419
64	Inflammatory protein response in CDKL5-Rett syndrome: evidence of a subclinical smouldering inflammation. *Inflammation Research*, **2017**, 66, 269-280	7.2	7
63	Persistent Unresolved Inflammation in the -308 Female Mutated Mouse Model of Rett Syndrome. *Mediators of Inflammation*, **2017**, 2017, 9467819	4.3	12
62	Increased non-protein bound iron in Down syndrome: contribution to lipid peroxidation and cognitive decline. *Free Radical Research*, **2016**, 50, 1422-1431	4	10
61	Altered gut microbiota in Rett syndrome. *Microbiome*, **2016**, 4, 41	16.6	69
60	Rett syndrome: An autoimmune disease?. *Autoimmunity Reviews*, **2016**, 15, 411-6	13.6	15
59	Abnormal N-glycosylation pattern for brain nucleotide pyrophosphatase-5 (NPP-5) in Mecp2-mutant murine models of Rett syndrome. *Neuroscience Research*, **2016**, 105, 28-34	2.9	5
58	MECP2 Duplication Syndrome: Evidence of Enhanced Oxidative Stress. A Comparison with Rett Syndrome. *PLoS ONE*, **2016**, 11, e0150101	3.7	15

57	Erythrocyte Cytoskeletal-plasma Membrane Protein Network in Rett Syndrome: Effects of .-3 Polyunsaturated Fatty Acids. *Current Proteomics*, **2016**, 12, 217-226	0.7	5
56	Expression and oxidative modifications of plasma proteins in autism spectrum disorders: Interplay between inflammatory response and lipid peroxidation. *Proteomics - Clinical Applications*, **2016**, 10, 1103-1112	3.1	25
55	Alteration of serum lipid profile, SRB1 loss, and impaired Nrf2 activation in CDKL5 disorder. *Free Radical Biology and Medicine*, **2015**, 86, 156-65	7.8	15
54	Oxidative stress: a hallmark of Rett syndrome. *Future Neurology*, **2015**, 10, 179-182	1.5	4
53	Cytokine Dysregulation in MECP2- and CDKL5-Related Rett Syndrome: Relationships with Aberrant Redox Homeostasis, Inflammation, and EB PUFAs. *Oxidative Medicine and Cellular Longevity*, **2015**, 2015, 421624	6.7	42
52	MtDNA mutagenesis impairs elimination of mitochondria during erythroid maturation leading to enhanced erythrocyte destruction. *Nature Communications*, **2015**, 6, 6494	17.4	39
51	Red blood cells in Rett syndrome: oxidative stress, morphological changes and altered membrane organization. *Biological Chemistry*, **2015**, 396, 1233-40	4.5	11
50	Pathology of perinatal brain damage: background and oxidative stress markers. *Archives of Gynecology and Obstetrics*, **2014**, 290, 13-20	2.5	20
49	Altered erythrocyte membrane fatty acid profile in typical Rett syndrome: effects of omega-3 polyunsaturated fatty acid supplementation. *Prostaglandins Leukotrienes and Essential Fatty Acids*, **2014**, 91, 183-93	2.8	23
48	Oxidative brain damage in Mecp2-mutant murine models of Rett syndrome. *Neurobiology of Disease*, **2014**, 68, 66-77	7.5	86
47	Redox imbalance and morphological changes in skin fibroblasts in typical Rett syndrome. *Oxidative Medicine and Cellular Longevity*, **2014**, 2014, 195935	6.7	36
46	Effects of EB PUFAs supplementation on myocardial function and oxidative stress markers in typical Rett syndrome. *Mediators of Inflammation*, **2014**, 2014, 983178	4.3	16
45	Subclinical inflammatory status in Rett syndrome. *Mediators of Inflammation*, **2014**, 2014, 480980	4.3	45
44	Inflammatory lung disease in Rett syndrome. *Mediators of Inflammation*, **2014**, 2014, 560120	4.3	18
43	Scavenger Receptor B1 oxidative post-translational modifications are responsible for its loss in Rett syndrome. *Free Radical Biology and Medicine*, **2014**, 75 Suppl 1, S10-1	7.8	3
42	Immune dysfunction in Rett syndrome patients revealed by high levels of serum anti-N(Glc) IgM antibody fraction. *Journal of Immunology Research*, **2014**, 2014, 260973	4.5	10
41	Beta-actin deficiency with oxidative posttranslational modifications in Rett syndrome erythrocytes: insights into an altered cytoskeletal organization. *PLoS ONE*, **2014**, 9, e93181	3.7	12
40	Biomarkers of Lipid Oxidative Damage in Rett Syndrome **2014**, 2617-2632		

39	Neuroprostanes and Neurological Severity in Rett Syndrome **2014**, 2633-2645		
38	4HNE Protein Adducts in Autistic Spectrum Disorders: Rett Syndrome and Autism **2014**, 2667-2687		1
37	Erythrocyte caspase-3 activation and oxidative imbalance in erythrocytes and in plasma of type 2 diabetic patients. *Acta Diabetologica*, **2013**, 50, 489-95	3.9	160
36	Non-protein-bound iron and 4-hydroxynonenal protein adducts in classic autism. *Brain and Development*, **2013**, 35, 146-54	2.2	36
35	The role of preoperative oxidative stress and mandibular third molar postoperative outcome. *International Journal of Oral and Maxillofacial Surgery*, **2013**, 42, 1499-500	2.9	2
34	Scavenger receptor B1 post-translational modifications in Rett syndrome. *FEBS Letters*, **2013**, 587, 2199-204	3.6	42
33	F(2)-Dihomo-isoprostanes and brain white matter damage in stage 1 Rett syndrome. *Biochimie*, **2013**, 95, 86-90	4.6	29
32	A plasma proteomic approach in Rett syndrome: classical versus preserved speech variant. *Mediators of Inflammation*, **2013**, 2013, 438653	4.3	9
31	Erythrocyte shape abnormalities, membrane oxidative damage, and β-actin alterations: an unrecognized triad in classical autism. *Mediators of Inflammation*, **2013**, 2013, 432616	4.3	31
30	Genes related to mitochondrial functions, protein degradation, and chromatin folding are differentially expressed in lymphomonocytes of Rett syndrome patients. *Mediators of Inflammation* , **2013**, 2013, 137629	4.3	44
29	Effects of ω3 polyunsaturated fatty acids on plasma proteome in Rett syndrome. *Mediators of Inflammation*, **2013**, 2013, 723269	4.3	10
28	Isoprostanes and 4-hydroxy-2-nonenal: markers or mediators of disease? Focus on Rett syndrome as a model of autism spectrum disorder. *Oxidative Medicine and Cellular Longevity*, **2013**, 2013, 343824	6.7	31
27	Revealing the complexity of a monogenic disease: rett syndrome exome sequencing. *PLoS ONE*, **2013**, 8, e56599	3.7	45
26	Fatty Acids and Autism Spectrum Disorders: The Rett Syndrome Conundrum. *Food and Nutrition Sciences (Print)*, **2013**, 04, 71-75	0.4	3
25	The role of oxidative stress in Rett syndrome: an overview. *Annals of the New York Academy of Sciences*, **2012**, 1259, 121-35	6.5	72
24	Morphological changes and oxidative damage in Rett Syndrome erythrocytes. *Biochimica Et Biophysica Acta - General Subjects*, **2012**, 1820, 511-20	4	38
23	F2-Isoprostanes in soft oral tissues and degree of oral disability after mandibular third molar surgery. *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology*, **2012**, 114, 344-9	2	2
22	Partial rescue of Rett syndrome by ω3 polyunsaturated fatty acids (PUFAs) oil. *Genes and Nutrition*, **2012**, 7, 447-58	4.3	68

21	Subclinical myocardial dysfunction in Rett syndrome. *European Heart Journal Cardiovascular Imaging*, **2012**, 13, 339-45	4.1	30
20	F-neuroprostanes mediate neurological severity in Rett syndrome. *Clinica Chimica Acta*, **2011**, 412, 1399-406	3.2	63
19	Increased levels of 4HNE-protein plasma adducts in Rett syndrome. *Clinical Biochemistry*, **2011**, 44, 368-71	2.5	56
18	F2-dihomo-isoprostanes as potential early biomarkers of lipid oxidative damage in Rett syndrome. *Journal of Lipid Research*, **2011**, 52, 2287-2297	6.3	72
17	Oxidative stress in Rett syndrome: natural history, genotype, and variants. *Redox Report*, **2011**, 16, 145-53	3.9	59
16	Unrecognized lung disease in classic Rett syndrome: a physiologic and high-resolution CT imaging study. *Chest*, **2010**, 138, 386-92	5.3	24
15	Ethanol-induced oxidative stress: basic knowledge. *Genes and Nutrition*, **2010**, 5, 101-9	4.3	101
14	The effects of hypoxia/reoxygenation on the physiological behaviour of U373-MG astrocytes. *Neurochemical Research*, **2010**, 35, 42-9	4.6	3
13	The physiological behaviour of IMR-32 neuroblastoma cells is affected by a 12-h hypoxia/24-h reoxygenation period. *Neurochemical Research*, **2010**, 35, 1691-9	4.6	5
12	Effects of 50 Hz electromagnetic fields on rat cortical synaptosomes. *Toxicology and Industrial Health*, **2009**, 25, 249-52	1.8	9
11	Systemic oxidative stress in classic Rett syndrome. *Free Radical Biology and Medicine*, **2009**, 47, 440-8	7.8	108
10	Free iron, total F-isoprostanes and total F-neuroprostanes in a model of neonatal hypoxic-ischemic encephalopathy: neuroprotective effect of melatonin. *Journal of Pineal Research*, **2009**, 46, 148-54	10.4	62
9	Oxidative stress, erythrocyte ageing and plasma non-protein-bound iron in diabetic patients. *Free Radical Research*, **2008**, 42, 716-24	4	12
8	Plasma esterified F2-isoprostanes and oxidative stress in newborns: role of nonprotein-bound iron. *Pediatric Research*, **2008**, 63, 287-91	3.2	43
7	Iron and Erythrocytes: Physiological and Pathophysiological Aspects **2008**, 167-181		
6	Hypoxia affects the physiological behavior of rat cortical synaptosomes. *Free Radical Biology and Medicine*, **2007**, 42, 1749-56	7.8	11
5	Oxidative stress and autologous immunoglobulin G binding to band 3 dimers in newborn erythrocytes. *Free Radical Biology and Medicine*, **2006**, 40, 907-15	7.8	13
4	Hypoxia-induced post-translational changes in red blood cell protein map of newborns. *Pediatric Research*, **2005**, 58, 660-5	3.2	13

3	Plasma F2-isoprostanes are elevated in newborns and inversely correlated to gestational age. *Free Radical Biology and Medicine*, **2004**, 37, 724-32	7.8	82
2	Iron release, superoxide production and binding of autologous IgG to band 3 dimers in newborn and adult erythrocytes exposed to hypoxia and hypoxia-reoxygenation. *Biochimica Et Biophysica Acta - General Subjects*, **2004**, 1672, 203-13	4	39
1	Iron release in erythrocytes and plasma non protein-bound iron in hypoxic and non hypoxic newborns. *Free Radical Research*, **2003**, 37, 51-8	4	42