

# Silvia Leoncini

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	New evidences on the altered gut microbiota in autism spectrum disorders. <i>Microbiome</i> , <b>2017</b> , 5, 24	16.6	419
73	Erythrocyte caspase-3 activation and oxidative imbalance in erythrocytes and in plasma of type 2 diabetic patients. <i>Acta Diabetologica</i> , <b>2013</b> , 50, 489-95	3.9	160
72	Systemic oxidative stress in classic Rett syndrome. <i>Free Radical Biology and Medicine</i> , <b>2009</b> , 47, 440-8	7.8	108
71	Ethanol-induced oxidative stress: basic knowledge. <i>Genes and Nutrition</i> , <b>2010</b> , 5, 101-9	4.3	101
70	Oxidative brain damage in Mecp2-mutant murine models of Rett syndrome. <i>Neurobiology of Disease</i> , <b>2014</b> , 68, 66-77	7.5	86
69	Plasma F2-isoprostanes are elevated in newborns and inversely correlated to gestational age. <i>Free Radical Biology and Medicine</i> , <b>2004</b> , 37, 724-32	7.8	82
68	The role of oxidative stress in Rett syndrome: an overview. <i>Annals of the New York Academy of Sciences</i> , <b>2012</b> , 1259, 121-35	6.5	72
67	F2-dihomo-isoprostanes as potential early biomarkers of lipid oxidative damage in Rett syndrome. <i>Journal of Lipid Research</i> , <b>2011</b> , 52, 2287-2297	6.3	72
66	Altered gut microbiota in Rett syndrome. <i>Microbiome</i> , <b>2016</b> , 4, 41	16.6	69
65	Partial rescue of Rett syndrome by EB polyunsaturated fatty acids (PUFAs) oil. <i>Genes and Nutrition</i> , <b>2012</b> , 7, 447-58	4.3	68
64	F2-neuroprostanes mediate neurological severity in Rett syndrome. <i>Clinica Chimica Acta</i> , <b>2011</b> , 412, 1399-406	4.6	63
63	Free iron, total F-isoprostanes and total F-neuroprostanes in a model of neonatal hypoxic-ischemic encephalopathy: neuroprotective effect of melatonin. <i>Journal of Pineal Research</i> , <b>2009</b> , 46, 148-54	10.4	62
62	Oxidative stress in Rett syndrome: natural history, genotype, and variants. <i>Redox Report</i> , <b>2011</b> , 16, 145-53	3.9	59
61	Increased levels of 4HNE-protein plasma adducts in Rett syndrome. <i>Clinical Biochemistry</i> , <b>2011</b> , 44, 368-71	3.5	56
60	Subclinical inflammatory status in Rett syndrome. <i>Mediators of Inflammation</i> , <b>2014</b> , 2014, 480980	4.3	45
59	Revealing the complexity of a monogenic disease: rett syndrome exome sequencing. <i>PLoS ONE</i> , <b>2013</b> , 8, e56599	3.7	45
58	Genes related to mitochondrial functions, protein degradation, and chromatin folding are differentially expressed in lymphomonocytes of Rett syndrome patients. <i>Mediators of Inflammation</i> , <b>2013</b> , 2013, 137629	4.3	44

57	Plasma esterified F2-isoprostanes and oxidative stress in newborns: role of nonprotein-bound iron. <i>Pediatric Research</i> , <b>2008</b> , 63, 287-91	3.2	43
56	Cytokine Dysregulation in MECP2- and CDKL5-Related Rett Syndrome: Relationships with Aberrant Redox Homeostasis, Inflammation, and $\Omega$ PUFAs. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2015</b> , 2015, 421624	6.7	42
55	Scavenger receptor B1 post-translational modifications in Rett syndrome. <i>FEBS Letters</i> , <b>2013</b> , 587, 2199-204	3.8	42
54	Iron release in erythrocytes and plasma non protein-bound iron in hypoxic and non hypoxic newborns. <i>Free Radical Research</i> , <b>2003</b> , 37, 51-8	4	42
53	MtDNA mutagenesis impairs elimination of mitochondria during erythroid maturation leading to enhanced erythrocyte destruction. <i>Nature Communications</i> , <b>2015</b> , 6, 6494	17.4	39
52	Iron release, superoxide production and binding of autologous IgG to band 3 dimers in newborn and adult erythrocytes exposed to hypoxia and hypoxia-reoxygenation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2004</b> , 1672, 203-13	4	39
51	Morphological changes and oxidative damage in Rett Syndrome erythrocytes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2012</b> , 1820, 511-20	4	38
50	Non-protein-bound iron and 4-hydroxynonenal protein adducts in classic autism. <i>Brain and Development</i> , <b>2013</b> , 35, 146-54	2.2	36
49	Redox imbalance and morphological changes in skin fibroblasts in typical Rett syndrome. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2014</b> , 2014, 195935	6.7	36
48	Erythrocyte shape abnormalities, membrane oxidative damage, and F-actin alterations: an unrecognized triad in classical autism. <i>Mediators of Inflammation</i> , <b>2013</b> , 2013, 432616	4.3	31
47	Isoprostanes and 4-hydroxy-2-nonenal: markers or mediators of disease? Focus on Rett syndrome as a model of autism spectrum disorder. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2013</b> , 2013, 343824	6.7	31
46	Subclinical myocardial dysfunction in Rett syndrome. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2012</b> , 13, 339-45	4.1	30
45	F(2)-Dihomo-isoprostanes and brain white matter damage in stage 1 Rett syndrome. <i>Biochimie</i> , <b>2013</b> , 95, 86-90	4.6	29
44	Expression and oxidative modifications of plasma proteins in autism spectrum disorders: Interplay between inflammatory response and lipid peroxidation. <i>Proteomics - Clinical Applications</i> , <b>2016</b> , 10, 1103-1112	3.1	25
43	Unrecognized lung disease in classic Rett syndrome: a physiologic and high-resolution CT imaging study. <i>Chest</i> , <b>2010</b> , 138, 386-92	5.3	24
42	Altered erythrocyte membrane fatty acid profile in typical Rett syndrome: effects of omega-3 polyunsaturated fatty acid supplementation. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , <b>2014</b> , 91, 183-93	2.8	23
41	Relevance of 4-F-neuroprostane and 10-F-neuroprostane to neurological diseases. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 115, 278-287	7.8	21
40	Pathology of perinatal brain damage: background and oxidative stress markers. <i>Archives of Gynecology and Obstetrics</i> , <b>2014</b> , 290, 13-20	2.5	20

39	Inflammatory lung disease in Rett syndrome. <i>Mediators of Inflammation</i> , <b>2014</b> , 2014, 560120	4.3	18
38	Effects of $\Omega$ 3 PUFAs supplementation on myocardial function and oxidative stress markers in typical Rett syndrome. <i>Mediators of Inflammation</i> , <b>2014</b> , 2014, 983178	4.3	16
37	Alteration of serum lipid profile, SRB1 loss, and impaired Nrf2 activation in CDKL5 disorder. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 86, 156-65	7.8	15
36	Rett syndrome: An autoimmune disease?. <i>Autoimmunity Reviews</i> , <b>2016</b> , 15, 411-6	13.6	15
35	MECP2 Duplication Syndrome: Evidence of Enhanced Oxidative Stress. A Comparison with Rett Syndrome. <i>PLoS ONE</i> , <b>2016</b> , 11, e0150101	3.7	15
34	Oxidative stress and autologous immunoglobulin G binding to band 3 dimers in newborn erythrocytes. <i>Free Radical Biology and Medicine</i> , <b>2006</b> , 40, 907-15	7.8	13
33	Hypoxia-induced post-translational changes in red blood cell protein map of newborns. <i>Pediatric Research</i> , <b>2005</b> , 58, 660-5	3.2	13
32	Persistent Unresolved Inflammation in the -308 Female Mutated Mouse Model of Rett Syndrome. <i>Mediators of Inflammation</i> , <b>2017</b> , 2017, 9467819	4.3	12
31	Oxidative stress, erythrocyte ageing and plasma non-protein-bound iron in diabetic patients. <i>Free Radical Research</i> , <b>2008</b> , 42, 716-24	4	12
30	Beta-actin deficiency with oxidative posttranslational modifications in Rett syndrome erythrocytes: insights into an altered cytoskeletal organization. <i>PLoS ONE</i> , <b>2014</b> , 9, e93181	3.7	12
29	Red blood cells in Rett syndrome: oxidative stress, morphological changes and altered membrane organization. <i>Biological Chemistry</i> , <b>2015</b> , 396, 1233-40	4.5	11
28	Hypoxia affects the physiological behavior of rat cortical synaptosomes. <i>Free Radical Biology and Medicine</i> , <b>2007</b> , 42, 1749-56	7.8	11
27	Proteomic analysis of the Rett syndrome experimental model mecp2 mutant zebrafish. <i>Journal of Proteomics</i> , <b>2017</b> , 154, 128-133	3.9	10
26	Increased non-protein bound iron in Down syndrome: contribution to lipid peroxidation and cognitive decline. <i>Free Radical Research</i> , <b>2016</b> , 50, 1422-1431	4	10
25	Immune dysfunction in Rett syndrome patients revealed by high levels of serum anti-N(Glc) IgM antibody fraction. <i>Journal of Immunology Research</i> , <b>2014</b> , 2014, 260973	4.5	10
24	Effects of $\Omega$ 3 polyunsaturated fatty acids on plasma proteome in Rett syndrome. <i>Mediators of Inflammation</i> , <b>2013</b> , 2013, 723269	4.3	10
23	A plasma proteomic approach in Rett syndrome: classical versus preserved speech variant. <i>Mediators of Inflammation</i> , <b>2013</b> , 2013, 438653	4.3	9
22	Effects of 50 Hz electromagnetic fields on rat cortical synaptosomes. <i>Toxicology and Industrial Health</i> , <b>2009</b> , 25, 249-52	1.8	9

21	Defective proteasome biogenesis into skin fibroblasts isolated from Rett syndrome subjects with MeCP2 non-sense mutations. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2020</b> , 1866, 1657-93	6.9	8
20	Inflammatory protein response in CDKL5-Rett syndrome: evidence of a subclinical smouldering inflammation. <i>Inflammation Research</i> , <b>2017</b> , 66, 269-280	7.2	7
19	Isoprostanooids in Clinical and Experimental Neurological Disease Models. <i>Antioxidants</i> , <b>2018</b> , 7,	7.1	7
18	Intestinal <i>Candida parapsilosis</i> isolates from Rett syndrome subjects bear potential virulent traits and capacity to persist within the host. <i>BMC Gastroenterology</i> , <b>2018</b> , 18, 57	3	6
17	Increased isoprostanooid levels in brain from murine model of Krabbe disease - Relevance of isoprostanes, dihom-isoprostanes and neuroprostanes to disease severity. <i>Free Radical Biology and Medicine</i> , <b>2019</b> , 139, 46-54	7.8	5
16	Abnormal N-glycosylation pattern for brain nucleotide pyrophosphatase-5 (NPP-5) in Mecp2-mutant murine models of Rett syndrome. <i>Neuroscience Research</i> , <b>2016</b> , 105, 28-34	2.9	5
15	The physiological behaviour of IMR-32 neuroblastoma cells is affected by a 12-h hypoxia/24-h reoxygenation period. <i>Neurochemical Research</i> , <b>2010</b> , 35, 1691-9	4.6	5
14	Erythrocyte Cytoskeletal-plasma Membrane Protein Network in Rett Syndrome: Effects of .-3 Polyunsaturated Fatty Acids. <i>Current Proteomics</i> , <b>2016</b> , 12, 217-226	0.7	5
13	Oxidative stress: a hallmark of Rett syndrome. <i>Future Neurology</i> , <b>2015</b> , 10, 179-182	1.5	4
12	Protective role of mirtazapine in adult female Mecp2 mice and patients with Rett syndrome. <i>Journal of Neurodevelopmental Disorders</i> , <b>2020</b> , 12, 26	4.6	4
11	Brain protein changes in Mecp2 mouse mutant models: Effects on disease progression of Mecp2 brain specific gene reactivation. <i>Journal of Proteomics</i> , <b>2020</b> , 210, 103537	3.9	4
10	Scavenger Receptor B1 oxidative post-translational modifications are responsible for its loss in Rett syndrome. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 75 Suppl 1, S10-1	7.8	3
9	The effects of hypoxia/reoxygenation on the physiological behaviour of U373-MG astrocytes. <i>Neurochemical Research</i> , <b>2010</b> , 35, 42-9	4.6	3
8	Fatty Acids and Autism Spectrum Disorders: The Rett Syndrome Conundrum. <i>Food and Nutrition Sciences (Print)</i> , <b>2013</b> , 04, 71-75	0.4	3
7	The role of preoperative oxidative stress and mandibular third molar postoperative outcome. <i>International Journal of Oral and Maxillofacial Surgery</i> , <b>2013</b> , 42, 1499-500	2.9	2
6	F2-Isoprostanes in soft oral tissues and degree of oral disability after mandibular third molar surgery. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , <b>2012</b> , 114, 344-9	2	2
5	4HNE Protein Adducts in Autistic Spectrum Disorders: Rett Syndrome and Autism <b>2014</b> , 2667-2687		1
4	Breathing Abnormalities During Sleep and Wakefulness in Rett Syndrome: Clinical Relevance and Paradoxical Relationship With Circulating Pro-oxidant Markers.. <i>Frontiers in Neurology</i> , <b>2022</b> , 13, 833239 <sup>4.1</sup>	4.1	1

- 3 Iron and Erythrocytes: Physiological and Pathophysiological Aspects **2008**, 167-181
- 2 Biomarkers of Lipid Oxidative Damage in Rett Syndrome **2014**, 2617-2632
- 1 Neuroprostanes and Neurological Severity in Rett Syndrome **2014**, 2633-2645