Joussef Hayek

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.

79 papers	2,085 citations	28 h-index	43 g-index
83 ext. papers	2,504 ext. citations	4.8 avg, IF	4.28 L-index

#	Paper	IF	Citations
79	A comprehensive molecular study on Coffin-Siris and Nicolaides-Baraitser syndromes identifies a broad molecular and clinical spectrum converging on altered chromatin remodeling. *Human Molecular Genetics*, **2013**, 22, 5121-35	5.6	138
78	Systemic oxidative stress in classic Rett syndrome. *Free Radical Biology and Medicine*, **2009**, 47, 440-8	7.8	108
77	Di-(2-ethylhexyl) phthalate and autism spectrum disorders. *ASN Neuro*, **2012**, 4, 223-9	5.3	100
76	Oxidative brain damage in Mecp2-mutant murine models of Rett syndrome. *Neurobiology of Disease*, **2014**, 68, 66-77	7.5	86
75	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
74	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
73	Altered gut microbiota in Rett syndrome. *Microbiome*, **2016**, 4, 41	16.6	69
72	Partial rescue of Rett syndrome by ω3 polyunsaturated fatty acids (PUFAs) oil. *Genes and Nutrition*, **2012**, 7, 447-58	4.3	68
71	F4-neuroprostanes mediate neurological severity in Rett syndrome. *Clinica Chimica Acta*, **2011**, 412, 1399-406	4.06	63
70	Oxidative stress in Rett syndrome: natural history, genotype, and variants. *Redox Report*, **2011**, 16, 145-53	3.9	59
69	Increased levels of 4HNE-protein plasma adducts in Rett syndrome. *Clinical Biochemistry*, **2011**, 44, 368-71	3.15	56
68	Cholesterol metabolism is altered in Rett syndrome: a study on plasma and primary cultured fibroblasts derived from patients. *PLoS ONE*, **2014**, 9, e104834	3.7	48
67	Subclinical inflammatory status in Rett syndrome. *Mediators of Inflammation*, **2014**, 2014, 480980	4.3	45
66	Revealing the complexity of a monogenic disease: rett syndrome exome sequencing. *PLoS ONE*, **2013**, 8, e56599	3.7	45
65	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
64	Cytokine Dysregulation in MECP2- and CDKL5-Related Rett Syndrome: Relationships with Aberrant Redox Homeostasis, Inflammation, and ω3 PUFAs. *Oxidative Medicine and Cellular Longevity*, **2015**, 2015, 421624	6.7	42
63	Scavenger receptor B1 post-translational modifications in Rett syndrome. *FEBS Letters*, **2013**, 587, 2199-204	3.04	42

62	Cytokines profile and peripheral blood mononuclear cells morphology in Rett and autistic patients. *Cytokine*, **2016**, 77, 180-8	4	39
61	Morphological changes and oxidative damage in Rett Syndrome erythrocytes. *Biochimica Et Biophysica Acta - General Subjects*, **2012**, 1820, 511-20	4	38
60	Non-protein-bound iron and 4-hydroxynonenal protein adducts in classic autism. *Brain and Development*, **2013**, 35, 146-54	2.2	36
59	Redox imbalance and morphological changes in skin fibroblasts in typical Rett syndrome. *Oxidative Medicine and Cellular Longevity*, **2014**, 2014, 195935	6.7	36
58	OxInflammation in Rett syndrome. *International Journal of Biochemistry and Cell Biology*, **2016**, 81, 246-253	5.6	36
57	Impaired enzymatic defensive activity, mitochondrial dysfunction and proteasome activation are involved in RTT cell oxidative damage. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2015**, 1852, 2066-74	6.9	34
56	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
55	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
54	Subclinical myocardial dysfunction in Rett syndrome. *European Heart Journal Cardiovascular Imaging*, **2012**, 13, 339-45	4.1	30
53	F(2)-Dihomo-isoprostanes and brain white matter damage in stage 1 Rett syndrome. *Biochimie*, **2013**, 95, 86-90	4.6	29
52	High frequency of COH1 intragenic deletions and duplications detected by MLPA in patients with Cohen syndrome. *European Journal of Human Genetics*, **2010**, 18, 1133-40	5.3	28
51	Coffin-Siris and Nicolaides-Baraitser syndromes are a common well recognizable cause of intellectual disability. *Brain and Development*, **2015**, 37, 527-36	2.2	26
50	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
49	Unrecognized lung disease in classic Rett syndrome: a physiologic and high-resolution CT imaging study. *Chest*, **2010**, 138, 386-92	5.3	24
48	4-hydroxynonenal protein adducts: Key mediator in Rett syndrome oxinflammation. *Free Radical Biology and Medicine*, **2017**, 111, 270-280	7.8	23
47	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
46	Syndromic mental retardation with thrombocytopenia due to 21q22.11q22.12 deletion: Report of three patients. *American Journal of Medical Genetics, Part A*, **2010**, 152A, 1711-7	2.5	23
45	Retention of Mitochondria in Mature Human Red Blood Cells as the Result of Autophagy Impairment in Rett Syndrome. *Scientific Reports*, **2017**, 7, 12297	4.9	21

44	Relevance of 4-F-neuroprostane and 10-F-neuroprostane to neurological diseases. *Free Radical Biology and Medicine*, **2018**, 115, 278-287	7.8	21
43	Periventricular heterotopia with white matter abnormalities associated with 6p25 deletion. *American Journal of Medical Genetics, Part A*, **2012**, 158A, 1793-7	2.5	20
42	Inflammatory lung disease in Rett syndrome. *Mediators of Inflammation*, **2014**, 2014, 560120	4.3	18
41	Proteomic analysis of 4-hydroxynonenal and nitrotyrosine modified proteins in RTT fibroblasts. *International Journal of Biochemistry and Cell Biology*, **2016**, 81, 236-245	5.6	17
40	Lactonase Activity and Lipoprotein-Phospholipase A as Possible Novel Serum Biomarkers for the Differential Diagnosis of Autism Spectrum Disorders and Rett Syndrome: Results from a Pilot Study. *Oxidative Medicine and Cellular Longevity*, **2017**, 2017, 5694058	6.7	16
39	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
38	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
37	Alterations of mitochondrial bioenergetics, dynamics, and morphology support the theory of oxidative damage involvement in autism spectrum disorder. *FASEB Journal*, **2020**, 34, 6521-6538	0.9	15
36	Rett syndrome: An autoimmune disease?. *Autoimmunity Reviews*, **2016**, 15, 411-6	13.6	15
35	Creatine transporter defect diagnosed by proton NMR spectroscopy in males with intellectual disability. *American Journal of Medical Genetics, Part A*, **2011**, 155A, 2446-52	2.5	15
34	MECP2 Duplication Syndrome: Evidence of Enhanced Oxidative Stress. A Comparison with Rett Syndrome. *PLoS ONE*, **2016**, 11, e0150101	3.7	15
33	Analysis of the Phenotypes in the Rett Networked Database. *International Journal of Genomics*, **2019**, 2019, 6956934	2.5	14
32	Compromised immune/inflammatory responses in Rett syndrome. *Free Radical Biology and Medicine*, **2020**, 152, 100-106	7.8	13
31	Altered inflammasome machinery as a key player in the perpetuation of Rett syndrome oxinflammation. *Redox Biology*, **2020**, 28, 101334	11.3	13
30	Persistent Unresolved Inflammation in the -308 Female Mutated Mouse Model of Rett Syndrome. *Mediators of Inflammation*, **2017**, 2017, 9467819	4.3	12
29	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
28	Red blood cells in Rett syndrome: oxidative stress, morphological changes and altered membrane organization. *Biological Chemistry*, **2015**, 396, 1233-40	4.5	11
27	Proteomic analysis of the Rett syndrome experimental model mecp2 mutant zebrafish. *Journal of Proteomics*, **2017**, 154, 128-133	3.9	10

26	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
25	Effects of EB polyunsaturated fatty acids on plasma proteome in Rett syndrome. *Mediators of Inflammation*, **2013**, 2013, 723269	4.3	10
24	Antibody recognition in multiple sclerosis and Rett syndrome using a collection of linear and cyclic N-glucosylated antigenic probes. *Biopolymers*, **2015**, 104, 560-76	2.2	9
23	A plasma proteomic approach in Rett syndrome: classical versus preserved speech variant. *Mediators of Inflammation*, **2013**, 2013, 438653	4.3	9
22	13-HODE, 9-HODE and ALOX15 as potential players in Rett syndrome OxInflammation. *Free Radical Biology and Medicine*, **2019**, 134, 598-603	7.8	8
21	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
20	Inflammatory protein response in CDKL5-Rett syndrome: evidence of a subclinical smouldering inflammation. *Inflammation Research*, **2017**, 66, 269-280	7.2	7
19	Isoprostanoids in Clinical and Experimental Neurological Disease Models. *Antioxidants*, **2018**, 7,	7.1	7
18	Proteomic profiling reveals mitochondrial alterations in Rett syndrome. *Free Radical Biology and Medicine*, **2020**, 155, 37-48	7.8	7
17	Oxygen exchange and energy metabolism in erythrocytes of Rett syndrome and their relationships with respiratory alterations. *Molecular and Cellular Biochemistry*, **2017**, 426, 205-213	4.2	6
16	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
15	Antiglycative Activity and RAGE Expression in Rett Syndrome. *Cells*, **2019**, 8,	7.9	6
14	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
13	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
12	Oxidative stress: a hallmark of Rett syndrome. *Future Neurology*, **2015**, 10, 179-182	1.5	4
11	Impaired mitochondrial quality control in Rett Syndrome. *Archives of Biochemistry and Biophysics*, **2021**, 700, 108790	4.1	4
10	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
9	Fatty Acids and Autism Spectrum Disorders: The Rett Syndrome Conundrum. *Food and Nutrition Sciences (Print)*, **2013**, 04, 71-75	0.4	3

8	Bone status in relation to ambulatory performance in girls with Rett syndrome: a 10-year longitudinal study. *Pediatric Research*, **2019**, 85, 639-643	3.2	3
7	The complexity of Rett syndrome models: Primary fibroblasts as a disease-in-a-dish reliable approach. *Drug Discovery Today: Disease Models*, **2020**, 31, 11-19	1.3	2
6	Altered Bone Status in Rett Syndrome. *Life*, **2021**, 11,	3	1
5	4HNE Protein Adducts in Autistic Spectrum Disorders: Rett Syndrome and Autism **2014**, 2667-2687		1
4	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
3	A proteomics approach to further highlight the altered inflammatory condition in Rett syndrome. *Archives of Biochemistry and Biophysics*, **2020**, 696, 108660	4.1	0
2	Biomarkers of Lipid Oxidative Damage in Rett Syndrome **2014**, 2617-2632		
1	Neuroprostanes and Neurological Severity in Rett Syndrome **2014**, 2633-2645		