

# Erika Koltai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11313953/publications.pdf>

Version: 2024-02-01

31  
papers

2,889  
citations

279798

23  
h-index

477307

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

4560  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exercise, oxidative stress and hormesis. <i>Ageing Research Reviews</i> , 2008, 7, 34-42.	10.9	490
2	Oxygen Consumption and Usage During Physical Exercise: The Balance Between Oxidative Stress and ROS-Dependent Adaptive Signaling. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 1208-1246.	5.4	457
3	Exercise Plays a Preventive Role Against Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 777-783.	2.6	252
4	Exercise alters SIRT1, SIRT6, NAD and NAMPT levels in skeletal muscle of aged rats. <i>Mechanisms of Ageing and Development</i> , 2010, 131, 21-28.	4.6	230
5	Age-associated neurodegeneration and oxidative damage to lipids, proteins and DNA. <i>Molecular Aspects of Medicine</i> , 2011, 32, 305-315.	6.4	179
6	Age-associated declines in mitochondrial biogenesis and protein quality control factors are minimized by exercise training. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R127-R134.	1.8	127
7	Exercise, oxidants, and antioxidants change the shape of the bell-shaped hormesis curve. <i>Redox Biology</i> , 2017, 12, 285-290.	9.0	125
8	Physical exercise, reactive oxygen species and neuroprotection. <i>Free Radical Biology and Medicine</i> , 2016, 98, 187-196.	2.9	108
9	Redox-regulating sirtuins in aging, caloric restriction, and exercise. <i>Free Radical Biology and Medicine</i> , 2013, 58, 87-97.	2.9	90
10	Age-dependent changes in 8-oxoguanine-DNA glycosylase activity are modulated by adaptive responses to physical exercise in human skeletal muscle. <i>Free Radical Biology and Medicine</i> , 2011, 51, 417-423.	2.9	82
11	The effects of aging, physical training, and a single bout of exercise on mitochondrial protein expression in human skeletal muscle. <i>Experimental Gerontology</i> , 2012, 47, 417-424.	2.8	81
12	Resveratrol enhances exercise training responses in rats selectively bred for high running performance. <i>Food and Chemical Toxicology</i> , 2013, 61, 53-59.	3.6	75
13	Exercise effects on physiological function during aging. <i>Free Radical Biology and Medicine</i> , 2019, 132, 33-41.	2.9	70
14	Exercise training increases anabolic and attenuates catabolic and apoptotic processes in aged skeletal muscle of male rats. <i>Experimental Gerontology</i> , 2015, 67, 9-14.	2.8	58
15	Aging and exercise affect the level of protein acetylation and SIRT1 activity in cerebellum of male rats. <i>Biogerontology</i> , 2010, 11, 679-686.	3.9	57
16	The systemic role of SIRT1 in exercise mediated adaptation. <i>Redox Biology</i> , 2020, 35, 101467.	9.0	50
17	The complex role of physical exercise and reactive oxygen species on brain. <i>Journal of Sport and Health Science</i> , 2013, 2, 87-93.	6.5	49
18	Reactive Oxygen and Nitrogen Species Regulate Key Metabolic, Anabolic, and Catabolic Pathways in Skeletal Muscle. <i>Antioxidants</i> , 2018, 7, 85.	5.1	47

#	ARTICLE	IF	CITATIONS
19	Exercise, redox system and neurodegenerative diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165778.	3.8	45
20	Master athletes have higher miR-7, SIRT3 and SOD2 expression in skeletal muscle than age-matched sedentary controls. <i>Redox Biology</i> , 2018, 19, 46-51.	9.0	44
21	Combined Exercise and Insulin-Like Growth Factor-1 Supplementation Induces Neurogenesis in Old Rats, but Do Not Attenuate Age-Associated DNA Damage. <i>Rejuvenation Research</i> , 2011, 14, 585-596.	1.8	43
22	Mitochondrial biogenesis-associated factors underlie the magnitude of response to aerobic endurance training in rats. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 779-788.	2.8	41
23	SIRT1 may play a crucial role in overload-induced hypertrophy of skeletal muscle. <i>Journal of Physiology</i> , 2017, 595, 3361-3376.	2.9	29
24	Exercise Increases Markers of Spermatogenesis in Rats Selectively Bred for Low Running Capacity. <i>PLoS ONE</i> , 2014, 9, e114075.	2.5	22
25	The effects of cocoa supplementation, caloric restriction, and regular exercise, on oxidative stress markers of brain and memory in the rat model. <i>Food and Chemical Toxicology</i> , 2013, 61, 36-41.	3.6	12
26	Eating habits modulate short term memory and epigenetical regulation of brain derived neurotrophic factor in hippocampus of low- and high running capacity rats. <i>Brain Research Bulletin</i> , 2014, 107, 54-60.	3.0	9
27	The rate of training response to aerobic exercise affects brain function of rats. <i>Neurochemistry International</i> , 2016, 99, 16-23.	3.8	9
28	Hypertrophy of Rat Skeletal Muscle Is Associated with Increased SIRT1/Akt/mTOR/S6 and Suppressed Sestrin2/SIRT3/FOXO1 Levels. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7588.	4.1	6
29	Regular Exercise Results in Systemic Adaptation Against Oxidative Stress. , 2014, , 3855-3869.		1
30	The Effects of Aging and Exercise on Protein Acetylation/Deacetylation : Role of Sirtuins. <i>Juntendo Igaku</i> , 2010, 56, 257-259.	0.1	1
31	The Role of Reactive Oxygen and Nitrogen Species in Skeletal Muscle. , 2019, , 309-315.		0