

# Gabriella Dobrowolny

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

3,140  
citations

279798

23  
h-index

361022

35  
g-index

37  
all docs

37  
docs citations

37  
times ranked

4281  
citing authors

#	ARTICLE	IF	CITATIONS
1	Localized Igf-1 transgene expression sustains hypertrophy and regeneration in senescent skeletal muscle. <i>Nature Genetics</i> , 2001, 27, 195-200.	21.4	985
2	Skeletal Muscle Is a Primary Target of SOD1G93A-Mediated Toxicity. <i>Cell Metabolism</i> , 2008, 8, 425-436.	16.2	435
3	Muscle expression of a local Igf-1 isoform protects motor neurons in an ALS mouse model. <i>Journal of Cell Biology</i> , 2005, 168, 193-199.	5.2	319
4	Stem cell-mediated muscle regeneration is enhanced by local isoform of insulin-like growth factor 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1206-1210.	7.1	233
5	Effects of IGF-1 isoforms on muscle growth and sarcopenia. <i>Aging Cell</i> , 2019, 18, e12954.	6.7	146
6	Adaptation of Mouse Skeletal Muscle to Long-Term Microgravity in the MDS Mission. <i>PLoS ONE</i> , 2012, 7, e33232.	2.5	144
7	Melatonin downregulates MDM2 gene expression and enhances p53 acetylation in MCF-7 cells. <i>Journal of Pineal Research</i> , 2014, 57, 120-129.	7.4	81
8	Localized accumulation of oxidative stress causes muscle atrophy through activation of an autophagic pathway. <i>Autophagy</i> , 2009, 5, 527-529.	9.1	57
9	Muscle Expression of SOD1 <sup>G93A</sup> Triggers the Dismantlement of Neuromuscular Junction via PKC-Theta. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1105-1119.	5.4	56
10	Metabolic Changes Associated With Muscle Expression of SOD1G93A. <i>Frontiers in Physiology</i> , 2018, 9, 831.	2.8	50
11	Neuromuscular Junction as an Entity of Nerve-Muscle Communication. <i>Cells</i> , 2019, 8, 906.	4.1	50
12	Local expression of mIgf-1 modulates ubiquitin, caspase and CDK5 expression in skeletal muscle of an ALS mouse model. <i>Neurological Research</i> , 2008, 30, 131-136.	1.3	49
13	Biomonitoring of primary aluminium industry workers: detection of micronuclei and repairable DNA lesions by alkaline SCGE. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 516, 63-70.	1.7	43
14	Muscle atrophy induced by SOD1G93A expression does not involve the activation of caspase in the absence of denervation. <i>Skeletal Muscle</i> , 2011, 1, 3.	4.2	42
15	Molecular Insights into Muscle Homeostasis, Atrophy and Wasting. <i>Current Genomics</i> , 2018, 19, 356-369.	1.6	39
16	The neuroprotective effects of a locally acting IGF-1 isoform. <i>Experimental Gerontology</i> , 2007, 42, 76-80.	2.8	36
17	A longitudinal study defined circulating microRNAs as reliable biomarkers for disease prognosis and progression in ALS human patients. <i>Cell Death Discovery</i> , 2021, 7, 4.	4.7	36
18	Microenvironment Promotes Tumor Cell Reprogramming in Human Breast Cancer Cell Lines. <i>PLoS ONE</i> , 2013, 8, e83770.	2.5	36

#	ARTICLE	IF	CITATIONS
19	Levetiracetam enhances the temozolomide effect on glioblastoma stem cell proliferation and apoptosis. <i>Cancer Cell International</i> , 2018, 18, 136.	4.1	34
20	IPLEX Administration Improves Motor Neuron Survival and Ameliorates Motor Functions in a Severe Mouse Model of Spinal Muscular Atrophy. <i>Molecular Medicine</i> , 2012, 18, 1076-1085.	4.4	30
21	Elucidating the Contribution of Skeletal Muscle Ion Channels to Amyotrophic Lateral Sclerosis in search of new therapeutic options. <i>Scientific Reports</i> , 2019, 9, 3185.	3.3	29
22	Muscle Expression of SOD1G93A Modulates microRNA and mRNA Transcription Pattern Associated with the Myelination Process in the Spinal Cord of Transgenic Mice. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 463.	3.7	25
23	Paracrine Effects of IGF-1 Overexpression on the Functional Decline Due to Skeletal Muscle Disuse: Molecular and Functional Evaluation in Hindlimb Unloaded MLC/mlgf-1 Transgenic Mice. <i>PLoS ONE</i> , 2013, 8, e65167.	2.5	24
24	Age-Related Alterations at Neuromuscular Junction: Role of Oxidative Stress and Epigenetic Modifications. <i>Cells</i> , 2021, 10, 1307.	4.1	23
25	Neuromuscular magnetic stimulation counteracts muscle decline in ALS patients: results of a randomized, double-blind, controlled study. <i>Scientific Reports</i> , 2019, 9, 2837.	3.3	21
26	Repurposing of Trimetazidine for amyotrophic lateral sclerosis: A study in SOD1 <sup>G93A</sup> mice. <i>British Journal of Pharmacology</i> , 2022, 179, 1732-1752.	5.4	21
27	Noise Enhances Action Potential Generation in Mouse Sensory Neurons via Stochastic Resonance. <i>PLoS ONE</i> , 2016, 11, e0160950.	2.5	19
28	Progressive impairment of CaV1.1 function in the skeletal muscle of mice expressing a mutant type 1 Cu/Zn superoxide dismutase (G93A) linked to amyotrophic lateral sclerosis. <i>Skeletal Muscle</i> , 2016, 6, 24.	4.2	15
29	Taurine Attenuates Catabolic Processes Related to the Onset of Sarcopenia. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8865.	4.1	14
30	Postmitotic Expression of SOD1 <sup>G93A</sup> Gene Affects the Identity of Myogenic Cells and Inhibits Myoblasts Differentiation. <i>Mediators of Inflammation</i> , 2015, 2015, 1-14.	3.0	13
31	Taurine Administration Counteracts Aging-Associated Impingement of Skeletal Muscle Regeneration by Reducing Inflammation and Oxidative Stress. <i>Antioxidants</i> , 2022, 11, 1016.	5.1	11
32	Muscle Involvement and IGF-1 Signaling in Genetic Disorders: New Therapeutic Approaches. <i>Endocrine Development</i> , 2009, 14, 29-37.	1.3	8
33	R-Spondin 1/Dickkopf-1/Beta-Catenin Machinery Is Involved in Testicular Embryonic Angiogenesis. <i>PLoS ONE</i> , 2015, 10, e0124213.	2.5	6
34	Circulating myomiRs in Muscle Denervation: From Surgical to ALS Pathological Condition. <i>Cells</i> , 2021, 10, 2043.	4.1	6
35	Fenretinide Beneficial Effects on Amyotrophic Lateral Sclerosis-associated SOD1G93A Mutant Protein Toxicity: In Vitro and In Vivo Evidences. <i>Neuroscience</i> , 2021, 473, 1-12.	2.3	3
36	The Role of Skeletal Muscle in Neuromuscular Diseases: From Cellular and Molecular Players to Therapeutic Interventions. <i>Cells</i> , 2022, 11, 1207.	4.1	1

#	ARTICLE	IF	CITATIONS
37	Skeletal Muscle Is a Primary Target of SOD1G93A-Mediated Toxicity. <i>Cell Metabolism</i> , 2009, 9, 110.	16.2	0