

# Sauro E Salomoni

## 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.

33  
papers

243  
citations

10  
h-index

13  
g-index

40  
ext. papers

327  
ext. citations

2.7  
avg, IF

3.32  
L-index

#	Paper	IF	Citations
33	Experimental muscle pain increases normalized variability of multidirectional forces during isometric contractions. <i>European Journal of Applied Physiology</i> , <b>2012</b> , 112, 3607-17	3.4	26
32	Breathing and Singing: Objective Characterization of Breathing Patterns in Classical Singers. <i>PLoS ONE</i> , <b>2016</b> , 11, e0155084	3.7	26
31	Hip abductor muscle activity during walking in individuals with gluteal tendinopathy. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2018</b> , 28, 686-695	4.6	19
30	Insight into motor adaptation to pain from between-leg compensation. <i>European Journal of Applied Physiology</i> , <b>2014</b> , 114, 1057-65	3.4	16
29	Reduced Maximal Force during Acute Anterior Knee Pain Is Associated with Deficits in Voluntary Muscle Activation. <i>PLoS ONE</i> , <b>2016</b> , 11, e0161487	3.7	16
28	Muscle fatigue increases the amplitude of fluctuations of tangential forces during isometric contractions. <i>Human Movement Science</i> , <b>2012</b> , 31, 758-71	2.4	14
27	Variability of three-dimensional forces increase during experimental knee pain. <i>European Journal of Applied Physiology</i> , <b>2013</b> , 113, 567-75	3.4	14
26	Reorganised motor control strategies of trunk muscles due to acute low back pain. <i>Human Movement Science</i> , <b>2015</b> , 41, 282-94	2.4	11
25	On the behavior of surface electromyographic variables during the menstrual cycle. <i>Physiological Measurement</i> , <b>2011</b> , 32, 543-57	2.9	10
24	Semi-automatic detection of the left ventricular border. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2008</b> , 2008, 218-21	0.9	10
23	Location-specific responses to nociceptive input support the purposeful nature of motor adaptation to pain. <i>Pain</i> , <b>2018</b> , 159, 2192-2200	8	9
22	Trunk muscle activation during movement with a new exercise device for lumbo-pelvic reconditioning. <i>Physiological Reports</i> , <b>2017</b> , 5, e13188	2.6	8
21	Effect of experimental muscle pain on the acquisition and retention of locomotor adaptation: different motor strategies for a similar performance. <i>Journal of Neurophysiology</i> , <b>2018</b> , 119, 1647-1657	3.2	8
20	Spatial reorganisation of muscle activity correlates with change in tangential force variability during isometric contractions. <i>Journal of Electromyography and Kinesiology</i> , <b>2014</b> , 24, 37-45	2.5	8
19	Hypogravity reduces trunk admittance and lumbar muscle activation in response to external perturbations. <i>Journal of Applied Physiology</i> , <b>2020</b> , 128, 1044-1055	3.7	7
18	Motor Strategies Learned during Pain Are Sustained upon Pain-free Reexposure to Task. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 2334-2343	1.2	6
17	Gender differences in muscle fatigue of the biceps brachii and influences of female menstrual cycle in electromyography variables. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2008</b> , 2008, 2598-601	0.9	5

16	Lumbar muscle atrophy and increased relative intramuscular lipid concentration are not mitigated by daily artificial gravity after 60-day head-down tilt bed rest. <i>Journal of Applied Physiology</i> , <b>2021</b> , 131, 356-368	3.7	5
15	The nociceptive withdrawal reflex of the trunk is organized with unique muscle receptive fields and motor strategies. <i>European Journal of Neuroscience</i> , <b>2019</b> , 50, 1932-1947	3.5	5
14	A novel approach to activate deep spinal muscles in space: Results of a biomechanical model. <i>Acta Astronautica</i> , <b>2015</b> , 116, 202-210	2.9	4
13	Low Back Pain Flares: How do They Differ From an Increase in Pain?. <i>Clinical Journal of Pain</i> , <b>2021</b> , 37, 313-320	3.5	3
12	ISSLS PRIZE IN CLINICAL SCIENCE 2021: What are the risk factors for low back pain flares and does this depend on how flare is defined?. <i>European Spine Journal</i> , <b>2021</b> , 30, 1089-1097	2.7	3
11	Intermittent short-arm centrifugation is a partially effective countermeasure against upright balance deterioration following 60-day head-down tilt bed rest. <i>Journal of Applied Physiology</i> , <b>2021</b> , 131, 689-701	3.7	3
10	Gluteal Muscle Atrophy and Increased Intramuscular Lipid Concentration Are Not Mitigated by Daily Artificial Gravity Following 60-Day Head-Down Tilt Bed Rest. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 745811	4.6	1
9	Algoritmo de Máxima Verossimilhança para a Estimativa da Velocidade de Condução Média de Sinais Eletromiográficos de Superfície. <i>IFMBE Proceedings</i> , <b>2007</b> , 1049-1053	0.2	1
8	Análise de Filtros Espaciais em Sinais EMG de Superfície nas Condições do Máximo Volume de Contração. <i>IFMBE Proceedings</i> , <b>2007</b> , 95-98	0.2	1
7	Shear modulus of multifidus and longissimus muscles measured using shear wave elastography correlates with muscle activity, but depends on image quality. <i>Journal of Electromyography and Kinesiology</i> , <b>2021</b> , 56, 102505	2.5	1
6	Functional behaviour of spinal muscles after training with an exercise device developed to recruit and train postural muscles. <i>Gait and Posture</i> , <b>2018</b> , 66, 189-193	2.6	1
5	Effects of a six-week exercise intervention on function, pain and lumbar multifidus muscle cross-sectional area in chronic low back pain: A proof-of-concept study. <i>Musculoskeletal Science and Practice</i> , <b>2020</b> , 49, 102190	2.4	0
4	Deep and superficial cervical muscles respond differently to unstable motor skill tasks. <i>Human Movement Science</i> , <b>2021</b> , 80, 102893	2.4	0
3	Exploration of shear wave elastography measures of the iliotibial band during different tasks in pain-free runners. <i>Physical Therapy in Sport</i> , <b>2021</b> , 50, 121-129	3	0
2	Development of a microcontrolled bioinstrumentation system for active control of leg prostheses. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2008</b> , 2008, 2393-6	0.9	
1	Surface EMG and spatial resolution analysis with estimation of electromyographic descriptors. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2008</b> , 2008, 4748-51	0.9	