

# Omar S Mian

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

1,235  
citations

394286

19  
h-index

713332

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1460  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic cost, mechanical work, and efficiency during walking in young and older men. <i>Acta Physiologica</i> , 2006, 186, 127-139.	1.8	281
2	Muscle strength, volume and activation following 12-month resistance training in 70-year-old males. <i>European Journal of Applied Physiology</i> , 2005, 95, 197-204.	1.2	95
3	Neuromuscular and balance responses to flywheel inertial versus weight training in older persons. <i>Journal of Biomechanics</i> , 2008, 41, 3133-3138.	0.9	85
4	Kinematics of stair descent in young and older adults and the impact of exercise training. <i>Gait and Posture</i> , 2007, 25, 9-17.	0.6	78
5	Gastrocnemius muscle-tendon behaviour during walking in young and older adults. <i>Acta Physiologica</i> , 2007, 189, 57-65.	1.8	78
6	The Impact of Physical Training on Locomotor Function in Older People. <i>Sports Medicine</i> , 2007, 37, 683-701.	3.1	67
7	Effect of a 12-month physical conditioning programme on the metabolic cost of walking in healthy older adults. <i>European Journal of Applied Physiology</i> , 2007, 100, 499-505.	1.2	56
8	Lack of otolith involvement in balance responses evoked by mastoid electrical stimulation. <i>Journal of Physiology</i> , 2010, 588, 4441-4451.	1.3	56
9	On the Vertigo Due to Static Magnetic Fields. <i>PLoS ONE</i> , 2013, 8, e78748.	1.1	51
10	Centre of mass motion during stair negotiation in young and older men. <i>Gait and Posture</i> , 2007, 26, 463-469.	0.6	50
11	Gastrocnemius specific force is increased in elderly males following a 12-month physical training programme. <i>European Journal of Applied Physiology</i> , 2007, 100, 563-570.	1.2	49
12	The mathematical description of the body centre of mass 3D path in human and animal locomotion. <i>Journal of Biomechanics</i> , 2011, 44, 1471-1477.	0.9	47
13	Magnetic field effects on the vestibular system: calculation of the pressure on the cupula due to ionic current-induced Lorentz force. <i>Physics in Medicine and Biology</i> , 2012, 57, 4477-4487.	1.6	46
14	Determining the direction of vestibular-evoked balance responses using stochastic vestibular stimulation. <i>Journal of Physiology</i> , 2009, 587, 2869-2873.	1.3	32
15	Violation of the Craniocentricity Principle for Vestibularly Evoked Balance Responses under Conditions of Anisotropic Stability. <i>Journal of Neuroscience</i> , 2014, 34, 7696-7703.	1.7	30
16	Gait in SWEDDs patients: Comparison with Parkinson's disease patients and healthy controls. <i>Movement Disorders</i> , 2011, 26, 1266-1273.	2.2	28
17	A dynamic model of the eye nystagmus response to high magnetic fields. <i>Physics in Medicine and Biology</i> , 2014, 59, 631-645.	1.6	26
18	Non-linear vector summation of left and right vestibular signals for human balance. <i>Journal of Physiology</i> , 2010, 588, 671-682.	1.3	25

#	ARTICLE	IF	CITATIONS
19	Neuromechanical interference of posture on movement: evidence from Alexander technique teachers rising from a chair. <i>Journal of Neurophysiology</i> , 2014, 112, 719-729.	0.9	25
20	Effect of head pitch and roll orientations on magnetically induced vertigo. <i>Journal of Physiology</i> , 2016, 594, 1051-1067.	1.3	15
21	Reconciling Magnetically Induced Vertigo and Nystagmus. <i>Frontiers in Neurology</i> , 2015, 6, 201.	1.1	14
22	Response to the letter of Tibor Hortobágyi and colleagues. <i>Journal of Biomechanics</i> , 2009, 42, 957.	0.9	0