

# Shota Hagio

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8299001/publications.pdf>

Version: 2024-02-01

14  
papers

232  
citations

1307594

7  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

195  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of muscle synergies associated with gait transition in humans. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 48.	2.0	65
2	The flexible recruitment of muscle synergies depends on the required force-generating capability. <i>Journal of Neurophysiology</i> , 2014, 112, 316-327.	1.8	43
3	Comparison of muscle synergies for running between different foot strike patterns. <i>PLoS ONE</i> , 2017, 12, e0171535.	2.5	38
4	Synergistic co-activation in multi-directional postural control in humans. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 430-437.	1.7	17
5	Region specificity of rectus femoris muscle for force vectors in vivo. <i>Journal of Biomechanics</i> , 2012, 45, 179-182.	2.1	13
6	Modularity speeds up motor learning by overcoming mechanical bias in musculoskeletal geometry. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180249.	3.4	13
7	Visuomotor Transformation for the Lead Leg Affects Trail Leg Trajectories During Visually Guided Crossing Over a Virtual Obstacle in Humans. <i>Frontiers in Neuroscience</i> , 2020, 14, 357.	2.8	10
8	Recruitment of muscle synergies is associated with endpoint force fluctuations during multi-directional isometric contractions. <i>Experimental Brain Research</i> , 2015, 233, 1811-1823.	1.5	9
9	Action Direction of Muscle Synergies in Three-Dimensional Force Space. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 187.	4.1	7
10	Action Direction of Muscle Synergies in Voluntary Multi-Directional Postural Control. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 434.	2.0	7
11	Modulation of spatial and temporal modules in lower limb muscle activations during walking with simulated reduced gravity. <i>Scientific Reports</i> , 2021, 11, 14749.	3.3	7
12	Muscle synergies of multidirectional postural control in astronauts on Earth after a long-term stay in space. <i>Journal of Neurophysiology</i> , 2022, 127, 1230-1239.	1.8	3
13	Motor learning of arm reaching movement in redundant musculoskeletal system. <i>The Proceedings of the Symposium on Sports and Human Dynamics</i> , 2018, 2018, A-26.	0.0	0
14	Exploring efficient rowing movement. <i>The Proceedings of the Symposium on Sports and Human Dynamics</i> , 2018, 2018, B-8.	0.0	0