

# Feng Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

2,384  
citations

186265  
28  
h-index

223800  
46  
g-index

78  
all docs

78  
docs citations

78  
times ranked

1492  
citing authors

#	ARTICLE	IF	CITATIONS
1	Independent influence of gait speed and step length on stability and fall risk. <i>Gait and Posture</i> , 2010, 32, 378-382.	1.4	222
2	Perturbation Training Can Reduce Community-Dwelling Older Adults' Annual Fall Risk: A Randomized Controlled Trial. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 1586-1594.	3.6	144
3	Automatic recognition of falls in gait-slip training: Harness load cell based criteria. <i>Journal of Biomechanics</i> , 2011, 44, 2243-2249.	2.1	109
4	Can sacral marker approximate center of mass during gait and slip-fall recovery among community-dwelling older adults?. <i>Journal of Biomechanics</i> , 2014, 47, 3807-3812.	2.1	106
5	Learning to Resist Gait-Slip Falls: Long-Term Retention in Community-Dwelling Older Adults. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012, 93, 557-564.	0.9	102
6	Learning from laboratory-induced falling: long-term motor retention among older adults. <i>Age</i> , 2014, 36, 9640.	3.0	95
7	Role of stability and limb support in recovery against a fall following a novel slip induced in different daily activities. <i>Journal of Biomechanics</i> , 2009, 42, 1903-1908.	2.1	94
8	Dynamic Gait Stability, Clinical Correlates, and Prognosis of Falls Among Community-Dwelling Older Adults. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011, 92, 799-805.	0.9	91
9	Predicted threshold against backward balance loss following a slip in gait. <i>Journal of Biomechanics</i> , 2008, 41, 1823-1831.	2.1	73
10	Generalization of treadmill-slip training to prevent a fall following a sudden (novel) slip in over-ground walking. <i>Journal of Biomechanics</i> , 2013, 46, 63-69.	2.1	73
11	Adaptive control reduces trip-induced forward gait instability among young adults. <i>Journal of Biomechanics</i> , 2012, 45, 1169-1175.	2.1	72
12	Predicted threshold against backward balance loss in gait. <i>Journal of Biomechanics</i> , 2007, 40, 804-811.	2.1	61
13	Dynamic gait stability of treadmill versus overground walking in young adults. <i>Journal of Electromyography and Kinesiology</i> , 2016, 31, 81-87.	1.7	60
14	Muscle weakness is related to slip-initiated falls among community-dwelling older adults. <i>Journal of Biomechanics</i> , 2016, 49, 238-243.	2.1	55
15	Mechanisms of limb collapse following a slip among young and older adults. <i>Journal of Biomechanics</i> , 2006, 39, 2194-2204.	2.1	52
16	Adaptation and generalization to opposing perturbations in walking. <i>Neuroscience</i> , 2013, 246, 435-450.	2.3	50
17	Controlled whole-body vibration training reduces risk of falls among community-dwelling older adults. <i>Journal of Biomechanics</i> , 2015, 48, 3206-3212.	2.1	49
18	Strength or power, which is more important to prevent slip-related falls?. <i>Human Movement Science</i> , 2015, 44, 192-200.	1.4	47

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19	Retention of the "first-trial effect" in gait-slip among community-living older adults. <i>GeroScience</i> , 2017, 39, 93-102.	4.6	45
20	Generalization of motor adaptation to repeated-slip perturbation across tasks. <i>Neuroscience</i> , 2011, 180, 85-95.	2.3	42
21	Dynamic stability and compensatory stepping responses during anterior gait "slip" perturbations in people with chronic hemiparetic stroke. <i>Journal of Biomechanics</i> , 2014, 47, 2751-2758.	2.1	37
22	Role of individual lower limb joints in reactive stability control following a novel slip in gait. <i>Journal of Biomechanics</i> , 2010, 43, 397-404.	2.1	36
23	Can stability really predict an impending slip-related fall among older adults?. <i>Journal of Biomechanics</i> , 2014, 47, 3876-3881.	2.1	35
24	Two types of slip-induced falls among community dwelling older adults. <i>Journal of Biomechanics</i> , 2012, 45, 1259-1264.	2.1	34
25	Correction of the inertial effect resulting from a plate moving under low-friction conditions. <i>Journal of Biomechanics</i> , 2007, 40, 2723-2730.	2.1	32
26	Determination of instantaneous stability against backward balance loss: Two computational approaches. <i>Journal of Biomechanics</i> , 2008, 41, 1818-1822.	2.1	32
27	Feasible Stability Region in the Frontal Plane During Human Gait. <i>Annals of Biomedical Engineering</i> , 2009, 37, 2606-2614.	2.5	31
28	Alteration in community-dwelling older adults' level walking following perturbation training. <i>Journal of Biomechanics</i> , 2013, 46, 2463-2468.	2.1	31
29	Muscle power is more important than strength in preventing falls in community-dwelling older adults. <i>Journal of Biomechanics</i> , 2022, 134, 111018.	2.1	27
30	Control of center of mass motion state through cuing and decoupling of spontaneous gait parameters in level walking. <i>Journal of Biomechanics</i> , 2010, 43, 2548-2553.	2.1	26
31	Limits of recovery against slip-induced falls while walking. <i>Journal of Biomechanics</i> , 2011, 44, 2607-2613.	2.1	24
32	Efficacy of Controlled Whole-Body Vibration Training on Improving Fall Risk Factors in Stroke Survivors: A Meta-analysis. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 275-288.	2.9	23
33	Limb Collapse, Rather Than Instability, Causes Failure in Sit-to-Stand Performance Among Patients With Parkinson Disease. <i>Physical Therapy</i> , 2011, 91, 381-391.	2.4	21
34	Adaptive gait responses to awareness of an impending slip during treadmill walking. <i>Gait and Posture</i> , 2016, 50, 175-179.	1.4	20
35	Effects of visual deprivation on stability among young and older adults during treadmill walking. <i>Gait and Posture</i> , 2017, 54, 106-111.	1.4	20
36	Effects of controlled whole-body vibration training in improving fall risk factors among individuals with multiple sclerosis: A pilot study. <i>Disability and Rehabilitation</i> , 2018, 40, 553-560.	1.8	19

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37	Reduced intensity in gait-slip training can still improve stability. <i>Journal of Biomechanics</i> , 2014, 47, 2330-2338.	2.1	18
38	Effect of Externally Cued Training on Dynamic Stability Control During the Sit-to-Stand Task in People With Parkinson Disease. <i>Physical Therapy</i> , 2013, 93, 492-503.	2.4	17
39	Learning from Falling: Retention of Fall-Resisting Behavior Derived from One Episode of Laboratory-Induced Slip Training. <i>Journal of the American Geriatrics Society</i> , 2011, 59, 2392-2393.	2.6	16
40	Treadmill-based gait-slip training with reduced training volume could still prevent slip-related falls. <i>Gait and Posture</i> , 2018, 66, 160-165.	1.4	16
41	Obesity May Not Induce Dynamic Stability Disadvantage during Overground Walking among Young Adults. <i>PLoS ONE</i> , 2017, 12, e0169766.	2.5	15
42	Adaptation to repeated gait-slip perturbations among individuals with multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2019, 35, 135-141.	2.0	14
43	Biomechanical mechanism of Tai-Chi gait for preventing falls: A pilot study. <i>Journal of Biomechanics</i> , 2020, 105, 109769.	2.1	14
44	Interventions for preventing falls in people post-stroke: A meta-analysis of randomized controlled trials. <i>Gait and Posture</i> , 2021, 84, 377-388.	1.4	14
45	Effects of obesity on dynamic stability control during recovery from a treadmill-induced slip among young adults. <i>Journal of Biomechanics</i> , 2017, 53, 148-153.	2.1	13
46	Effects of vibration training in reducing risk of slip-related falls among young adults with obesity. <i>Journal of Biomechanics</i> , 2017, 57, 87-93.	2.1	12
47	Effects of vibration intensity on lower limb joint moments during standing. <i>Journal of Biomechanics</i> , 2019, 88, 18-24.	2.1	12
48	Reactive Control and its Operation Limits in Responding to a Novel Slip in Gait. <i>Annals of Biomedical Engineering</i> , 2010, 38, 3246-3256.	2.5	11
49	Adaptive control of center of mass (global) motion and its joint (local) origin in gait. <i>Journal of Biomechanics</i> , 2014, 47, 2797-2800.	2.1	11
50	Vibration training improves disability status in multiple sclerosis: A pretest-posttest pilot study. <i>Journal of the Neurological Sciences</i> , 2016, 369, 96-101.	0.6	11
51	Relative importance of physical and psychological factors to slowness in people with mild to moderate multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2019, 27, 81-90.	2.0	10
52	Leg Joint Stiffness Affects Dynamics of Backward Falling From Standing Height: A Simulation Work. <i>Journal of Biomechanical Engineering</i> , 2020, 142, .	1.3	10
53	Relative importance of vision and proprioception in maintaining standing balance in people with multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2020, 39, 101901.	2.0	9
54	Anterior load carriage increases the risk of falls in young adults following a slip in gait. <i>Safety Science</i> , 2022, 145, 105489.	4.9	9

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55	Association Between Anthropometric Factors and Falls in Community-Dwelling Older Adults During a Simulated Slip While Walking. <i>Journal of the American Geriatrics Society</i> , 2014, 62, 1808-1810.	2.6	7
56	Effects of anterior load carriage on gait parameters: A systematic review with meta-analysis. <i>Applied Ergonomics</i> , 2022, 98, 103587.	3.1	7
57	Effects of anteriorly-loaded treadmill walking on dynamic gait stability in young adults. <i>Gait and Posture</i> , 2022, 94, 79-84.	1.4	7
58	Effects of a single-session stance-slip perturbation training program on reducing risk of slip-related falls. <i>Journal of Biomechanics</i> , 2018, 72, 1-6.	2.1	6
59	Application of Vibration Training in People with Common Neurological Disorders. , 2020, , 343-353.		6
60	Individual analysis of dynamic stability for twenty-four Tai Chi forms among persons with knee osteoarthritis: A pilot study. <i>Gait and Posture</i> , 2021, 86, 22-26.	1.4	4
61	Ballroom Dance as a Form of Rehabilitation: A Systematic Review. <i>Biomechanics</i> , 2021, 1, 307-321.	1.2	4
62	Effects of vibration training on quality of life in older adults: a preliminary systematic review and meta-analysis. <i>Quality of Life Research</i> , 2022, 31, 3109-3122.	3.1	4
63	Identification of Optimal Foot Tactile Sensation Threshold for Detecting Fall Risk Among Community-Dwelling Older Adults. <i>Physical Therapy</i> , 2021, 101, .	2.4	3
64	Effects of Vibration Training on Cognition and Quality of Life in People with Multiple Sclerosis. <i>International Journal of MS Care</i> , 2021, , .	1.0	3
65	A kinetic analysis of the triple step in recreational swing dancers. <i>Sports Biomechanics</i> , 2021, , 1-14.	1.6	2
66	Knee joint biomechanics of simplified 24 Tai Chi forms and association with pain in individuals with knee osteoarthritis: A pilot study. <i>Osteoarthritis and Cartilage Open</i> , 2021, 3, 100149.	2.0	2
67	Influence of multiple sclerosis on dynamic gait stability. <i>Journal of Biomechanics</i> , 2020, 106, 109827.	2.1	2
68	Preliminary study on acute effects of an intervention to increase dorsiflexion range of motion in reducing medial knee displacement. <i>Clinical Biomechanics</i> , 2022, 95, 105637.	1.2	2
69	Ground reaction forces and muscle activities during anteriorly-loaded overground walking: Preliminary results. <i>International Journal of Industrial Ergonomics</i> , 2022, 90, 103328.	2.6	2
70	Predicted thresholds of dynamic stability against backward balance loss under slip and nonslip bipedal walking conditions. , 2008, , .		1
71	Controlled Whole-body Vibration Training Reduces Risk Of Falls In People With Multiple Sclerosis. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 398.	0.4	0
72	Vibration Training Improves Disability Status Among Individuals With Multiple Sclerosis. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 399.	0.4	0

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73	Effects Of Visual Deprivation On Stability Among Young Adults During Treadmill Walking. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 412-413.	0.4	0
74	Slip and Fall Risk Assessment. , 2018, , 915-936.		0
75	Characteristics of quadriceps fatigue induced by continuous maximal knee extension among young and elderly adult men with different levels of physical activity. <i>Isokinetics and Exercise Science</i> , 2021, 29, 193-197.	0.4	0
76	Dynamic stability based identification of optimal Tai Chi forms for preventing falls among older adults with knee osteoarthritis. <i>Osteoarthritis and Cartilage Open</i> , 2021, 3, 100216.	2.0	0
77	Slip and Fall Risk Assessment. , 2016, , 1-22.		0
78	Treadmill-based Perturbation Training For Preventing Falls Among Young Adults. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 685.	0.4	0