Stefan Schmid

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/66508/publications.pdf

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43	693	567281 15	610901 24
papers	citations	h-index	g-index

49	49	49	738
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Secondary gait deviations in patients with and without neurological involvement: A systematic review. Gait and Posture, 2013, 37, 480-493.	1.4	62
2	Quantifying spinal gait kinematics using an enhanced optical motion capture approach in adolescent idiopathic scoliosis. Gait and Posture, 2016, 44, 231-237.	1.4	51
3	Using Skin Markers for Spinal Curvature Quantification in Main Thoracic Adolescent Idiopathic Scoliosis: An Explorative Radiographic Study. PLoS ONE, 2015, 10, e0135689.	2.5	51
4	Reliability and validity of a smartphone-based application for the quantification of the sit-to-stand movement in healthy seniors. Gait and Posture, 2015, 41, 409-413.	1.4	47
5	Spinal kinematics during gait in healthy individuals across different age groups. Human Movement Science, 2017, 54, 73-81.	1.4	39
6	Validation of a smartphone-based measurement tool for the quantification of level walking. Gait and Posture, 2015, 42, 289-294.	1.4	38
7	Stochastic resonance whole-body vibration training for chair rising performance on untrained elderly: A pilot study. Archives of Gerontology and Geriatrics, 2012, 55, 468-473.	3.0	30
8	Fear-avoidance beliefs are associated with reduced lumbar spine flexion during object lifting in pain-free adults. Pain, 2021, 162, 1621-1631.	4.2	25
9	What are the biomechanical consequences of a structural leg length discrepancy on the adolescent spine during walking?. Gait and Posture, 2019, 68, 506-513.	1.4	22
10	Testâ€“retest reliability of vertical ground reaction forces during stair climbing in the elderly population. Gait and Posture, 2011, 34, 421-425.	1.4	20
11	Spinal Compressive Forces in Adolescent Idiopathic Scoliosis With and Without Carrying Loads: A Musculoskeletal Modeling Study. Frontiers in Bioengineering and Biotechnology, 2020, 8, 159.	4.1	20
12	High-heeled walking decreases lumbar lordosis. Gait and Posture, 2017, 55, 12-14.	1.4	17
13	Musculoskeletal full-body models including a detailed thoracolumbar spine for children and adolescents aged 6â€“18â€¯years. Journal of Biomechanics, 2020, 102, 109305.	2.1	17
14	From Stoop to Squat: A Comprehensive Analysis of Lumbar Loading Among Different Lifting Styles. Frontiers in Bioengineering and Biotechnology, 2021, 9, 769117.	4.1	17
15	Effect of knee joint cooling on the electromyographic activity of lower extremity muscles during a plyometric exercise. Journal of Electromyography and Kinesiology, 2010, 20, 1075-1081.	1.7	16
16	The Relationship Between Different Body Mass Index Categories and Chair Rise Performance in Adult Women. Journal of Applied Biomechanics, 2013, 29, 705-711.	0.8	16
17	Hip-abductor fatigue influences sagittal plane ankle kinematics and shank muscle activity during a single-leg forward jump. Journal of Electromyography and Kinesiology, 2018, 43, 75-81.	1.7	15
18	Stair climbing â€“ An insight and comparison between women with and without joint hypermobility: A descriptive study. Journal of Electromyography and Kinesiology, 2015, 25, 161-167.	1.7	14

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19	Orthotic correction of lower limb function during gait does not immediately influence spinal kinematics in spastic hemiplegic cerebral palsy. Gait and Posture, 2016, 49, 457-462.	1.4	14
20	Neuromechanical gait adaptations in women with joint hypermobility â€" An exploratory study. Clinical Biomechanics, 2013, 28, 1020-1025.	1.2	13
21	Reliability and validity of trunk accelerometry-derived performance measurements in a standardized heel-rise test in elderly subjects. Journal of Rehabilitation Research and Development, 2011, 48, 1137.	1.6	12
22	Skilling up for training: a feasibility study investigating acute effects of stochastic resonance whole-body vibration on postural control of older adults. Ageing Research, 2012, 3, 5.	0.8	12
23	Measuring lumbar back motion during functional activities using a portable strain gauge sensor-based system: A comparative evaluation and reliability study. Journal of Biomechanics, 2020, 100, 109593.	2.1	11
24	Physiotherapy Research Priorities in Switzerland: Views of the Various Stakeholders. Physiotherapy Research International, 2016, 21, 137-146.	1.5	10
25	Passive anterior tibial translation in women with and without joint hypermobility: an exploratory study. International Journal of Rheumatic Diseases, 2018, 21, 1756-1762.	1.9	10
26	Identifying Motor Control Strategies and Their Role in Low Back Pain: A Cross-Disciplinary Approach Bridging Neurosciences With Movement Biomechanics. Frontiers in Pain Research, 2021, 2, 715219.	2.0	10
27	How do Patients, Politicians, Physiotherapists and Other Health Professionals View Physiotherapy Research in Switzerland? A Qualitative Study. Physiotherapy Research International, 2014, 19, 79-92.	1.5	9
28	Effects of Stochastic Resonance Whole-Body Vibration in Individuals with Unilateral Brain Lesion: A Single-Blind Randomized Controlled Trial: Whole-Body Vibration and Neuromuscular Function. Rehabilitation Research and Practice, 2018, 2018, 1-11.	0.6	8
29	Sling-based infant carrying affects lumbar and thoracic spine neuromechanics during standing and walking. Gait and Posture, 2019, 67, 172-180.	1.4	8
30	Walking and running with non-specific chronic low back pain: What about the lumbar lordosis angle?. Journal of Biomechanics, 2020, 108, 109883.	2.1	8
31	Between-session reliability of skin marker-derived spinal kinematics during functional activities. Gait and Posture, 2021, 85, 280-284.	1.4	7
32	Skin marker-based subject-specific spinal alignment modeling: A feasibility study. Journal of Biomechanics, 2022, 137, 111102.	2.1	7
33	Walking with an induced unilateral knee extension restriction affects lower but not upper body biomechanics in healthy adults. Gait and Posture, 2018, 65, 182-189.	1.4	5
34	Spinal Palpation Error and Its Impact on Skin Marker-Based Spinal Alignment Measurement in Adult Spinal Deformity. Frontiers in Bioengineering and Biotechnology, 2021, 9, 687323.	4.1	5
35	Upper extremity motion during gait in adolescents with structural leg length discrepancyâ€"An exploratory study. Gait and Posture, 2017, 53, 115-120.	1.4	4
36	Spatial distribution of erector spinae activity is related to task-specific pain-related fear during a repetitive object lifting task. Journal of Electromyography and Kinesiology, 2022, 65, 102678.	1.7	4

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37	Determinants of inpatient rehabilitation length of stay and discharge modality after hip and knee replacement surgery in Switzerland - a retrospective observational study. Swiss Medical Weekly, 2013, 143, w13832.	1.6	3
38	Aspects of Isometric Contractions and Static Balance in Women with Symptomatic and Asymptomatic Joint Hypermobility. International Journal of Physical Medicine & Rehabilitation, 2016, 4, .	0.5	2
39	Effects of Cooling on Ground Reaction Forces, Knee Kinematics, and Jump Height in Drop Jumps. Athletic Training & Sports Health Care, 2013, 5, 29-37.	0.4	2
40	The Stoop-Squat-Index: a simple but powerful measure for quantifying whole-body lifting behavior. Archives of Physiotherapy, 2022, 12, 8.	1.8	2
41	Symptoms in Daily Life and Activity Level of Women with and without Hypermobility. Rheumatology (Sunnyvale, Calif), 2018, 08, .	0.3	1
42	THU0622-HPRâ€…Discriminating Conditional and Functional Factors for Women with and Without Hypermobility â€“ an Observational Study. Annals of the Rheumatic Diseases, 2015, 74, 1316.2-1316.	0.9	0
43	Editorial: Using Motion Analysis Techniques and Musculoskeletal Modeling of the Spine to Better Understand Spinal Disorders and Evaluate Treatment Effects. Frontiers in Bioengineering and Biotechnology, 2022, 10, 884123.	4.1	0