

Stefan Schmid

List of Publications by Year in descending order

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43
papers

693
citations

567281

15
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610901

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docs citations

49
times ranked

738
citing authors

#	ARTICLE	IF	CITATIONS
1	Editorial: Using Motion Analysis Techniques and Musculoskeletal Modeling of the Spine to Better Understand Spinal Disorders and Evaluate Treatment Effects. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 884123.	4.1	0
2	The Stoop-Squat-Index: a simple but powerful measure for quantifying whole-body lifting behavior. <i>Archives of Physiotherapy</i> , 2022, 12, 8.	1.8	2
3	Skin marker-based subject-specific spinal alignment modeling: A feasibility study. <i>Journal of Biomechanics</i> , 2022, 137, 111102.	2.1	7
4	Spatial distribution of erector spinae activity is related to task-specific pain-related fear during a repetitive object lifting task. <i>Journal of Electromyography and Kinesiology</i> , 2022, 65, 102678.	1.7	4
5	Between-session reliability of skin marker-derived spinal kinematics during functional activities. <i>Gait and Posture</i> , 2021, 85, 280-284.	1.4	7
6	Spinal Palpation Error and Its Impact on Skin Marker-Based Spinal Alignment Measurement in Adult Spinal Deformity. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 687323.	4.1	5
7	Identifying Motor Control Strategies and Their Role in Low Back Pain: A Cross-Disciplinary Approach Bridging Neurosciences With Movement Biomechanics. <i>Frontiers in Pain Research</i> , 2021, 2, 715219.	2.0	10
8	Fear-avoidance beliefs are associated with reduced lumbar spine flexion during object lifting in pain-free adults. <i>Pain</i> , 2021, 162, 1621-1631.	4.2	25
9	From Stoop to Squat: A Comprehensive Analysis of Lumbar Loading Among Different Lifting Styles. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 769117.	4.1	17
10	Musculoskeletal full-body models including a detailed thoracolumbar spine for children and adolescents aged 6â€“18â€“years. <i>Journal of Biomechanics</i> , 2020, 102, 109305.	2.1	17
11	Measuring lumbar back motion during functional activities using a portable strain gauge sensor-based system: A comparative evaluation and reliability study. <i>Journal of Biomechanics</i> , 2020, 100, 109593.	2.1	11
12	Walking and running with non-specific chronic low back pain: What about the lumbar lordosis angle?. <i>Journal of Biomechanics</i> , 2020, 108, 109883.	2.1	8
13	Spinal Compressive Forces in Adolescent Idiopathic Scoliosis With and Without Carrying Loads: A Musculoskeletal Modeling Study. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 159.	4.1	20
14	What are the biomechanical consequences of a structural leg length discrepancy on the adolescent spine during walking?. <i>Gait and Posture</i> , 2019, 68, 506-513.	1.4	22
15	Sling-based infant carrying affects lumbar and thoracic spine neuromechanics during standing and walking. <i>Gait and Posture</i> , 2019, 67, 172-180.	1.4	8
16	Passive anterior tibial translation in women with and without joint hypermobility: an exploratory study. <i>International Journal of Rheumatic Diseases</i> , 2018, 21, 1756-1762.	1.9	10
17	Hip-abductor fatigue influences sagittal plane ankle kinematics and shank muscle activity during a single-leg forward jump. <i>Journal of Electromyography and Kinesiology</i> , 2018, 43, 75-81.	1.7	15
18	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. <i>Rehabilitation Research and Practice</i> , 2018, 2018, 1-11.	0.6	8

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19	Walking with an induced unilateral knee extension restriction affects lower but not upper body biomechanics in healthy adults. <i>Gait and Posture</i> , 2018, 65, 182-189.	1.4	5
20	Symptoms in Daily Life and Activity Level of Women with and without Hypermobility. <i>Rheumatology (Sunnyvale, Calif)</i> , 2018, 08, .	0.3	1
21	Upper extremity motion during gait in adolescents with structural leg length discrepancyâ€”An exploratory study. <i>Gait and Posture</i> , 2017, 53, 115-120.	1.4	4
22	Spinal kinematics during gait in healthy individuals across different age groups. <i>Human Movement Science</i> , 2017, 54, 73-81.	1.4	39
23	High-heeled walking decreases lumbar lordosis. <i>Gait and Posture</i> , 2017, 55, 12-14.	1.4	17
24	Aspects of Isometric Contractions and Static Balance in Women with Symptomatic and Asymptomatic Joint Hypermobility. <i>International Journal of Physical Medicine & Rehabilitation</i> , 2016, 4, .	0.5	2
25	Orthotic correction of lower limb function during gait does not immediately influence spinal kinematics in spastic hemiplegic cerebral palsy. <i>Gait and Posture</i> , 2016, 49, 457-462.	1.4	14
26	Physiotherapy Research Priorities in Switzerland: Views of the Various Stakeholders. <i>Physiotherapy Research International</i> , 2016, 21, 137-146.	1.5	10
27	Quantifying spinal gait kinematics using an enhanced optical motion capture approach in adolescent idiopathic scoliosis. <i>Gait and Posture</i> , 2016, 44, 231-237.	1.4	51
28	THU0622-HPRâ€”Discriminating Conditional and Functional Factors for Women with and Without Hypermobility â€” an Observational Study. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 1316.2-1316.	0.9	0
29	Reliability and validity of a smartphone-based application for the quantification of the sit-to-stand movement in healthy seniors. <i>Gait and Posture</i> , 2015, 41, 409-413.	1.4	47
30	Validation of a smartphone-based measurement tool for the quantification of level walking. <i>Gait and Posture</i> , 2015, 42, 289-294.	1.4	38
31	Stair climbing â€” An insight and comparison between women with and without joint hypermobility: A descriptive study. <i>Journal of Electromyography and Kinesiology</i> , 2015, 25, 161-167.	1.7	14
32	Using Skin Markers for Spinal Curvature Quantification in Main Thoracic Adolescent Idiopathic Scoliosis: An Explorative Radiographic Study. <i>PLoS ONE</i> , 2015, 10, e0135689.	2.5	51
33	How do Patients, Politicians, Physiotherapists and Other Health Professionals View Physiotherapy Research in Switzerland? A Qualitative Study. <i>Physiotherapy Research International</i> , 2014, 19, 79-92.	1.5	9
34	Neuromechanical gait adaptations in women with joint hypermobility â€” An exploratory study. <i>Clinical Biomechanics</i> , 2013, 28, 1020-1025.	1.2	13
35	Secondary gait deviations in patients with and without neurological involvement: A systematic review. <i>Gait and Posture</i> , 2013, 37, 480-493.	1.4	62
36	The Relationship Between Different Body Mass Index Categories and Chair Rise Performance in Adult Women. <i>Journal of Applied Biomechanics</i> , 2013, 29, 705-711.	0.8	16

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37	Effects of Cooling on Ground Reaction Forces, Knee Kinematics, and Jump Height in Drop Jumps. <i>Athletic Training & Sports Health Care</i> , 2013, 5, 29-37.	0.4	2
38	Determinants of inpatient rehabilitation length of stay and discharge modality after hip and knee replacement surgery in Switzerland - a retrospective observational study. <i>Swiss Medical Weekly</i> , 2013, 143, w13832.	1.6	3
39	Stochastic resonance whole-body vibration training for chair rising performance on untrained elderly: A pilot study. <i>Archives of Gerontology and Geriatrics</i> , 2012, 55, 468-473.	3.0	30
40	Skilling up for training: a feasibility study investigating acute effects of stochastic resonance whole-body vibration on postural control of older adults. <i>Ageing Research</i> , 2012, 3, 5.	0.8	12
41	Test-retest reliability of vertical ground reaction forces during stair climbing in the elderly population. <i>Gait and Posture</i> , 2011, 34, 421-425.	1.4	20
42	Reliability and validity of trunk accelerometry-derived performance measurements in a standardized heel-rise test in elderly subjects. <i>Journal of Rehabilitation Research and Development</i> , 2011, 48, 1137.	1.6	12
43	Effect of knee joint cooling on the electromyographic activity of lower extremity muscles during a plyometric exercise. <i>Journal of Electromyography and Kinesiology</i> , 2010, 20, 1075-1081.	1.7	16