

Ram Haddas

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

692
citations

623734

14
h-index

610901

24
g-index

46
all docs

46
docs citations

46
times ranked

619
citing authors

#	ARTICLE	IF	CITATIONS
1	Lumbar spine finite element model for healthy subjects: development and validation. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017, 20, 1-15.	1.6	106
2	The use of gait analysis in the assessment of patients afflicted with spinal disorders. <i>European Spine Journal</i> , 2018, 27, 1712-1723.	2.2	57
3	A method to quantify the "cone of economy". <i>European Spine Journal</i> , 2018, 27, 1178-1187.	2.2	38
4	Spine and lower extremity kinematics during gait in patients with cervical spondylotic myelopathy. <i>Spine Journal</i> , 2018, 18, 1645-1652.	1.3	34
5	Stress distribution in vertebral bone and pedicle screw and screw-bone load transfers among various fixation methods for lumbar spine surgical alignment: A finite element study. <i>Medical Engineering and Physics</i> , 2019, 63, 26-32.	1.7	34
6	Implementation and Patient Satisfaction of Telemedicine in Spine Physical Medicine and Rehabilitation Patients During the COVID-19 Shutdown. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2020, 99, 1079-1085.	1.4	31
7	Healthcare Engineering Defined: A White Paper. <i>Journal of Healthcare Engineering</i> , 2015, 6, 635-648.	1.9	29
8	Effect of Cervical Decompression Surgery on Gait in Adult Cervical Spondylotic Myelopathy Patients. <i>Clinical Spine Surgery</i> , 2018, 31, 435-440.	1.3	29
9	Finite element method-based study for effect of adult degenerative scoliosis on the spinal vibration characteristics. <i>Computers in Biology and Medicine</i> , 2017, 84, 53-58.	7.0	26
10	Finite element method-based study of pedicle screw-bone connection in pullout test and physiological spinal loads. <i>Medical Engineering and Physics</i> , 2019, 67, 11-21.	1.7	26
11	Functional Balance Testing in Cervical Spondylotic Myelopathy Patients. <i>Spine</i> , 2019, 44, 103-109.	2.0	23
12	Effects of Volitional Spine Stabilization and Lower Extremity Fatigue on Trunk Control During Landing in Individuals With Recurrent Low Back Pain. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2016, 46, 71-78.	3.5	16
13	Biomechanical behavior of novel composite PMMA-CaP bone cements in an anatomically accurate cadaveric vertebroplasty model. <i>Journal of Orthopaedic Research</i> , 2017, 35, 2067-2074.	2.3	16
14	Gait Alteration in Cervical Spondylotic Myelopathy Elucidated by Ground Reaction Forces. <i>Spine</i> , 2019, 44, 25-31.	2.0	15
15	Characterizing gait abnormalities in patients with cervical spondylotic myelopathy: a neuromuscular analysis. <i>Spine Journal</i> , 2019, 19, 1803-1808.	1.3	15
16	Volitional Spine Stabilization During a Drop Vertical Jump From Different Landing Heights: Implications for Anterior Cruciate Ligament Injury. <i>Journal of Athletic Training</i> , 2016, 51, 1003-1012.	1.8	14
17	Lower Extremity Fatigue, Sex, and Landing Performance in a Population With Recurrent Low Back Pain. <i>Journal of Athletic Training</i> , 2015, 50, 378-384.	1.8	13
18	Effects of volitional spine stabilization on lifting task in recurrent low back pain population. <i>European Spine Journal</i> , 2016, 25, 2833-2841.	2.2	13

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19	Finite Element Based-Analysis for Pre and Post Lumbar Fusion of Adult Degenerative Scoliosis Patients. Spine Deformity, 2019, 7, 543-552.	1.5	13
20	The Effect of Surgical Decompression on Functional Balance Testing in Patients With Cervical Spondylotic Myelopathy. Clinical Spine Surgery, 2019, 32, 369-376.	1.3	13
21	What is actually happening inside the "cone of economy" compensatory mechanisms during a dynamic balance test. European Spine Journal, 2020, 29, 2319-2328.	2.2	13
22	Clinical Gait Analysis on a Patient Undergoing Surgical Correction of Kyphosis from Severe Ankylosing Spondylitis. International Journal of Spine Surgery, 2017, 11, 18.	1.5	13
23	The Relationship Between Fear-Avoidance and Objective Biomechanical Measures of Function in Patients With Adult Degenerative Scoliosis. Spine, 2018, 43, 647-653.	2.0	12
24	The Change in Sway and Neuromuscular Activity in Adult Degenerative Scoliosis Patients Pre and Post Surgery Compared With Controls. Spine, 2019, 44, E899-E907.	2.0	10
25	The Relationship Between Fear-Avoidance and Neuromuscular Measures of Function in Patients With Adult Degenerative Scoliosis. Spine, 2018, 43, E1412-E1421.	2.0	9
26	Cone of economy classification: evolution, concept of stability, severity level, and correlation to patient-reported outcome scores. European Spine Journal, 2021, 30, 2271-2282.	2.2	9
27	The Effect of Surgical Decompression and Fusion on Functional Balance in Patients With Degenerative Lumbar Spondylolisthesis. Spine, 2020, 45, E878-E884.	2.0	7
28	The Gait Deviation Index as an indicator of gait abnormality among degenerative spinal pathologies. European Spine Journal, 2020, 29, 2591-2599.	2.2	5
29	Representative dynamic ranges of spinal alignment during gait in patients with mild and severe adult spinal deformities. Spine Journal, 2021, 21, 518-527.	1.3	5
30	Spine Surgeons Social Dilemma: Benefits and Risks of Social Media for Spine Surgery Practice in the 21st Century. Global Spine Journal, 2023, 13, 1441-1449.	2.3	5
31	Effects of Gender and Recurrent Low Back Pain on Lifting Style. Central European Journal of Sport Sciences and Medicine, 2015, 11, 15-28.	0.1	5
32	The Correlation of Spinopelvic Parameters With Biomechanical Parameters Measured by Gait and Balance Analyses in Patients With Adult Degenerative Scoliosis. Clinical Spine Surgery, 2020, 33, E33-E39.	1.3	4
33	Balance effort, Cone of Economy, and dynamic compensatory mechanisms in common degenerative spinal pathologies. Gait and Posture, 2021, 89, 67-73.	1.4	4
34	Fear-avoidance and Patients' Reported Outcomes are Strongly Correlated With Biomechanical Gait Parameters in Cervical Spondylotic Myelopathy Patients. Clinical Spine Surgery, 2021, 34, E289-E294.	1.3	4
35	A Comparison of Muscular Activity During Gait Between Walking Sticks and a Walker in Patients With Adult Degenerative Scoliosis. Spine Deformity, 2019, 7, 454-466.	1.5	3
36	Cervical Decompression Surgery Normalizes Gait Ground Reaction Forces in Patients With Cervical Spondylotic Myelopathy. Spine, 2020, 45, E1134-E1141.	2.0	3

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37	Kinematic comparison of the use of walking sticks versus a rolling walker during gait in adult degenerative scoliosis patients. <i>Spine Deformity</i> , 2020, 8, 717-723.	1.5	3
38	Does improved radiographic alignment truly enhance dynamic functional balance?. <i>Spine Deformity</i> , 2020, 8, 685-694.	1.5	3
39	Lumbar Decompression and Interbody Fusion Improves Gait Performance, Pain, and Psychosocial Factors of Patients With Degenerative Lumbar Spondylolisthesis. <i>Global Spine Journal</i> , 2021, 11, 472-479.	2.3	3
40	Is Golf a Contact Sport? Protection of the Spine and Return to Play After Lumbar Surgery. <i>Global Spine Journal</i> , 2022, 12, 298-307.	2.3	3
41	Effects of Volitional Spine Stabilization on Trunk Control During Asymmetric Lifting Task in Patients With Recurrent Low Back Pain. <i>Global Spine Journal</i> , 2020, 10, 1006-1014.	2.3	2
42	Functional Ability Classification Based on Moderate and Severe Kinesophobia and Demoralization Scores in Degenerative Spine Patients. <i>Spine</i> , 2021, 46, E826-E831.	2.0	2
43	Reporting and tracking objective functional outcome measures: implementation of a summary report for gait and balance measures. <i>Spine Journal</i> , 2021, 21, 1193-1204.	1.3	2
44	Accuracy of various fluoroscopic landmarks for determination of midline implant placement within the cervical disc space. <i>European Spine Journal</i> , 2021, 30, 554-559.	2.2	1
45	Assessing the cone of economy in patients with spinal disease using only a force plate: an observational retrospective cohort study. <i>European Spine Journal</i> , 2021, 30, 2504-2513.	2.2	1