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List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

728
citations

687363

13
h-index

552781

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49
docs citations

49
times ranked

640
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomechanical Evaluation of Capsulotomy, Capsulectomy, and Capsular Repair on Hip Rotation. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2015, 31, 1511-1517.	2.7	167
2	Capsulotomy Size Affects Hip Joint Kinematic Stability. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2016, 32, 1571-1580.	2.7	88
3	In Vivo Topographic Analysis of Lumbar Facet Joint Space Width Distribution in Healthy and Symptomatic Subjects. <i>Spine</i> , 2012, 37, 1058-1064.	2.0	52
4	Emerging Ideas: Novel 3-D Quantification and Classification of Cam Lesions in Patients With Femoroacetabular Impingement. <i>Clinical Orthopaedics and Related Research</i> , 2013, 471, 358-362.	1.5	40
5	Ligamentum Flavum Hypertrophy in Asymptomatic and Chronic Low Back Pain Subjects. <i>PLoS ONE</i> , 2015, 10, e0128321.	2.5	31
6	In Vivo Measurement of Lumbar Facet Joint Area in Asymptomatic and Chronic Low Back Pain Subjects. <i>Spine</i> , 2010, 35, 924-928.	2.0	29
7	Biomechanics of the Lumbar Facet Joint. <i>Spine Surgery and Related Research</i> , 2020, 4, 1-7.	0.7	23
8	In Vivo Three-Dimensional Morphometric Analysis of the Lumbar Pedicle Isthmus. <i>Spine</i> , 2009, 34, 2599-2604.	2.0	22
9	Impact of Femoroacetabular Impingement Morphology on Gait Assessment in Symptomatic Patients. <i>Sports Health</i> , 2015, 7, 429-436.	2.7	19
10	CT-based morphometric analysis of the occipital condyle: focus on occipital condyle screw insertion. <i>Journal of Neurosurgery: Spine</i> , 2016, 25, 572-579.	1.7	18
11	Preoperative paraspinal neck muscle characteristics predict early onset adjacent segment degeneration in anterior cervical fusion patients: A machine learning modeling analysis. <i>Journal of Orthopaedic Research</i> , 2021, 39, 1732-1744.	2.3	18
12	1.5T magnetic resonance imaging generates accurate 3D proximal femoral models: Surgical planning implications for femoroacetabular impingement. <i>Journal of Orthopaedic Research</i> , 2020, 38, 2050-2056.	2.3	18
13	Computed Tomography-Based Three-Dimensional Analyses Show Similarities in Anterosuperior Acetabular Coverage Between Acetabular Dysplasia and Borderline Dysplasia. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2020, 36, 2623-2632.	2.7	16
14	Squat and gait biomechanics 6 months following hip arthroscopy for femoroacetabular impingement syndrome. <i>Journal of Hip Preservation Surgery</i> , 2020, 7, 27-37.	1.3	15
15	ISSLS PRIZE in Clinical Science 2022: Epidemiology, risk factors and clinical impact of juvenile Modic changes in paediatric patients with low back pain. <i>European Spine Journal</i> , 2022, 31, 1069-1079.	2.2	14
16	Image-Based Markers Predict Dynamic Instability in Lumbar Degenerative Spondylolisthesis. <i>Neurospine</i> , 2020, 17, 221-227.	2.9	12
17	Effects of Axial Torsion on Disc Height Distribution: An In Vivo Study. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2016, 39, 294-303.	0.9	11
18	Changes in Lumbar Endplate Area and Concavity Associated With Disc Degeneration. <i>Spine</i> , 2018, 43, E1127-E1134.	2.0	11

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19	In vivo measurement of vertebral endplate surface area along the whole spine. <i>Journal of Orthopaedic Research</i> , 2016, 34, 1418-1430.	2.3	10
20	Impaired Lower Extremity Biomechanics, Hip External Rotation Muscle Weakness, and Proximal Femoral Morphology Predict Impaired Single-Leg Squat Performance in People With FAI Syndrome. <i>American Journal of Sports Medicine</i> , 2021, 49, 2984-2993.	4.2	10
21	Artificial intelligence and spine imaging: limitations, regulatory issues and future direction. <i>European Spine Journal</i> , 2022, , 1.	2.2	10
22	Three-dimensional curvature mismatch of the acetabular radius to the femoral head radius is increased in borderline dysplastic hips. <i>PLoS ONE</i> , 2020, 15, e0231001.	2.5	9
23	MRI and CT based metrics for the quantification of arthroscopic bone resections in femoroacetabular impingement syndrome. <i>Journal of Orthopaedic Research</i> , 2022, 40, 1174-1181.	2.3	9
24	Lumbar facet joint subchondral bone density in low back pain and asymptomatic subjects. <i>Skeletal Radiology</i> , 2020, 49, 571-576.	2.0	8
25	Implementation of a markerless motion analysis method to quantify hyperkinesis in males with fragile X syndrome. <i>Gait and Posture</i> , 2014, 39, 827-830.	1.4	7
26	Cervical endplate bone density distribution measured by CT osteoabsorptiometry and direct comparison with mechanical properties of the endplate. <i>European Spine Journal</i> , 2021, 30, 2557-2564.	2.2	7
27	Assessment of Hip Translation In Vivo in Patients With Femoroacetabular Impingement Syndrome Using 3-Dimensional Computed Tomography. <i>Arthroscopy, Sports Medicine, and Rehabilitation</i> , 2020, 2, e113-e120.	1.7	6
28	Three-dimensional hip joint congruity evaluation of the borderline dysplasia: Zonal acetabular radius of curvature. <i>Journal of Orthopaedic Research</i> , 2020, 38, 2197-2205.	2.3	6
29	Mechanical, Electrochemical and Biological Behavior of 3D Printed-Porous Titanium for Biomedical Applications. <i>Journal of Bio- and Tribo-Corrosion</i> , 2021, 7, 1.	2.6	6
30	Evaluation of Statistical Shape Modeling in Quantifying Femoral Morphologic Differences Between Symptomatic and Nonsymptomatic Hips in Patients with Unilateral Femoroacetabular Impingement Syndrome. <i>Arthroscopy, Sports Medicine, and Rehabilitation</i> , 2020, 2, e91-e95.	1.7	6
31	Regional distribution of computed tomography attenuation across the lumbar endplate. <i>PLoS ONE</i> , 2021, 16, e0259001.	2.5	5
32	In vitro biomechanical evaluation of a monocoque plate-spacer construct for cervical open-door laminoplasty. <i>PLoS ONE</i> , 2018, 13, e0204147.	2.5	4
33	Biomechanical and Anatomical Validity of the Short Posterior Arch Screw. <i>Neurospine</i> , 2019, 16, 347-353.	2.9	4
34	Corrosion Behavior of Selective Laser Melting (SLM) Manufactured Ti6Al4V Alloy in Saline and BCS Solution. <i>Journal of Bio- and Tribo-Corrosion</i> , 2022, 8, 1.	2.6	4
35	Spatial geometric and magnetic resonance signal intensity changes with advancing stages of nucleus pulposus degeneration. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 473.	1.9	3
36	Micro-computed tomography analysis of the lumbar pedicle wall. <i>PLoS ONE</i> , 2021, 16, e0253019.	2.5	3

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37	The Effect of Additive Manufacturing Parameters on Microstructure and Mechanical Properties of Biomedical Grade Ti-6Al-4V Alloy. , 2022, , 265-281.		3
38	CT Osteoabsorptiometry Assessment of Subchondral Bone Density Predicts Intervertebral Implant Subsidence in a Human ACDF Cadaver Model. Global Spine Journal, 2021, , 219256822110348.	2.3	2
39	Three-dimensional distribution of CT attenuation in the lumbar spine pedicle wall. Scientific Reports, 2021, 11, 1709.	3.3	2
40	Simultaneous In Vitro Measurement of Intervertebral Disc Bulging and Pressure. , 2009, , .		0
41	3D Analysis of Lumbar Spine Facet Joint Cartilage Thickness Distribution. , 2011, , .		0
42	Disc Torsion Mechanics: Comparison of Animal Models to Human. , 2011, , .		0
43	Instantaneous Axis of Rotation for Lumbar Spine Torsion Measured In Vivo. , 2013, , .		0
44	Lumbar Spine Capsule Strain After Total Disc Replacement. , 2010, , .		0
45	Non-Contact Experimental Assessment of Spinal Facet Joint Cartilage Dehydration. , 2012, , .		0
46	3D Computed-Tomography Models for In Vivo Analysis of the Neural Foramen Geometry After Anterior Cervical Decompression and Fusion. , 2013, , .		0
47	Efficient Construction of Statistical Shape Models for Patient-Specific Modeling. , 2013, , .		0
48	Four-dimensional computed tomography evaluation of shoulder joint motion in collegiate baseball pitchers. Scientific Reports, 2022, 12, 3231.	3.3	0