Niels Hammer

List of Publications by Year
in descending order

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Version: 2024-02-01

		218677	302126
162	2,630	26	39
papers	citations	h-index	g-index

176	176	176	2378
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Being there again â€“ Presence in real and virtual environments and its relation to usability and user experience using a mobile navigation task. International Journal of Human Computer Studies, 2017, 101, 76-87.	5.6	82
2	Comparison of modified thiel embalming and ethanolâ€glycerin fixation in an anatomy environment: Potentials and limitations of two complementary techniques. Anatomical Sciences Education, 2015, 8, 74-85.	3.7	81
3	Ethanolâ€glycerin fixation with thymol conservation: A potential alternative to formaldehyde and phenol embalming. Anatomical Sciences Education, 2012, 5, 225-233.	3.7	78
4	Mechanical Properties of Human Dura Mater in Tension â€“ An Analysis at an Age Range of 2 to 94 Years. Scientific Reports, 2019, 9, 16655.	3.3	72
5	Human Vagus Nerve Branching in the Cervical Region. PLoS ONE, 2015, 10, e0118006.	2.5	69
6	Ligamentous influence in pelvic load distribution. Spine Journal, 2013, 13, 1321-1330.	1.3	62
7	Deformation behavior of the iliotibial tract under different states of fixation. Medical Engineering and Physics, 2012, 34, 1221-1227.	1.7	58
8	Cervical vagus nerve morphometry and vascularity in the context of nerve stimulation - A cadaveric study. Scientific Reports, 2018, 8, 7997.	3.3	57
9	Sonographic evaluation of the vagus nerves: Protocol, reference values, and sideâ€toâ€side differences. Muscle and Nerve, 2018, 57, 766-771.	2.2	49
10	Water-content related alterations in macro and micro scale tendon biomechanics. Scientific Reports, 2019, 9, 7887.	3.3	49
11	Chest compression-associated injuries in cardiac arrest patients treated with manual chest compressions versus automated chest compression devices (LUCAS II) â€“ a forensic autopsy-based comparison. Forensic Science, Medicine, and Pathology, 2018, 14, 515-525.	1.4	47
12	Ultimate stress and age-dependent deformation characteristics of the iliotibial tract. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 16, 81-86.	3.1	46
13	Novel Insights Into the Sacroiliac Joint Ligaments. Spine, 2010, 35, 257-263.	2.0	45
14	The sacrotuberous and the sacrospinous ligament â€“ A virtual reconstruction. Annals of Anatomy, 2009, 191, 417-425.	1.9	43
15	Utilization of 3D printing technology to facilitate and standardize soft tissue testing. Scientific Reports, 2018, 8, 11340.	3.3	42
16	Ethanol and formaldehyde fixation irreversibly alter bones' organic matrix. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 29, 252-258.	3.1	41
17	Reevaluation of the arterial blood supply of the auricle. Journal of Anatomy, 2017, 230, 315-324.	1.5	37
18	Mechanical properties of human oral mucosa tissues are site dependent: A combined biomechanical, histological and ultrastructural approach. Clinical and Experimental Dental Research, 2020, 6, 602-611.	1.9	37

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19	PhenoxyethanolâEBased Embalming for Anatomy Teaching: An 18 Years' Experience with Crosado Embalming at the University of Otago in New Zealand. Anatomical Sciences Education, 2020, 13, 778-793.	3.7	35
20	Do Cells Contribute to Tendon and Ligament Biomechanics?. PLoS ONE, 2014, 9, e105037.	2.5	35
21	Acellularization-Induced Changes in Tensile Properties Are Organ Specific - An In-Vitro Mechanical and Structural Analysis of Porcine Soft Tissues. PLoS ONE, 2016, 11, e0151223.	2.5	32
22	Substitution of Formaldehyde in Cross Anatomy Is Possible. Journal of the National Cancer Institute, 2011, 103, 610-611.	6.3	31
23	Subthalamic nucleus volumes are highly consistent but decrease age-dependently-a combined magnetic resonance imaging and stereology approach in humans. Human Brain Mapping, 2017, 38, 909-922.	3.6	31
24	Intra-individual alterations of serum markers routinely used in forensic pathology depending on increasing post-mortem interval. Scientific Reports, 2018, 8, 12811.	3.3	30
25	Description of the iliolumbar ligament for computer-assisted reconstruction. Annals of Anatomy, 2010, 192, 162-167.	1.9	29
26	The extent of ligament injury and its influence on pelvic stability following type II anteroposterior compression pelvic injuriesâEâ“A computer study to gain insight into open book trauma. Journal of Orthopaedic Research, 2014, 32, 873-879.	2.3	29
27	Tensile properties of the hip joint ligaments are largely variable and age-dependent â€“ An in-vitro analysis in an age range of 14â€“93 years. Journal of Biomechanics, 2016, 49, 3437-3443.	2.1	29
28	Physiological inÂvitro sacroiliac joint motion: a study on threeâ€dimensional posterior pelvic ring kinematics. Journal of Anatomy, 2019, 234, 346-358.	1.5	28
29	Tissue biomechanics of the human head are altered by Thiel embalming, restricting its use for biomechanical validation. Clinical Anatomy, 2019, 32, 903-913.	2.7	27
30	Finite element analysis of load transition on sacroiliac joint during bipedal walking. Scientific Reports, 2020, 10, 13683.	3.3	27
31	Pelvic Belt Effects on Health Outcomes and Functional Parameters of Patients with Sacroiliac Joint Pain. PLoS ONE, 2015, 10, e0136375.	2.5	26
32	Pelvic belt effects on sacroiliac joint ligaments: a computational approach to understand therapeutic effects of pelvic belts. Pain Physician, 2014, 17, 43-51.	0.4	26
33	Pelvic Belt Effects on Pelvic Morphometry, Muscle Activity and Body Balance in Patients with Sacroiliac Joint Dysfunction. PLoS ONE, 2015, 10, e0116739.	2.5	25
34	Survival-time dependent increase in neuronal IL-6 and astroglial GFAP expression in fatally injured human brain tissue. Scientific Reports, 2019, 9, 11771.	3.3	25
35	Mechanical properties of the human scalp in tension. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 84, 188-197.	3.1	23
36	An Investigation on the Correlation between the Mechanical Properties of Human Skull Bone, Its Geometry, Microarchitectural Properties, and Water Content. Journal of Healthcare Engineering, 2019, 2019, 1-8.	1.9	22

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37	Load and failure behavior of human muscle samples in the context of proximal femur replacement. BMC Musculoskeletal Disorders, 2016, 17, 149.	1.9	21
38	Biomechanical analysis of stiffness and fracture displacement after using PMMA-augmented sacroiliac screw fixation for sacrum fractures. Biomedizinische Technik, 2017, 62, 421-428.	0.8	21
39	Presence and User Experience in a Virtual Environment under the Influence of Ethanol: An Explorative Study. Scientific Reports, 2018, 8, 6407.	3.3	21
40	Teaching surgical exposures to undergraduate medical students: an integration concept for anatomical and surgical education. Archives of Orthopaedic and Trauma Surgery, 2015, 135, 795-803.	2.4	20
41	Biomechanical evaluation of hybrid double plate osteosynthesis using a locking plate and an inverted third tubular plate for the treatment of proximal humeral fractures. PLoS ONE, 2018, 13, e0206349.	2.5	20
42	The arterial blood supply of the helical rim and the earlobe-based advancement flap (ELBAF): A new strategy for reconstructions of helical rim defects. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2015, 68, 56-62.	1.0	19
43	Elastic behavior of brain simulants in comparison to porcine brain at different loading velocities. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 77, 609-615.	3.1	19
44	Tensile properties of the human iliotibial tract depend on height and weight. Medical Engineering and Physics, 2019, 69, 85-91.	1.7	19
45	Post-mortem in situ stability of serum markers of cerebral damage and acute phase response. International Journal of Legal Medicine, 2019, 133, 871-881.	2.2	19
46	An ossifying bridge â€“ on the structural continuity between the Achilles tendon and the plantar fascia. Scientific Reports, 2020, 10, 14523.	3.3	19
47	Median nerve fascicular anatomy as a basis for distal neural prostheses. Annals of Anatomy, 2014, 196, 144-149.	1.9	18
48	Tissue Engineering of Ureteral Grafts: Preparation of Biocompatible Crosslinked Ureteral Scaffolds of Porcine Origin. Frontiers in Bioengineering and Biotechnology, 2015, 3, 89.	4.1	18
49	Passive load-deformation properties of human temporal muscle. Journal of Biomechanics, 2020, 106, 109829.	2.1	18
50	Comparison of the Fluid Resuscitation Rate with and without External Pressure Using Two Intraosseous Infusion Systems for Adult Emergencies, the CITRIN (Comparison of InTRaosseous) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	2.3	18
51	Influence of short-term fixation with mixed formalin or ethanol solution on the mechanical properties of human cortical bone. Current Directions in Biomedical Engineering, 2015, 1, 335-339.	0.4	17
52	The Stress-Strain Data of the Hip Capsule Ligaments Are Gender and Side Independent Suggesting a Smaller Contribution to Passive Stiffness. PLoS ONE, 2016, 11, e0163306.	2.5	17
53	Standardized tensile testing of soft tissue using a 3D printed clamping system. HardwareX, 2020, 8, e00159.	2.2	17
54	Organotypic Hippocampal Slice Cultures As a Model to Study Neuroprotection and Invasiveness of Tumor Cells. Journal of Visualized Experiments, 2017, , .	0.3	16

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55	Migrating Myofibroblastic Iliotibial Band-Derived Fibroblasts Represent a Promising Cell Source for Ligament Reconstruction. International Journal of Molecular Sciences, 2019, 20, 1972.	4.1	16
56	How to Avoid Posterior Interosseous Nerve Injury During Single-Incision Distal Biceps Repair Drilling. Clinical Orthopaedics and Related Research, 2019, 477, 424-431.	1.5	16
57	Mechanical properties of native and acellular temporal muscle fascia for surgical reconstruction and computational modelling purposes. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 108, 103833.	3.1	16
58	Quantification of material slippage in the iliotibial tract when applying the partial plastination clamping technique. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 49, 112-117.	3.1	15
59	Positional Relations of the Cervical Vagus Nerve Revisited. Neuromodulation, 2017, 20, 361-368.	0.8	15
60	GFAP positivity in neurons following traumatic brain injuries. International Journal of Legal Medicine, 2021, 135, 2323-2333.	2.2	15
61	An algorithm for the calculation of threeâ€dimensional collagen fiber orientation in ligaments using angleâ€sensitive MRI. Magnetic Resonance in Medicine, 2013, 69, 1594-1602.	3.0	14
62	A preliminary technical study on sodium dodecyl sulfate-induced changes of the nano-structural and macro-mechanical properties in human iliotibial tract specimens. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 61, 164-173.	3.1	14
63	Pelvic orthosis effects on posterior pelvis kinematics An in-vitro biomechanical study. Scientific Reports, 2018, 8, 15980.	3.3	14
64	Frequency and intensity of pulmonary bone marrow and fat embolism due to manual or automated chest compressions during cardiopulmonary resuscitation. Forensic Science, Medicine, and Pathology, 2019, 15, 48-55.	1.4	14
65	Innervation of the hip joint capsular complex: A systematic review of histological and immunohistochemical studies and their clinical implications for contemporary treatment strategies in total hip arthroplasty. PLoS ONE, 2020, 15, e0229128.	2.5	14
66	Ligamentâ€induced sacral fractures of the pelvis are possible. Clinical Anatomy, 2014, 27, 770-777.	2.7	13
67	Reference data on muscle volumes of healthy human pelvis and lower extremity muscles: an in vivo magnetic resonance imaging feasibility study. Surgical and Radiologic Anatomy, 2016, 38, 97-106.	1.2	13
68	Takotsubo cardiomyopathy â€“ An unexpected complication in spine surgery. International Journal of Surgery Case Reports, 2015, 6, 172-174.	0.6	12
69	Finite element models and material data for analysis of infant head impacts. Heliyon, 2018, 4, e01010.	3.2	12
70	The impact of capsular repair on the risk for dislocation after revision total hip arthroplasty â€“ a retrospective cohort-study of 259 cases. BMC Musculoskeletal Disorders, 2018, 19, 314.	1.9	12
71	Anterior cervical spine blood supply: a cadaveric study. Surgical and Radiologic Anatomy, 2019, 41, 607-611.	1.2	12
72	External fixation of unstable pelvic fractures: a systematic review and metaâ€analysis. ANZ Journal of Surgery, 2019, 89, 1022-1027.	0.7	12

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73	A systematic review of the morphology and function of the sacrotuberous ligament. Clinical Anatomy, 2019, 32, 396-407.	2.7	12
74	Topographical mapping of the mechanical characteristics of the human neurocranium considering the role of individual layers. Scientific Reports, 2021, 11, 3721.	3.3	12
75	Vascular branches from cutaneous nerve of the forearm and hand: Application to better understanding raynaud's disease. Clinical Anatomy, 2018, 31, 734-741.	2.7	11
76	Consumption of sheep milk compared to cow milk can affect trabecular bone ultrastructure in a rat model. Food and Function, 2019, 10, 163-171.	4.6	11
77	On the morphological relations of the Achilles tendon and plantar fascia via the calcaneus: a cadaveric study. Scientific Reports, 2021, 11, 5986.	3.3	11
78	Peri-arterial Autonomic Innervation of the Human Ear. Scientific Reports, 2018, 8, 11469.	3.3	10
79	Ossification of the Ligamentum Flavum in a Nineteenth-Century Skeletal Population Sample from Ireland: Using Bioarchaeology to Reveal a Neglected Spine Pathology. Scientific Reports, 2018, 8, 9313.	3.3	10
80	How much force is required to perforate a colon during colonoscopy? An experimental study. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 91, 139-148.	3.1	10
81	Sacroiliac Joint Ligaments and Sacroiliac Pain: A Caseâ€“Control Study on Micro- and Ultrastructural Findings on Morphologic Alterations. Pain Physician, 2019, 6, E615-E625.	0.4	10
82	Implementing Conventional Zamorano Dujovny Frames versus Individually Manufactured microTargetingÂ™ Platforms - A Comparative Study on Deep Brain Stimulation in Parkinson Patients. Stereotactic and Functional Neurosurgery, 2013, 91, 392-398.	1.5	9
83	On the permanent hip-stabilizing effect of atmospheric pressure. Journal of Biomechanics, 2014, 47, 2660-2665.	2.1	9
84	A novel phasedâ€concept course for the delivery of anatomy and orthopedics training in medical education. Anatomical Sciences Education, 2017, 10, 372-382.	3.7	9
85	Preliminary biomechanical results of a novel pin configuration for external fixation of vertical shear pelvic fractures. ANZ Journal of Surgery, 2018, 88, 1051-1055.	0.7	9
86	A biomechanical comparison between human calvarial bone and a skull simulant considering the role of attached periosteum and dura mater. International Journal of Legal Medicine, 2019, 133, 1603-1610.	2.2	9
87	In-silico pelvis and sacroiliac joint motionâ€”A review on published research using numerical analyses. Clinical Biomechanics, 2019, 61, 95-104.	1.2	9
88	Experimental validation of adaptive pedicle screwsâ€”a novel implant concept using shape memory alloys. Medical and Biological Engineering and Computing, 2020, 58, 55-65.	2.8	9
89	A systematic review and meta-analysis of the hip capsule innervation and its clinical implications. Scientific Reports, 2021, 11, 5299.	3.3	9
90	Computed tomography osteoabsorptiometry-based investigation on subchondral bone plate alterations in sacroiliac joint dysfunction. Scientific Reports, 2021, 11, 8652.	3.3	9

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91	Assessing Protein Biomarkers to Detect Lethal Acute Traumatic Brain Injuries in Cerebrospinal Fluid. Biomolecules, 2021, 11, 1577.	4.0	9
92	On the suitability of Thielâ€fixed samples for biomechanical purposes: Critical considerations on the articles of Liao et al. â€œelastic properties of Thielâ€embalmed human ankle tendon and ligamentâ€•and Verstraete et al. â€œimpact of drying and thiel embalming on mechanical properties of achilles tendonsâ€• Clinical Anatomy, 2016, 29, 424-425.	2.7	8
93	Novel concept of a modular hip implant could contribute to less implant failure in THA: a hypothesis. Patient Safety in Surgery, 2018, 12, 1.	2.3	8
94	Quantification of fat in the posterior sacroiliac joint region: fat volume is sex and age dependant. Scientific Reports, 2019, 9, 14935.	3.3	8
95	In Silico Pelvis and Sacroiliac Joint Motion: Refining a Model of the Human Osteoligamentous Pelvis for Assessing Physiological Load Deformation Using an Inverted Validation Approach. BioMed Research International, 2019, 2019, 1-12.	1.9	8
96	Effects of Cutting the Sacrospinous and Sacrotuberous Ligaments. Clinical Anatomy, 2019, 32, 231-237.	2.7	8
97	What Is Considered a Variation of Biomechanical Parameters in Tensile Tests of Collagen-Rich Human Soft Tissues?â€”Critical Considerations Using the Human Cranial Dura Mater as a Representative Morpho-Mechanic Model. Medicina (Lithuania), 2020, 56, 520.	2.0	8
98	Oblique sectional planes of block plastinates eased by Sac Plastination. Annals of Anatomy, 2012, 194, 404-406.	1.9	7
99	Anatomical structures at risk using different approaches for sacrospinous ligament fixation. Clinical Anatomy, 2020, 33, 522-529.	2.7	7
100	Realistic Haptic Feedback for Material Removal in Medical Simulations. , 2020, , .		7
101	Preliminary observations of the sequence of damage in excised human juvenile cranial bone at speeds equivalent to falls from 1.6 m. International Journal of Legal Medicine, 2021, 135, 527-538.	2.2	7
102	Biomechanical characterization of human temporal muscle fascia in uniaxial tensile tests for graft purposes in duraplasty. Scientific Reports, 2021, 11, 2127.	3.3	7
103	Ultrasound in legal medicineâ€”a missed opportunity or simply too late? A narrative review of ultrasonic applications in forensic contexts. International Journal of Legal Medicine, 2021, 135, 2363-2383.	2.2	7
104	Spectrophotometric measurements of human tissues for the detection of subjacent blood vessels in an endonasal endoscopic surgical approach. Journal of Biophotonics, 2013, 6, 310-313.	2.3	6
105	Thoracostomy. Notfall Und Rettungsmedizin, 2018, 21, 212-224.	0.3	6
106	Third primary branch of the posterior ramus of the spinal nerve at the thoracolumbar region: a cadaveric study. Surgical and Radiologic Anatomy, 2019, 41, 951-961.	1.2	6
107	A cadaver-based biomechanical model of acetabulum reaming for surgical virtual reality training simulators. Scientific Reports, 2020, 10, 14545.	3.3	6
108	Quantification of fat in the posterior sacroiliac joint region applying a semi-automated segmentation method. Computer Methods and Programs in Biomedicine, 2020, 191, 105386.	4.7	6

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109	Quantitative evaluation of the sacroiliac joint fixation in stress reduction on both sacroiliac joint cartilage and ligaments: A finite element analysis. Clinical Biomechanics, 2021, 85, 105350.	1.2	6
110	Intra-Operative Detection of a Left-Sided Non-Recurrent Laryngeal Nerve during Vagus Nerve Stimulator Implantation. Medicina (Lithuania), 2020, 56, 489.	2.0	6
111	A Systematic Review of the Normal Sacroiliac Joint Anatomy and Adjacent Tissues for Pain Physicians. Pain Physician, 2019, 22, E247-E274.	0.4	6
112	The Effect of Low-Processing Temperature on the Physicochemical and Mechanical Properties of Bovine Hydroxyapatite Bone Substitutes. Materials, 2022, 15, 2798.	2.9	6
113	Combined spectrophotometry and tensile measurements of human connective tissues: potentials and limitations. Journal of Biomedical Optics, 2013, 18, 060506.	2.6	5
114	The utility and benefit of a newly established postgraduate training course in surgical exposures for orthopedic and trauma surgery. Archives of Orthopaedic and Trauma Surgery, 2019, 139, 1673-1680.	2.4	5
115	Subchondral bone strength of the sacroiliac joint-a combined approach using computed tomography osteoabsorptiometry (CT-OAM) imaging and biomechanical validation. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 111, 103978.	3.1	5
116	Load-deformation characteristics of acellular human scalp: assessing tissue grafts from a material testing perspective. Scientific Reports, 2020, 10, 19243.	3.3	5
117	Screening for Fatal Traumatic Brain Injuries in Cerebrospinal Fluid Using Blood-Validated CK and CKâ€“MB Immunoassays. Biomolecules, 2021, 11, 1061.	4.0	5
118	Management of women with pregnancy-related pelvic girdle pain: an international Delphi study. Physiotherapy, 2022, 115, 66-84.	0.4	5
119	Bone mineral density modeling via random field: Normality, stationarity, sex and age dependence. Computer Methods and Programs in Biomedicine, 2021, 210, 106353.	4.7	5
120	On the correlations of biomechanical properties of super-imposed temporal tissue layers and their age-, sex-, side- and post-mortem interval dependence. Journal of Biomechanics, 2022, 130, 110847.	2.1	5
121	The Corona mortis is similar in size to the regular obturator artery, but is highly variable at the level of origin: an anatomical study. Anatomical Science International, 2023, 98, 43-53.	1.0	5
122	Immediate and six-week effects of wearing a knee sleeve following anterior cruciate ligament reconstruction on knee kinematics and kinetics: a cross-over laboratory and randomised clinical trial. BMC Musculoskeletal Disorders, 2022, 23, .	1.9	5
123	Demonstration of pelvic anatomy by modified midline transection that maintains intact internal pelvic organs. Anatomical Sciences Education, 2010, 3, 254-260.	3.7	4
124	Unilateral multi-target deep brain stimulation in hemidystonia and hemichoreoathetosis following ischemic thalamic stroke. Basal Ganglia, 2016, 6, 153-156.	0.3	4
125	Pelvic and lower extremity physiological cross-sectional areas: an MRI study of the living young and comparison to published research literature. Surgical and Radiologic Anatomy, 2017, 39, 849-857.	1.2	4
126	Decellularized Iliotibial Band Recolonized with Allogenic Homotopic Fibroblasts or Bone Marrow-Derived Mesenchymal Stromal Cells. Methods in Molecular Biology, 2017, 1577, 55-69.	0.9	4

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127	Can the Diagnostics of Triangular Fibrocartilage Complex Lesions Be Improved by MRI-Based Soft-Tissue Reconstruction? An Imaging-Based Workup and Case Presentation. BioMed Research International, 2017, 2017, 1-7.	1.9	4
128	Is Pelvic Floor Dysfunction Associated With Development of Transient Low Back Pain During Prolonged Standing? A Protocol. Clinical Medicine Insights Women's Health, 2019, 12, 1179562X1984960.	0.6	4
129	The Effect of the Supplementation of a Diet Low in Calcium and Phosphorus with Either Sheep Milk or Cow Milk on the Physical and Mechanical Characteristics of Bone using A Rat Model. Foods, 2020, 9, 1070.	4.3	4
130	Surface coating and speckling of the human iliotibial tract does not affect its load-deformation properties. Scientific Reports, 2020, 10, 20747.	3.3	4
131	Assessment of plantaris and peroneus tertius tendons as graft materials for ankle ligament reconstructions â€“ A cadaveric biomechanical study. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 115, 104244.	3.1	4
132	The dynamic impact behavior of the human neurocranium. Scientific Reports, 2021, 11, 11331.	3.3	4
133	The Value of a Modified Wiltse Approach for Deformity Correction in Neuromuscular Scoliosis. International Journal of Spine Surgery, 2020, 14, 170-174.	1.5	4
134	A Rare Case of Facial Artery Branchingâ€”A Review of the Literature and a Case Report with Clinical Implications. Medicina (Lithuania), 2021, 57, 1172.	2.0	4
135	When and why was the phrenicoabdominal branch of the left phrenic nerve placed into the esophageal hiatus in German textbooks of anatomy? An anatomical study on 400 specimens reevaluating its course through the diaphragm. Annals of Anatomy, 2020, 227, 151415.	1.9	3
136	Wrist at risk? â€“ Considerations derived from a novel experimental setup to assess torques during hip reaming with potential implications on the orthopedic surgeonsâ€™ health. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 113, 104160.	3.1	3
137	Immediate and 6-week effects of wearing a knee sleeve following anterior cruciate ligament reconstruction: a cross-over laboratory and randomised clinical trial. BMC Musculoskeletal Disorders, 2021, 22, 655.	1.9	3
138	Anatomical Landmarks for Intraoperative Adductor Canal Block in Total Knee Arthroplasty: A Cadaveric Feasibility Assessment. Arthroplasty Today, 2021, 10, 82-86.	1.6	3
139	Expect the unexpected: The course of the inferior alveolar artery â€“ Preliminary results and clinical implications. Annals of Anatomy, 2022, 240, 151867.	1.9	3
140	A comparison of two surgical approaches in functional neurosurgery: individualized versus conventional stereotactic frames. Computer Aided Surgery, 2015, 20, 34-40.	1.8	2
141	A pilot trial comparing the tear-out behavior in screw-sockets and cemented polyethylene acetabular components â€“ a cadaveric study. Orthopaedics and Traumatology: Surgery and Research, 2016, 102, 723-728.	2.0	2
142	On the influence of surface coating on tissue biomechanics â€“ effects on rat bones under routine conditions with implications for image-based deformation detection. BMC Musculoskeletal Disorders, 2018, 19, 387.	1.9	2
143	Duplicated Vagus Nerve in Adolescence: Case Report and Review of Literature. World Neurosurgery, 2019, 131, 180-185.	1.3	2
144	Response to Re: External fixation of unstable pelvic fractures: a systematic review and metaâ€analysis. ANZ Journal of Surgery, 2019, 89, 787-787.	0.7	2

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145	Variations in Subscapularis Muscle Innervationâ€"A Report on Case Series. Medicina (Lithuania), 2020, 56, 532.	2.0	2
146	Why heel spurs are traction spurs after all. Scientific Reports, 2021, 11, 13291.	3.3	2
147	How Complex Is the Complex Innervation of the Hip Joint Capsular Complex?. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2021, 37, 2022-2024.	2.7	2
148	Site-dependent acellularisation effects explain altered tissue mechanics: ultrastructural insights. Folia Morphologica, 2017, 76, 355-360.	0.8	2
149	Ballistic trauma caused by military rifles: experimental study based on synthetic skull proxies. Forensic Science, Medicine, and Pathology, 2022, 18, 30-36.	1.4	2
150	Sacroiliac Joint Ligaments and Sacroiliac Pain: A Case-Control Study on Micro- and Ultrastructural Findings on Morphologic Alterations. Pain Physician, 2019, 22, E615-E625.	0.4	2
151	Safety concerns for rescue providers using sternal intraosseous infusion systems. Journal of Trauma and Acute Care Surgery, 2015, 79, 517-518.	2.1	1
152	Verification of a novel measuring method for determining pre- and postoperative leg length in the context of total hip arthroplasty: a technical feasibility study. Journal of Medical Engineering and Technology, 2018, 42, 588-594.	1.4	1
153	On the usability of skull maceration in fatal head injuries caused by axes. Forensic Science, Medicine, and Pathology, 2019, 15, 678-679.	1.4	1
154	Loadâ€"deformation properties of the ligament of the head of femur in situ. Clinical Anatomy, 2020, 33, 705-713.	2.7	1
155	A comparison on the detection accuracy of ante mortem computed tomography vs. autopsy for the diagnosis of pelvic ring injury in legal medicine. Journal of Forensic Sciences, 2021, 66, 919-925.	1.6	1
156	Fat Is Consistently Present within the Plantar Muscular Space of the Human Footâ€"An Anatomical Study. Medicina (Lithuania), 2022, 58, 154.	2.0	1
157	The intra-muscular course and distribution of the anterior interosseous nerve within pronator quadratus: An anatomical study. Journal of Clinical Orthopaedics and Trauma, 2022, 28, 101868.	1.5	1
158	Does histology predict the clinical outcome after lumbar intervertebral disc herniation: No. Medical Hypotheses, 2013, 80, 215-219.	1.5	0
159	Relative position of the supra-acetabular bone to the crestal plane: a radiological analysis. BMJ Military Health, 2021, 167, 89-92.	0.9	0
160	Mechanical metric for skeletal biomechanics derived from spectral analysis of stiffness matrix. Scientific Reports, 2021, 11, 15690.	3.3	0
161	Sacral insufficiency fractures are a risk of massive bleeding during sacrectomy: patient series. Journal of Neurosurgery Case Lessons, 2021, 2, .	0.3	0
162	Subchondral Bone Changes Following Sacroiliac Joint Arthrodesis - A Morpho-mechanical Assessment of Surgical Treatment of the Painful Joint. Pain Physician, 2021, 24, E317-E326.	0.4	0