

Johann Henckel

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

1,791
citations

304368

22
h-index

288905

40
g-index

75
all docs

75
docs citations

75
times ranked

1431
citing authors

#	ARTICLE	IF	CITATIONS
1	What happens to the lower lumbar spine after marathon running: a 3.0T MRI study of 21 first-time marathoners. <i>Skeletal Radiology</i> , 2022, 51, 971-980.	1.2	1
2	Self-Reported Neurotoxic Symptoms in Hip Arthroplasty Patients With Highly Elevated Blood Cobalt: A Case-Control Study. <i>Journal of Patient Safety</i> , 2022, 18, e10-e17.	0.7	5
3	Reference values for volume, fat content and shape of the hip abductor muscles in healthy individuals from Dixon MRI. <i>NMR in Biomedicine</i> , 2022, 35, e4636.	1.6	6
4	SPECT/CT Assessment of In-Vivo Loading of the Knee Correlates with Polyethylene Deformation in Retrieved Total Knee Arthroplasty. <i>Tomography</i> , 2022, 8, 180-188.	0.8	0
5	The Performance of MAGEC X Spine Rods: A Comparative Retrieval Study. <i>Global Spine Journal</i> , 2022, , 219256822210963.	1.2	1
6	Comparative retrieval analysis of a novel anatomic tibial tray backside: alterations in tibial component design and surface coating can increase cement adhesions and surface roughness. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 474.	0.8	1
7	Reconstruction of acetabular defects greater than Paprosky type 3B: the importance of functional imaging. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 207.	0.8	1
8	Understanding the implant performance of magnetically controlled growing spine rods: a review article. <i>European Spine Journal</i> , 2021, 30, 1799-1812.	1.0	9
9	3.0 T MRI findings of 104 hips of asymptomatic adults: from non-runners to ultra-distance runners. <i>BMJ Open Sport and Exercise Medicine</i> , 2021, 7, e000997.	1.4	2
10	Magnetic Resonance Imaging of the Hips of Runners Before and After Their First Marathon Run: Effect of Training for and Completing a Marathon. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712110104.	0.8	1
11	Osseointegration of retrieved 3D-printed, off-the-shelf acetabular implants. <i>Bone and Joint Research</i> , 2021, 10, 388-400.	1.3	15
12	Analysis of retrieved STRYDE nails. <i>Bone & Joint Open</i> , 2021, 2, 599-610.	1.1	7
13	Augmented-Reality-Assisted K-Wire Placement for Glenoid Component Positioning in Reversed Shoulder Arthroplasty: A Proof-of-Concept Study. <i>Journal of Personalized Medicine</i> , 2021, 11, 777.	1.1	21
14	The in vivo location of edge-wear in hip arthroplasties. <i>Bone and Joint Research</i> , 2021, 10, 639-649.	1.3	1
15	Intramuscular fat in gluteus maximus for different levels of physical activity. <i>Scientific Reports</i> , 2021, 11, 21401.	1.6	8
16	Comparative retrieval analysis of antioxidant polyethylene: bonding of vitamin-E does not reduce in-vivo surface damage. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 1003.	0.8	5
17	Quantifying material loss from the bearing surfaces of retrieved hip replacements: Method validation. <i>Tribology International</i> , 2020, 142, 105975.	3.0	5
18	Blood and plasma titanium levels associated with well-functioning hip implants. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 57, 9-17.	1.5	26

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19	Automated postoperative muscle assessment of hip arthroplasty patients using multimodal imaging joint segmentation. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 183, 105062.	2.6	4
20	Evidence of structural cavities in 3D printed acetabular cups for total hip arthroplasty. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 1779-1789.	1.6	14
21	Can 3D surgical planning and patient specific instrumentation reduce hip implant inventory? A prospective study. <i>3D Printing in Medicine</i> , 2020, 6, 25.	1.7	13
22	Does diametrical clearance influence the wear of Pinnacle hip implants?. <i>Bone and Joint Research</i> , 2020, 9, 515-523.	1.3	4
23	Dimensional analysis of 3D-printed acetabular cups for hip arthroplasty using X-ray microcomputed tomography. <i>Rapid Prototyping Journal</i> , 2020, 26, 567-576.	1.6	4
24	Mechanical wear analysis helps understand a mechanism of failure in retrieved magnetically controlled growing rods: a retrieval study. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 519.	0.8	9
25	Management of patients with magnetically controlled growth rods amidst the global COVID-19 pandemic. <i>European Spine Journal</i> , 2020, 29, 2409-2412.	1.0	3
26	Automated measurement of fat infiltration in the hip abductors from Dixon magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2020, 72, 61-70.	1.0	12
27	The effect of metal artefact on the design of custom 3D printed acetabular implants. <i>3D Printing in Medicine</i> , 2020, 6, 23.	1.7	5
28	Can custom 3D printed implants successfully reconstruct massive acetabular defects? A 3Dâ€CT assessment. <i>Journal of Orthopaedic Research</i> , 2020, 38, 2640-2648.	1.2	25
29	Combining Multimodal Information for Metal Artefact Reduction: An Unsupervised Deep Learning Framework. , 2020, , .		8
30	Recommendations of protective measures for orthopedic surgeons during COVID-19 pandemic. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 2027-2035.	2.3	24
31	Automated multi-atlas segmentation of gluteus maximus from Dixon and T1-weighted magnetic resonance images. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020, 33, 677-688.	1.1	9
32	Is the immediate effect of marathon running on novice runnersâ€™ knee joints sustained within 6 months after the run? A follow-up 3.0T MRI study. <i>Skeletal Radiology</i> , 2020, 49, 1221-1229.	1.2	10
33	Uncemented femoral stem orientation and position in total hip arthroplasty: A CT study. <i>Journal of Orthopaedic Research</i> , 2020, 38, 1486-1496.	1.2	19
34	Prevalence of abnormal findings in 230 knees of asymptomatic adults using 3.0T MRI. <i>Skeletal Radiology</i> , 2020, 49, 1099-1107.	1.2	30
35	COVID-19 coronavirus: recommended personal protective equipment for the orthopaedic and trauma surgeon. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 1690-1698.	2.3	153
36	Characterization of dimensional, morphological and morphometric features of retrieved 3D-printed acetabular cups for hip arthroplasty. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 157.	0.9	11

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37	Three-dimensional pre-operative planning of primary hip arthroplasty: a systematic literature review. EFORT Open Reviews, 2020, 5, 845-855.	1.8	20
38	3D Printed Acetabular Cups for Total Hip Arthroplasty: A Review Article. Metals, 2019, 9, 729.	1.0	61
39	Comparative analysis of current 3D printed acetabular titanium implants. 3D Printing in Medicine, 2019, 5, 15.	1.7	20
40	Can marathon running improve knee damage of middle-aged adults? A prospective cohort study. BMJ Open Sport and Exercise Medicine, 2019, 5, e000586.	1.4	19
41	Retrieval analysis of contemporary antioxidant polyethylene: multiple material and design changes may decrease implant performance. Knee Surgery, Sports Traumatology, Arthroscopy, 2019, 27, 2111-2119.	2.3	9
42	Quantifying the bearing surface wear of retrieved hip replacements. Biosurface and Biotribology, 2019, 5, 28-33.	0.6	4
43	Effect of Bearing Type on Taper Material Loss in Hips From 1 Manufacturer. Journal of Arthroplasty, 2018, 33, 1588-1593.	1.5	7
44	Synchrotron analysis of human organ tissue exposed to implant material. Journal of Trace Elements in Medicine and Biology, 2018, 46, 128-137.	1.5	27
45	3D patient imaging and retrieval analysis help understand the clinical importance of rotation in knee replacements. Knee Surgery, Sports Traumatology, Arthroscopy, 2018, 26, 3351-3361.	2.3	15
46	Inflammatory cell-induced corrosion in total knee arthroplasty: A retrieval study. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 460-467.	1.6	19
47	Retrieval Findings of Recalled Dual-Taper Hips. Journal of Bone and Joint Surgery - Series A, 2018, 100, 1661-1672.	1.4	12
48	Assessment of material loss of retrieved magnetically controlled implants for limb lengthening. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2018, 232, 1129-1136.	1.0	7
49	Computed Tomography Techniques Help Understand Wear Patterns in Retrieved Total Knee Arthroplasty. Journal of Arthroplasty, 2018, 33, 3030-3037.	1.5	7
50	3D-printed Patient-specific Guides for Hip Arthroplasty. Journal of the American Academy of Orthopaedic Surgeons, The, 2018, 26, e342-e348.	1.1	47
51	Joint Multimodal Segmentation of Clinical CT and MR from Hip Arthroplasty Patients. Lecture Notes in Computer Science, 2018, , 72-84.	1.0	2
52	How sensitive and specific is 1.5 Tesla MRI for diagnosing injuries in patients with knee dislocation?. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 517-523.	2.3	11
53	Analysing a mechanism of failure in retrieved magnetically controlled spinal rods. European Spine Journal, 2017, 26, 1699-1710.	1.0	29
54	The Chemical Form of Metal Species Released from Corroded Taper Junctions of Hip Implants: Synchrotron Analysis of Patient Tissue. Scientific Reports, 2017, 7, 10952.	1.6	24

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55	Analysis of bearing wear, whole blood and synovial fluid metal ion concentrations and histopathological findings in patients with failed ASR hip resurfacings. BMC Musculoskeletal Disorders, 2017, 18, 523.	0.8	13
56	Calculating the hip center of rotation using contralateral pelvic anatomy. Journal of Orthopaedic Research, 2016, 34, 1077-1083.	1.2	16
57	Lessons Learnt from Metal-On-Metal Hip Arthroplasties will Lead to Safer Innovation for all Medical Devices. HIP International, 2015, 25, 347-354.	0.9	15
58	Clinical Usefulness of SPECT/CT in Patients with an Unexplained Pain in Metal on Metal (MOM) Total Hip Arthroplasty. Journal of Arthroplasty, 2015, 30, 687-694.	1.5	18
59	Method for the location of primary wear scars from retrieved metal on metal hip replacements. BMC Musculoskeletal Disorders, 2015, 16, 173.	0.8	5
60	Predicting wear and blood metal ion levels in metal-on-metal hip resurfacing. Journal of Orthopaedic Research, 2014, 32, 167-174.	1.2	55
61	Ten year survivorship after cemented and uncemented medial Uniglide® unicompartmental knee arthroplasties. Knee, 2014, 21, 964-970.	0.8	41
62	Single photon emission computerized tomography and conventional computerized tomography (SPECT/CT) for evaluation of patients after anterior cruciate ligament reconstruction: a novel standardized algorithm combining mechanical and metabolic information. Knee Surgery, Sports Traumatology, Arthroscopy, 2013, 21, 965-974.	2.3	27
63	SPECT/CT in patients with painful knee arthroplasty—what is the evidence?. Skeletal Radiology, 2013, 42, 1201-1207.	1.2	36
64	4D-SPECT/CT in orthopaedics: a new method of combined quantitative volumetric 3D analysis of SPECT/CT tracer uptake and component position measurements in patients after total knee arthroplasty. Skeletal Radiology, 2013, 42, 1215-1223.	1.2	52
65	Revision of metal-on-metal hip arthroplasty in a tertiary center. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 84, 237-245.	1.2	70
66	Native Acetabular Version: 3D CT Analysis of the Psoas Valley. HIP International, 2013, 23, 274-280.	0.9	1
67	Pseudotumors in Association with Well-Functioning Metal-on-Metal Hip Prostheses. Journal of Bone and Joint Surgery - Series A, 2012, 94, 317-325.	1.4	254
68	Standardized volumetric 3D-analysis of SPECT/CT imaging in orthopaedics: overcoming the limitations of qualitative 2D analysis. BMC Medical Imaging, 2012, 12, 5.	1.4	54
69	Pseudotumors Are Common in Well-positioned Low-wearing Metal-on-Metal Hips. Clinical Orthopaedics and Related Research, 2012, 470, 1895-1906.	0.7	137
70	Magnetic Resonance Imaging Findings in Painful Metal-On-Metal Hips. Journal of Arthroplasty, 2011, 26, 71-76.e2.	1.5	66
71	Insufficient Acetabular Version Increases Blood Metal Ion Levels after Metal-on-metal Hip Resurfacing. Clinical Orthopaedics and Related Research, 2011, 469, 2590-2597.	0.7	71
72	A Retrieval Analysis of Explanted Durom Metal-On-Metal Hip Arthroplasties. HIP International, 2011, 21, 724-731.	0.9	23

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73	Large Ball Metal on Metal Hips Obscure Cup Angle Measurement on Plain Radiographs. HIP International, 2009, 19, 323-329.	0.9	17