

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	Pseudotumors in Association with Well-Functioning Metal-on-Metal Hip Prostheses. <i>Journal of Bone and Joint Surgery - Series A</i> , 2012, 94, 317-325.	1.4	254
2	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
3	Pseudotumors Are Common in Well-positioned Low-wearing Metal-on-Metal Hips. <i>Clinical Orthopaedics and Related Research</i> , 2012, 470, 1895-1906.	0.7	137
4	Insufficient Acetabular Version Increases Blood Metal Ion Levels after Metal-on-metal Hip Resurfacing. <i>Clinical Orthopaedics and Related Research</i> , 2011, 469, 2590-2597.	0.7	71
5	Revision of metal-on-metal hip arthroplasty in a tertiary center. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 84, 237-245.	1.2	70
6	Magnetic Resonance Imaging Findings in Painful Metal-On-Metal Hips. <i>Journal of Arthroplasty</i> , 2011, 26, 71-76.e2.	1.5	66
7	3D Printed Acetabular Cups for Total Hip Arthroplasty: A Review Article. <i>Metals</i> , 2019, 9, 729.	1.0	61
8	Predicting wear and blood metal ion levels in metal-on-metal hip resurfacing. <i>Journal of Orthopaedic Research</i> , 2014, 32, 167-174.	1.2	55
9	Standardized volumetric 3D-analysis of SPECT/CT imaging in orthopaedics: overcoming the limitations of qualitative 2D analysis. <i>BMC Medical Imaging</i> , 2012, 12, 5.	1.4	54
10	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. <i>Skeletal Radiology</i> , 2013, 42, 1215-1223.	1.2	52
11	3D-printed Patient-specific Guides for Hip Arthroplasty. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , 2018, 26, e342-e348.	1.1	47
12	Ten year survivorship after cemented and uncemented medial Uniglide® unicompartmental knee arthroplasties. <i>Knee</i> , 2014, 21, 964-970.	0.8	41
13	SPECT/CT in patients with painful knee arthroplasty—what is the evidence?. <i>Skeletal Radiology</i> , 2013, 42, 1201-1207.	1.2	36
14	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
15	Analysing a mechanism of failure in retrieved magnetically controlled spinal rods. <i>European Spine Journal</i> , 2017, 26, 1699-1710.	1.0	29
16	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. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2013, 21, 965-974.	2.3	27
17	Synchrotron analysis of human organ tissue exposed to implant material. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 46, 128-137.	1.5	27
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	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
20	The Chemical Form of Metal Species Released from Corroded Taper Junctions of Hip Implants: Synchrotron Analysis of Patient Tissue. <i>Scientific Reports</i> , 2017, 7, 10952.	1.6	24
21	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
22	A Retrieval Analysis of Explanted Durom Metal-On-Metal Hip Arthroplasties. <i>HIP International</i> , 2011, 21, 724-731.	0.9	23
23	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
24	Comparative analysis of current 3D printed acetabular titanium implants. <i>3D Printing in Medicine</i> , 2019, 5, 15.	1.7	20
25	Three-dimensional pre-operative planning of primary hip arthroplasty: a systematic literature review. <i>EFORT Open Reviews</i> , 2020, 5, 845-855.	1.8	20
26	Inflammatory cellâ€induced corrosion in total knee arthroplasty: A retrieval study. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 460-467.	1.6	19
27	Can marathon running improve knee damage of middle-aged adults? A prospective cohort study. <i>BMJ Open Sport and Exercise Medicine</i> , 2019, 5, e000586.	1.4	19
28	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
29	Clinical Usefulness of SPECTâ€CT in Patients with an Unexplained Pain in Metal on Metal (MOM) Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2015, 30, 687-694.	1.5	18
30	Large Ball Metal on Metal Hips Obscure Cup Angle Measurement on Plain Radiographs. <i>HIP International</i> , 2009, 19, 323-329.	0.9	17
31	Calculating the hip center of rotation using contralateral pelvic anatomy. <i>Journal of Orthopaedic Research</i> , 2016, 34, 1077-1083.	1.2	16
32	Lessons Learnt from Metal-On-Metal Hip Arthroplasties will Lead to Safer Innovation for all Medical Devices. <i>HIP International</i> , 2015, 25, 347-354.	0.9	15
33	3D patient imaging and retrieval analysis help understand the clinical importance of rotation in knee replacements. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 3351-3361.	2.3	15
34	Osseointegration of retrieved 3D-printed, off-the-shelf acetabular implants. <i>Bone and Joint Research</i> , 2021, 10, 388-400.	1.3	15
35	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
36	Analysis of bearing wear, whole blood and synovial fluid metal ion concentrations and histopathological findings in patients with failed ASR hip resurfacings. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 523.	0.8	13

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37	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
38	Retrieval Findings of Recalled Dual-Taper Hips. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, 1661-1672.	1.4	12
39	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
40	How sensitive and specific is 1.5 Tesla MRI for diagnosing injuries in patients with knee dislocation?. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 517-523.	2.3	11
41	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
42	Is the immediate effect of marathon running on novice runners's 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
43	Retrieval analysis of contemporary antioxidant polyethylene: multiple material and design changes may decrease implant performance. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 2111-2119.	2.3	9
44	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
45	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
46	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
47	Combining Multimodal Information for Metal Artefact Reduction: An Unsupervised Deep Learning Framework. , 2020, , .		8
48	Intramuscular fat in gluteus maximus for different levels of physical activity. <i>Scientific Reports</i> , 2021, 11, 21401.	1.6	8
49	Effect of Bearing Type on Taper Material Loss in Hips From 1 Manufacturer. <i>Journal of Arthroplasty</i> , 2018, 33, 1588-1593.	1.5	7
50	Assessment of material loss of retrieved magnetically controlled implants for limb lengthening. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2018, 232, 1129-1136.	1.0	7
51	Computed Tomography Techniques Help Understand Wear Patterns in Retrieved Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2018, 33, 3030-3037.	1.5	7
52	Analysis of retrieved STRYDE nails. <i>Bone & Joint Open</i> , 2021, 2, 599-610.	1.1	7
53	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
54	Method for the location of primary wear scars from retrieved metal on metal hip replacements. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 173.	0.8	5

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55	Quantifying material loss from the bearing surfaces of retrieved hip replacements: Method validation. Tribology International, 2020, 142, 105975.	3.0	5
56	The effect of metal artefact on the design of custom 3D printed acetabular implants. 3D Printing in Medicine, 2020, 6, 23.	1.7	5
57	Self-Reported Neurotoxic Symptoms in Hip Arthroplasty Patients With Highly Elevated Blood Cobalt: A Case-Control Study. Journal of Patient Safety, 2022, 18, e10-e17.	0.7	5
58	Comparative retrieval analysis of antioxidant polyethylene: bonding of vitamin-E does not reduce in-vivo surface damage. BMC Musculoskeletal Disorders, 2021, 22, 1003.	0.8	5
59	Quantifying the bearing surface wear of retrieved hip replacements. Biosurface and Biotribology, 2019, 5, 28-33.	0.6	4
60	Automated postoperative muscle assessment of hip arthroplasty patients using multimodal imaging joint segmentation. Computer Methods and Programs in Biomedicine, 2020, 183, 105062.	2.6	4
61	Does diametrical clearance influence the wear of Pinnacle hip implants?. Bone and Joint Research, 2020, 9, 515-523.	1.3	4
62	Dimensional analysis of 3D-printed acetabular cups for hip arthroplasty using X-ray microcomputed tomography. Rapid Prototyping Journal, 2020, 26, 567-576.	1.6	4
63	Management of patients with magnetically controlled growth rods amidst the global COVID-19 pandemic. European Spine Journal, 2020, 29, 2409-2412.	1.0	3
64	3.0 T MRI findings of 104 hips of asymptomatic adults: from non-runners to ultra-distance runners. BMJ Open Sport and Exercise Medicine, 2021, 7, e000997.	1.4	2
65	Joint Multimodal Segmentation of Clinical CT and MR from Hip Arthroplasty Patients. Lecture Notes in Computer Science, 2018, , 72-84.	1.0	2
66	Native Acetabular Version: 3D CT Analysis of the Psoas Valley. HIP International, 2013, 23, 274-280.	0.9	1
67	Reconstruction of acetabular defects greater than Paprosky type 3B: the importance of functional imaging. BMC Musculoskeletal Disorders, 2021, 22, 207.	0.8	1
68	Magnetic Resonance Imaging of the Hips of Runners Before and After Their First Marathon Run: Effect of Training for and Completing a Marathon. Orthopaedic Journal of Sports Medicine, 2021, 9, 232596712110104.	0.8	1
69	What happens to the lower lumbar spine after marathon running: a 3.0T MRI study of 21 first-time marathoners. Skeletal Radiology, 2022, 51, 971-980.	1.2	1
70	The in vivo location of edge-wear in hip arthroplasties. Bone and Joint Research, 2021, 10, 639-649.	1.3	1
71	The Performance of MAGEC X Spine Rods: A Comparative Retrieval Study. Global Spine Journal, 2022, , 219256822210963.	1.2	1
72	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. BMC Musculoskeletal Disorders, 2022, 23, 474.	0.8	1

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73	SPECT/CT Assessment of In-Vivo Loading of the Knee Correlates with Polyethylene Deformation in Retrieved Total Knee Arthroplasty. Tomography, 2022, 8, 180-188.	0.8	0