

Peter Ellison

List of Publications by Year in descending order

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26
papers

492
citations

933447

10
h-index

677142

22
g-index

26
all docs

26
docs citations

26
times ranked

587
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Computational Fluid Dynamics and Fluid-Structure Interaction Method to the Lubrication Study of a Rotor-Bearing System. Tribology Letters, 2010, 38, 325-336.	2.6	112
2	Survival rates and causes of revision in cemented primary total knee replacement. Bone and Joint Journal, 2013, 95-B, 636-642.	4.4	102
3	Wear particles and ions from cemented and uncemented titanium-based hip prostheses: A histological and chemical analysis of retrieval material. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2015, 103, 709-717.	3.4	58
4	Early aseptic loosening of a mobile-bearing total knee replacement. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 89, 77-83.	3.3	38
5	Is there still a place for the cemented titanium femoral stem?. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 83, 1-6.	3.3	27
6	Experimental investigation of the effect of surface roughness on bone-cement-implant shear bond strength. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 28, 254-262.	3.1	22
7	Cementing technique for primary knee arthroplasty: a scoping review. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 90, 582-589.	3.3	19
8	In vitro simulation and quantification of wear within the patellofemoral joint replacement. Journal of Biomechanics, 2008, 41, 1407-1416.	2.1	16
9	A biomimicking design for mechanical knee joints. Bioinspiration and Biomimetics, 2018, 13, 056012.	2.9	11
10	The influence of sea water in oil emulsion on bearing performance. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2009, 223, 457-468.	1.8	10
11	Coordinating Retrieval and Register Studies Improves Postmarket Surveillance. Clinical Orthopaedics and Related Research, 2012, 470, 2995-3002.	1.5	9
12	A Kinematic Model for the Design of a Bicondylar Mechanical Knee. , 2018, , .		9
13	Strength of Pulvertaft modifications: tensile testing of porcine flexor tendons. Journal of Hand Surgery: European Volume, 2019, 44, 795-799.	1.0	9
14	Stiffness Modulation in a Humanoid Robotic Leg and Knee. IEEE Robotics and Automation Letters, 2021, 6, 2563-2570.	5.1	9
15	Biological activity of polyethylene wear debris produced in the patellofemoral joint. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2012, 226, 377-383.	1.8	8
16	The Impact of ACL Laxity on a Bicondylar Robotic Knee and Implications in Human Joint Biomechanics. IEEE Transactions on Biomedical Engineering, 2020, 67, 2817-2827.	4.2	7
17	Inflammatory tissue reactions around aseptically loose cemented hip prostheses: A retrieval study of the Spectron EF stem with Reflection All-Poly acetabular cup. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 1624-1636.	3.4	6
18	Assessment of the Damage in Retrieved Patellar Components. Journal of Long-Term Effects of Medical Implants, 2010, 20, 57-72.	0.7	5

#	ARTICLE	IF	CITATIONS
19	Mathematical formulae to calculate the theoretical range of motion of prosthetic hip implants with non-circular neck geometry. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2012, 226, 804-814.	1.8	5
20	Challenges in using compliant ligaments for position estimation within robotic joints. , 2017, 2017, 1471-1476.		5
21	Coupling of dynamics and contact mechanics of artificial hip joints in a pendulum model. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2010, 224, 989-1003.	1.8	2
22	Theoretical relationships between component design, patient bone geometry and range-of-motion post hip resurfacing. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2012, 226, 246-255.	1.8	1
23	Strength of side-to-side and step-cut repairs in tendon transfers: biomechanical testing of porcine flexor tendons. Journal of Hand Surgery: European Volume, 2020, 45, 1061-1065.	1.0	1
24	Wear of a Mobile Bearing Uni-Compartmental Knee Replacement Prosthesis: A Comparison of In Vitro and In Vivo Wear Rates. Journal of ASTM International, 2011, 8, 1-6.	0.2	1
25	From Macroscopic to Microscopic: Experimental and Computational Methods to Investigate Bio-tribology. IFMBE Proceedings, 2020, , 213-216.	0.3	0
26	An Individual Patient Outcome Tool for Joint Replacement Patients. Studies in Health Technology and Informatics, 2018, 251, 129-132.	0.3	0