

# Peter J Ogrodnik

## List of Publications by Year in descending order

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22  
papers

137  
citations

1307594

7  
h-index

1281871

11  
g-index

22  
all docs

22  
docs citations

22  
times ranked

94  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical properties of callus in human tibial fractures: a preliminary investigation. <i>Clinical Biomechanics</i> , 2001, 16, 776-782.	1.2	19
2	A device for improved reduction of tibial fractures treated with external fixation. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2000, 214, 449-457.	1.8	17
3	A fracture movement monitoring system to aid in the assessment of fracture healing in humans. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2001, 215, 405-414.	1.8	15
4	The Effects of Laser Marking and Symbol Etching on the Fatigue Life of Medical Devices. <i>Journal of Medical Engineering</i> , 2013, 2013, 1-6.	1.1	13
5	Calculation and Measurement of the Stiffness and Damping Coefficients for a Low Impedance Hydrodynamic Bearing. <i>Journal of Tribology</i> , 1997, 119, 57-63.	1.9	10
6	The effects of dimensional manufacturing tolerances on stability of a symmetric hydrodynamic journal bearing rotor system—an experimental investigation. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2011, 225, 1152-1158.	1.8	10
7	Measuring multi-dimensional, time-dependent mechanical properties of a human tibial fracture using an automated system. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2007, 221, 641-652.	1.8	8
8	A Novel Variable Impedance Hydrodynamic Oil-Film Bearing: Part 2: Experimental Identification of the Steady State and Dynamic Characteristics. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 1996, 210, 65-74.	1.8	6
9	Cortex Distraction Forces Caused by the Insertion of External Fixator Pins. <i>Journal of Orthopaedic Trauma</i> , 2001, 15, 507-512.	1.4	6
10	Effect of journal out-of-roundness on stability of a symmetric hydrodynamic journal bearing system. Part 1: Theoretical analysis. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2015, 229, 1347-1358.	1.8	6
11	A theoretical investigation of the use of 2 <sup>k</sup> factorial analysis to determine the effects of dimensional manufacturing tolerances on the stability of hydrodynamic journal bearing systems. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2011, 225, 731-739.	1.8	5
12	Effect of journal out-of-roundness on stability of a symmetric hydrodynamic journal bearing system. Part 2: Experimental investigation. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2015, 229, 1359-1371.	1.8	5
13	The Stability Analysis of Hydrodynamic Journal Bearings Allowing for Manufacturing Tolerances. Part I: Effect Analysis of Manufacturing Tolerances by Taguchi Method. , 2009, , .		3
14	A multidirectional fracture stiffness model to determine the principal stiffness properties of a healing human tibia. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2013, 227, 1125-1134.	1.8	3
15	A practical, quantitative, fracture healing endpoint assessment criterion for tibial fractures treated with external fixation. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2019, 233, 497-505.	1.8	3
16	A Novel Variable Impedance Hydrodynamic Oil-Film Bearing: Part 1: Theoretical Modelling. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 1996, 210, 55-63.	1.8	2
17	A data-logging system to monitor bone fracture movement continuously. <i>Medical Engineering and Physics</i> , 1997, 19, 286-290.	1.7	2
18	Effect of Manufacturing Tolerances on Stiffness and Damping of Hydrodynamic Journal Bearings. <i>Advanced Materials Research</i> , 0, 139-141, 2662-2667.	0.3	2

#	ARTICLE	IF	CITATIONS
19	Steady Load-Carrying Capacity of Recessed Hydrodynamic Bearings. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 1995, 209, 255-262.	1.8	1
20	The Stability Analysis of Hydrodynamic Journal Bearings Allowing for Manufacturing Tolerances. Part II: Stability Analysis Model with Consideration of Tolerances. , 2009, , .		1
21	Vibration Analysis of Connecting Rod Big End Bearings. Materials Science Forum, 2003, 440-441, 303-310.	0.3	0
22	An automated system for measuring multi-dimensional, time dependent mechanical properties of a human tibial fracture. Medical Engineering and Physics, 2007, 29, 1049-1055.	1.7	0