

Tarun Goswami

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

199
citations

1163117

8
h-index

1058476

14
g-index

18
all docs

18
docs citations

18
times ranked

217
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving Anodes for Lithium Ion Batteries. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 231-238.	2.2	40
2	Finite element analysis of stress and wear characterization in total ankle replacements. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 34, 134-145.	3.1	31
3	Implant material properties and their role in micromotion and failure in total hip arthroplasty. International Journal of Mechanics and Materials in Design, 2012, 8, 1-7.	3.0	20
4	Dwell sensitivity Part I. Behavior and modeling. Mechanics of Materials, 1996, 22, 105-130.	3.2	16
5	Mechanical evaluation of fourth-generation composite femur hybrid locking plate constructs. Journal of Materials Science: Materials in Medicine, 2011, 22, 2139-2146.	3.6	16
6	Wear characteristics of WSU total ankle replacement devices under shear and torsion loads. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 44, 202-223.	3.1	13
7	Failure Analysis of PHILOS Plate Construct Used for Pantalar Arthrodesis Paper II "Screws and FEM Simulations. Metals, 2018, 8, 279.	2.3	13
8	Macrodamage Accumulation Model for a Human Femur. Applied Bionics and Biomechanics, 2017, 2017, 1-19.	1.1	9
9	Failure Analysis of PHILOS Plate Construct Used for Pantalar Arthrodesis Paper I "Analysis of the Plate. Metals, 2018, 8, 180.	2.3	8
10	Hip implant stem interfacial motion, a finite element analysis. International Journal of Experimental and Computational Biomechanics, 2011, 1, 343.	0.4	7
11	Retrospective Evaluation and Framework Development of Bone Anisotropic Material Behavior Compared with Elastic, Elastic-Plastic, and Hyper-Elastic Properties. Bioengineering, 2022, 9, 9.	3.5	7
12	3D printed transwell-integrated nose-on-chip model to evaluate effects of air flow-induced mechanical stresses on mucous secretion. Biomedical Microdevices, 2022, 24, 8.	2.8	5
13	Quantitative Analysis of Retrieved Glenoid Liners. Lubricants, 2016, 4, 3.	2.9	4
14	Cyclic Damage Accumulation in the Femoral Constructs Made With Cephalomedullary Nails. Frontiers in Bioengineering and Biotechnology, 2020, 8, 593609.	4.1	4
15	Biomechanical Behavior of a Variable Angle Locked Tibiotalocalcaneal Construct. Bioengineering, 2020, 7, 27.	3.5	3
16	Design and Finite Element Analysis of Patient-Specific Total Temporomandibular Joint Implants. Materials, 2022, 15, 4342.	2.9	3
17	Simulation of ankle joint kinematics in sagittal plane using passive imaging data " a pilot study. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2019, 7, 162-174.	1.9	0
18	Biomechanical Evaluation of Recurrent Dissociation of Modular Humeral Prostheses. Bioengineering, 2022, 9, 76.	3.5	0