

Seonghun Park

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8717267/publications.pdf>

Version: 2024-02-01

61
papers

1,380
citations

516215

16
h-index

344852

36
g-index

61
all docs

61
docs citations

61
times ranked

1634
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical response of bovine articular cartilage under dynamic unconfined compression loading at physiological stress levels. <i>Osteoarthritis and Cartilage</i> , 2004, 12, 65-73.	0.6	240
2	Cartilage interstitial fluid load support in unconfined compression. <i>Journal of Biomechanics</i> , 2003, 36, 1785-1796.	0.9	203
3	Microscale frictional response of bovine articular cartilage from atomic force microscopy. <i>Journal of Biomechanics</i> , 2004, 37, 1679-1687.	0.9	123
4	Inhomogeneous Cartilage Properties Enhance Superficial Interstitial Fluid Support and Frictional Properties, But Do Not Provide a Homogeneous State of Stress. <i>Journal of Biomechanical Engineering</i> , 2003, 125, 569-577.	0.6	107
5	Mechanical load inhibits IL-1 induced matrix degradation in articular cartilage. <i>Osteoarthritis and Cartilage</i> , 2010, 18, 97-105.	0.6	76
6	The effect of TNF α secreted from macrophages activated by titanium particles on osteogenic activity regulated by WNT/BMP signaling in osteoprogenitor cells. <i>Biomaterials</i> , 2012, 33, 4251-4263.	5.7	64
7	Dynamic Response of Immature Bovine Articular Cartilage in Tension and Compression, and Nonlinear Viscoelastic Modeling of the Tensile Response. <i>Journal of Biomechanical Engineering</i> , 2006, 128, 623-630.	0.6	62
8	Sensitivity control of a MR-damper semi-active suspension. <i>International Journal of Precision Engineering and Manufacturing</i> , 2010, 11, 209-218.	1.1	40
9	Road-frequency adaptive control for semi-active suspension systems. <i>International Journal of Control, Automation and Systems</i> , 2010, 8, 1029-1038.	1.6	40
10	Cartilage Mechanical Response under Dynamic Compression at Physiological Stress Levels Following Collagenase Digestion. <i>Annals of Biomedical Engineering</i> , 2008, 36, 425-434.	1.3	37
11	Mechanical properties of bovine articular cartilage under microscale indentation loading from atomic force microscopy. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2009, 223, 339-347.	1.0	30
12	Improvement of formability for fabricating thin continuously corrugated structures in sheet metal forming process. <i>Journal of Mechanical Science and Technology</i> , 2012, 26, 2397-2403.	0.7	28
13	Modeling of a hydraulic engine mount for active pneumatic engine vibration control using the extended Kalman filter. <i>Journal of Mechanical Science and Technology</i> , 2009, 23, 229-236.	0.7	27
14	Role of hyaluronic acid and phospholipid in the lubrication of a cobalt-chromium head for total hip arthroplasty. <i>Biointerphases</i> , 2014, 9, 031007.	0.6	26
15	Recurrent Varicoceles: Causes and Treatment Using Angiography and Magnification Assisted Subinguinal Varicocelectomy. <i>Yonsei Medical Journal</i> , 2012, 53, 723.	0.9	25
16	Tribological property of the cobalt-chromium femoral head with different regions of wear in total hip arthroplasty. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2010, 224, 541-549.	1.0	17
17	Variability analysis of lower extremity joint kinematics during walking in healthy young adults. <i>Medical Engineering and Physics</i> , 2009, 31, 784-792.	0.8	16
18	A Novel Method for the Accurate Evaluation of Poisson's Ratio of Soft Polymer Materials. <i>Scientific World Journal</i> , The, 2013, 2013, 1-7.	0.8	16

#	ARTICLE	IF	CITATIONS
19	Penile length, digit length, and anogenital distance according to birth weight in newborn male infants. <i>Korean Journal of Urology</i> , 2015, 56, 248.	1.2	16
20	Change in Penile Length in Children: Preliminary Study. <i>Korean Journal of Urology</i> , 2012, 53, 870.	1.2	15
21	Effects of Hyaluronic Acid and γ -Globulin Concentrations on the Frictional Response of Human Osteoarthritic Articular Cartilage. <i>PLoS ONE</i> , 2014, 9, e112684.	1.1	15
22	Bifurcation control of the Morris-Lecar neuron model via a dynamic state-feedback control. <i>Biological Cybernetics</i> , 2012, 106, 587-594.	0.6	14
23	Frictional response of normal and osteoarthritic articular cartilage in human femoral head. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2013, 227, 129-137.	1.0	14
24	Day 3 versus Day 1 Disseminated Intravascular Coagulation Score among Sepsis Patients: A Prospective Observational Study. <i>Anaesthesia and Intensive Care</i> , 2016, 44, 57-64.	0.2	11
25	Effect of tip geometry of atomic force microscope on mechanical responses of bovine articular cartilage and agarose gel. <i>International Journal of Precision Engineering and Manufacturing</i> , 2010, 11, 129-136.	1.1	10
26	Effect of protein concentrations of bovine serum albumin and γ -globulin on the frictional response of a cobalt-chromium femoral head. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 1323-1330.	1.7	10
27	A parametric study of spar-type floating offshore wind turbines (FOWTs) by numerical and experimental investigations. <i>Ships and Offshore Structures</i> , 2016, 11, 818-832.	0.9	10
28	Needles as Urethral Foreign Body in a Child: Successful Removal Using a New Method With a Laparoscopic Needle Holder. <i>Urology</i> , 2013, 81, 188-190.	0.5	9
29	Prone positioning before extracorporeal membrane oxygenation for severe acute respiratory distress syndrome: A retrospective multicenter study. <i>Medicina Intensiva</i> , 2019, 43, 402-409.	0.4	9
30	Clinical Characteristics and Surgical Outcomes in Adolescents and Adults with Varicocele. <i>Korean Journal of Urology</i> , 2011, 52, 489.	1.2	7
31	Design and Performance Evaluation of a Rotary Magnetorheological Damper for Unmanned Vehicle Suspension Systems. <i>Scientific World Journal</i> , The, 2013, 2013, 1-10.	0.8	7
32	A novel effective micromixer having horizontal and vertical weaving flow motion. <i>Journal of Micromechanics and Microengineering</i> , 2012, 22, 035007.	1.5	6
33	The effect of baking time, fillet radius, and hardness on the lifecycles of pole fastening screws in an electric motor with hydrogen embrittlement. <i>Engineering Failure Analysis</i> , 2015, 48, 62-77.	1.8	5
34	Biphasic Properties of PVAH (Polyvinyl Alcohol Hydrogel) Reflecting Biomechanical Behavior of the Nucleus Pulposus of the Human Intervertebral Disc. <i>Materials</i> , 2022, 15, 1125.	1.3	5
35	Tribological changes in the articular cartilage of a human femoral head with avascular necrosis. <i>Biointerphases</i> , 2015, 10, 021004.	0.6	4
36	Giant ureteral polyps causing proximal ureter obstruction: emphasis on the surgical method and ureteroscopy. <i>Journal of Pediatric Surgery</i> , 2011, 46, e11-e15.	0.8	3

#	ARTICLE	IF	CITATIONS
37	Solitary Penile Neurofibroma with Erectile Dysfunction. Korean Journal of Urology, 2011, 52, 428.	1.2	3
38	A novel stepwise method to predict ultimate strength reduction in offshore structures with pitting corrosion. Advances in Mechanical Engineering, 2015, 7, 168781401560067.	0.8	3
39	A new methodology for detecting adhesion location in aluminum tube expansion. Advances in Mechanical Engineering, 2017, 9, 168781401773103.	0.8	3
40	The Role of the Process and Design Variables in Improving the Performance of Heat Exchanger Tube Expansion. Applied Sciences (Switzerland), 2018, 8, 756.	1.3	3
41	Three-dimensional fin-tube expansion process to achieve high heat transfer efficiency in heat exchangers. Journal of Mechanical Science and Technology, 2019, 33, 4401-4406.	0.7	3
42	Relationships between Free Gaps and Abnormal Noises of Vehicle Stabilizer Links. Transactions of the Korean Society of Automotive Engineers, 2017, 25, 28-34.	0.1	3
43	Effects of external operating environments on fatigue of heat exchanger copper tubes. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 1546-1558.	1.7	2
44	Methods of Improving Mechanical Integrity of Center-Link Chains for a Trolley Conveyor System. International Journal of Precision Engineering and Manufacturing, 2019, 20, 301-312.	1.1	2
45	Design of a Lumbar Interspinous Fixation Device for Minimally Invasive Surgery and Spine Motion Stabilization. Journal of Medical and Biological Engineering, 2020, 40, 1-10.	1.0	2
46	Fatigue Variability of Alloy 625 Thin-Tube Brazed Specimens. Metals, 2021, 11, 1162.	1.0	2
47	Optimization of a lumbar interspinous fixation device for the lumbar spine with degenerative disc disease. PLoS ONE, 2022, 17, e0265926.	1.1	2
48	Comparison of Chaotic Parameters between Men and Women in a Treadmill Walking. Journal of Biomechanical Science and Engineering, 2008, 3, 324-331.	0.1	1
49	Kinematic analysis of the neck and upper extremities during walking in healthy young adults. Journal of Bionic Engineering, 2011, 8, 305-312.	2.7	1
50	The effects of robot welding and manual welding on the low- and high-cycle fatigue lives of SM50A carbon steel weld zones. Advances in Mechanical Engineering, 2019, 11, 168781401982826.	0.8	1
51	Development of Coupler Applying Hydraulic Force Fastening Method. Journal of the Korean Society for Precision Engineering, 2021, 38, 763-773.	0.1	1
52	Impact of COVID-19 on TB epidemiology in South Korea. International Journal of Tuberculosis and Lung Disease, 2021, 25, 854-860.	0.6	1
53	Tribological Properties of Hip Implant From Atomic Force Microscopy. , 2009, , .		0
54	The Tribological and Lubrication Responses of a Cobalt-Chromium Femoral Head in Total Hip Arthroplasty. The Journal of the Korean Hip Society, 2010, 22, 227-233.	0.2	0

#	ARTICLE	IF	CITATIONS
55	Dynamic Response of Polyvinyl Alcohol(PVA)-Hydrogel With Different PVA Concentrations. , 2014, , .		0
56	The Association Between the Presence of Pneumonia and Non Invasive Ventilation Failure in Elderly Pneumonia. , 2020, , .		0
57	WE-A-301-09: Fast, Iterative, Low-Dose, Cone-Beam Computed Tomography Reconstruction Using a Gradient Projection Algorithm. Medical Physics, 2011, 38, 3797-3798.	1.6	0
58	ANNUAL ENDOSCOPY IS ENOUGH FOR GASTRIC CANCER SURVEILLANCE SCHEDULE AFTER THE ENDOSCOPIC RESECTION. Endoscopy, 2020, 52, .	1.0	0
59	Fatigue Life Analysis of T-Type Fillet Welded Joints Using an Effective Notch Stress Method. Journal of the Korean Society for Precision Engineering, 2020, 37, 601-606.	0.1	0
60	COMPARATIVE STUDY BETWEEN URINASTATIN AND NAFAMOSTAT MESYLATE FOR THE PREVENTION OF POST-ERCP PANCREATITIS. , 2020, 52, .		0
61	DUODENAL UNDERWATER ENDOSCOPIC MUCOSAL RESECTION IS SAFE AND EFFECTIVE FOR REMOVAL OF NON AMPULLARY DUODENAL TUMORS. Endoscopy, 2020, 52, .	1.0	0