Victor Kosmopoulos

List of Publications by Year
in descending order

37	1,570	430874	361022
papers	citations	18 h-index	35 g-index

37	37	37	1462
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tapered stem geometry provides superior initial fixation stability to cylindrical stem geometry in the setting of severe bone loss: A finite element analysis. Engineering Reports, 2020, 2, e12218.	1.7	2
2	Stability of Locking Plate and Compression Screws for Lapidus Arthrodesis: A Biomechanical Comparison of Plate Position. Journal of Foot and Ankle Surgery, 2018, 57, 466-470.	1.0	14
3	Biomechanical behavior of novel composite PMMA-CaP bone cements in an anatomically accurate cadaveric vertebroplasty model. Journal of Orthopaedic Research, 2017, 35, 2067-2074.	2.3	16
4	In Vitro and In Vivo Characterization of Premixed PMMA-CaP Composite Bone Cements. ACS Biomaterials Science and Engineering, 2017, 3, 2267-2277.	5.2	18
5	Comparing the Knotless Tension Band and the Traditional Stainless Steel Wire Tension Band Fixation for Medial Malleolus Fractures: A Retrospective Clinical Study. Scientifica, 2016, 2016, 1-8.	1.7	13
6	Stem geometry changes initial femoral fixation stability of a revised press-fit hip prosthesis: A finite element study. Technology and Health Care, 2016, 24, 865-872.	1.2	8
7	Restoring lumbar spine stiffness using an interspinous implant in an ovine model of instability. Clinical Biomechanics, 2016, 33, 85-91.	1.2	0
8	Effect of Posterior Tibial Slope on Flexion and Anterior-Posterior Tibial Translation in Posterior Cruciate-Retaining Total Knee Arthroplasty. Journal of Arthroplasty, 2016, 31, 103-106.	3.1	38
9	Two novel high performing composite PMMA-CaP cements for vertebroplasty: An ex vivo animal study. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 50, 290-298.	3.1	16
10	Fully Threaded Versus Partially Threaded Screws: Determining Shear inÂCancellous Bone Fixation. Journal of Foot and Ankle Surgery, 2015, 54, 1021-1024.	1.0	24
11	Preparation and Characterization of Injectable Brushite Filled-Poly (Methyl Methacrylate) Bone Cement. Materials, 2014, 7, 6779-6795.	2.9	23
12	Dual small fragment plating improves screw-to-screw load sharing for mid-diaphyseal humeral fracture fixation: A finite element study. Technology and Health Care, 2014, 23, 83-92.	1.2	5
13	Characterization of a new composite PMMA-HA/Brushite bone cement for spinal augmentation. Journal of Biomaterials Applications, 2014, 29, 688-698.	2.4	26
14	Dual Plating of Humeral Shaft Fractures: Orthogonal Plates Biomechanically Outperform Side-by-Side Plates. Clinical Orthopaedics and Related Research, 2014, 472, 1310-1317.	1.5	35
15	A Biomechanical Investigation of a Knotless Tension Band in Medial Malleolar Fracture Models in Composite SawbonesÂ®. Journal of Foot and Ankle Surgery, 2013, 52, 192-194.	1.0	11
16	In Vivo Passive Axial Rotational Stiffness of the Thoracolumbar Spine. Open Spine Journal, 2012, 4, 1-4.	0.4	1
17	Gliding Resistance and Triggering After Venting or A2 Pulley Enlargement: A Study of Intact and Repaired Flexor Tendons in a Cadaveric Model. Journal of Hand Surgery, 2011, 36, 1316-1322.	1.6	10
18	Effect of Osteopathic Manipulative Treatment Protocol on Balance in the Elderly. , 2011, , .		0

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19	Early stage disc degeneration does not have an appreciable affect on stiffness and load transfer following vertebroplasty and kyphoplasty. European Spine Journal, 2009, 18, 59-68.	2.2	11
20	Effect of a novel interspinous implant on lumbar spinal range of motion. European Spine Journal, 2009, 18, 696-703.	2.2	17
21	Impact of iliac crest bone graft harvesting on fusion rates and postoperative pain during instrumented posterolateral lumbar fusion. International Orthopaedics, 2009, 33, 187-189.	1.9	12
22	Minimally invasive versus open transforaminal lumbar interbody fusion: evaluating initial experience. International Orthopaedics, 2009, 33, 1683-1688.	1.9	231
23	Primary Tendon Sheath Enlargement and Reconstruction in Zone 2: An In Vitro Biomechanical Study on Tendon Gliding Resistance. Journal of Hand Surgery, 2009, 34, 1436-1443.	1.6	9
24	Consequences of patient position in the radiographic measurement of artificial disc replacement angles. European Spine Journal, 2008, 17, 30-35.	2.2	6
25	Incidence and management of pulmonary embolism following spinal surgery occurring while under chemical thromboprophylaxis. European Spine Journal, 2008, 17, 970-974.	2.2	71
26	Radiographic total disc replacement angle measurement accuracy using the Oxford Cobbometer: precision and bias. European Spine Journal, 2008, 17, 1066-1072.	2.2	3
27	Posterolateral lumbar spine fusion using a novel demineralized bone matrix: a controlled case pilot study. Archives of Orthopaedic and Trauma Surgery, 2008, 128, 621-625.	2.4	51
28	Modeling the onset and propagation of trabecular bone microdamage during low-cycle fatigue. Journal of Biomechanics, 2008, 41, 515-522.	2.1	39
29	Predicting trabecular bone microdamage initiation and accumulation using a non-linear perfect damage model. Medical Engineering and Physics, 2008, 30, 725-732.	1.7	21
30	Percutaneous surgical treatment of Chance fractures using cannulated pedicle screws. Journal of Neurosurgery: Spine, 2007, 7, 71-74.	1.7	28
31	Pedicle Screw Placement Accuracy. Spine, 2007, 32, E111-E120.	2.0	483
32	Observer reliability in evaluating pedicle screw placement using computed tomography. International Orthopaedics, 2007, 31, 531-536.	1.9	23
33	Computer tomography assessment of pedicle screw insertion in percutaneous posterior transpedicular stabilization. European Spine Journal, 2007, 16, 613-617.	2.2	131
34	Inserting pedicle screws in the upper thoracic spine without the use of fluoroscopy or image guidance. Is it safe?. European Spine Journal, 2007, 16, 625-629.	2.2	49
35	Vertebroplasty and Kyphoplasty Affect Vertebral Motion Segment Stiffness and Stress Distributions. Spine, 2005, 30, 1258-1265.	2.0	55
36	Prevention of Hip Lag Screw Cut-Out by Cement Augmentation: Description of a New Technique and Preliminary Clinical Results. Journal of Orthopaedic Trauma, 2004, 18, 34-40.	1.4	50

#	Article	IF	Citations
37	Finite Element Modeling of Trabecular Bone Damage. Computer Methods in Biomechanics and Biomedical Engineering, 2003, 6, 209-216.	1.6	20