

Lazaros Vlachopoulos

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

980
citations

471509

17
h-index

501196

28
g-index

60
all docs

60
docs citations

60
times ranked

756
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of medial open wedge high tibial osteotomy on tibial tuberosityâ€”trochlear groove distance. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2023, 31, 1500-1506.	4.2	6
2	Tibial tunnel enlargement is affected by the tunnel diameter-screw ratio in tibial hybrid fixation for hamstring ACL reconstruction. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2023, 143, 1923-1930.	2.4	6
3	The effect of native knee rotation on the tibial-tubercle-trochlear-groove distance in patients with patellar instability: an analysis of MRI and CT measurements. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2022, 142, 3149-3155.	2.4	13
4	Restoration of Native Leg Length After Opening-Wedge High Tibial Osteotomy: An Intraindividual Analysis. <i>Orthopaedic Journal of Sports Medicine</i> , 2022, 10, 232596712110637.	1.7	1
5	Tibial internal rotation in combined anterior cruciate ligament and high-grade anterolateral ligament injury and its influence on ACL length. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 262.	1.9	5
6	A Statistical Shape Model-Based Analysis of Periacetabular Osteotomies. <i>Journal of Bone and Joint Surgery - Series A</i> , 2022, 104, 1107-1115.	3.0	2
7	The winking sign is an indicator for increased femorotibial rotation in patients with recurrent patellar instability. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 3651-3658.	4.2	5
8	Elongation Patterns of Posterolateral Corner Reconstruction Techniques: Results Using 3-Dimensional Weightbearing Computed Tomography Simulation. <i>Orthopaedic Journal of Sports Medicine</i> , 2022, 10, 232596712210902.	1.7	1
9	Elongation Patterns of the Superficial Medial Collateral Ligament and the Posterior Oblique Ligament: A 3-Dimensional, Weightbearing Computed Tomography Simulation. <i>Orthopaedic Journal of Sports Medicine</i> , 2022, 10, 232596712210912.	1.7	1
10	Restoration of the patient-specific anatomy of the distal fibula based on a novel three-dimensional contralateral registration method. <i>Journal of Experimental Orthopaedics</i> , 2022, 9, 48.	1.8	1
11	Is the contralateral lesser trochanter a reliable reference for planning of total hip arthroplasty â€” a 3-dimensional analysis. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 268.	1.9	5
12	Three-dimensional preoperative planning in the weight-bearing state: validation and clinical evaluation. <i>Insights Into Imaging</i> , 2021, 12, 44.	3.4	8
13	Influence of femoral tunnel exit on the 3D graft bending angle in anterior cruciate ligament reconstruction. <i>Journal of Experimental Orthopaedics</i> , 2021, 8, 44.	1.8	7
14	Correction of complex three-dimensional deformities at the proximal femur using indirect reduction with angle blade plate and patient-specific instruments: a technical note. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 427.	2.3	2
15	Accuracy of joint line restoration based on three-dimensional registration of the contralateral tibial tuberosity and the fibular tip. <i>Journal of Experimental Orthopaedics</i> , 2021, 8, 84.	1.8	3
16	Osteochondral Allograft Reconstruction of the Tibia Plateau for Posttraumatic Defectsâ€”A Novel Computer-Assisted Method Using 3D Preoperative Planning and Patient-Specific Instrumentation. <i>The Surgery Journal</i> , 2021, 07, e289-e296.	0.7	2
17	Talar neck angle correlates with tibial torsionâ€”Guidance for 3D and 2D measurements in total ankle replacement. <i>Journal of Orthopaedic Research</i> , 2021, 39, 788-796.	2.3	2
18	Malpositioning of patient-specific instruments within the possible degrees of freedom in high-tibial osteotomy has no considerable influence on mechanical leg axis correction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 1356-1364.	4.2	23

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19	An automatic genetic algorithm framework for the optimization of three-dimensional surgical plans of forearm corrective osteotomies. <i>Medical Image Analysis</i> , 2020, 60, 101598.	11.6	18
20	Rotation or flexion alters mechanical leg axis measurements comparably in patients with different coronal alignment. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 3128-3134.	4.2	18
21	A real 3D measurement technique for the tibial slope: differentiation between different articular surfaces and comparison to radiographic slope measurement. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 635.	1.9	8
22	<p>The Accuracy of Three-Dimensional Planned Bone Tumor Resection Using Patient-Specific Instrument</p>. <i>Cancer Management and Research</i> , 2020, Volume 12, 6533-6540.	1.9	16
23	Combined Correction of Tibial Torsion and Tibial Tuberosityâ€“Trochlear Groove Distance by Supratuberositary Torsional Osteotomy of the Tibia. <i>American Journal of Sports Medicine</i> , 2020, 48, 2260-2267.	4.2	16
24	Three-dimensional meniscus allograft sizingâ€”a study of 280 healthy menisci. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 74.	2.3	16
25	The impact of limb loading and the measurement modality (2D versus 3D) on the measurement of the limb loading dependent lower extremity parameters. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 418.	1.9	22
26	Accuracy of three dimensional-planned patient-specific instrumentation in femoral and tibial rotational osteotomy for patellofemoral instability. <i>International Orthopaedics</i> , 2020, 44, 1711-1717.	1.9	25
27	The impact of mal-angulated femoral rotational osteotomies on mechanical leg axis: a computer simulation model. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 50.	1.9	9
28	Accuracy of 3D-planned patient specific instrumentation in high tibial open wedge valgisation osteotomy. <i>Journal of Experimental Orthopaedics</i> , 2020, 7, 7.	1.8	47
29	Meniscus sizing using three-dimensional models of the ipsilateral tibia plateau based on CT scans â€” an experimental study of a new sizing approach. <i>Journal of Experimental Orthopaedics</i> , 2020, 7, 36.	1.8	3
30	Mal-angulation of femoral rotational osteotomies causes more postoperative sagittal mechanical leg axis deviation in supracondylar than in subtrochanteric procedures. <i>Journal of Experimental Orthopaedics</i> , 2020, 7, 46.	1.8	3
31	Introducing the Lateral Femoral Condyle Index as a Risk Factor for Anterior Cruciate Ligament Injury. <i>American Journal of Sports Medicine</i> , 2019, 47, 2420-2426.	4.2	39
32	Contralateral MRI scan can be used reliably for three-dimensional meniscus sizing â€” Retrospective analysis of 160 healthy menisci. <i>Knee</i> , 2019, 26, 954-961.	1.6	9
33	Fully Automatic Planning of Total Shoulder Arthroplasty Without Segmentation: A Deep Learning Based Approach. <i>Lecture Notes in Computer Science</i> , 2019, , 22-34.	1.3	3
34	Joint-preserving tumour resection around the knee with allograft reconstruction using three-dimensional preoperative planning and patient-specific instruments. <i>Knee</i> , 2019, 26, 787-793.	1.6	18
35	Restoration of the Patient-Specific Anatomy of the Proximal and Distal Parts of the Humerus. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, e50.	3.0	23
36	Is the contralateral tibia a reliable template for reconstruction: a three-dimensional anatomy cadaveric study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 2324-2331.	4.2	26

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37	A scale-space curvature matching algorithm for the reconstruction of complex proximal humeral fractures. <i>Medical Image Analysis</i> , 2018, 43, 142-156.	11.6	25
38	Improving accuracy of opening-wedge osteotomies of distal radius using a patient-specific ramp-guide technique. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 374.	1.9	14
39	A Novel Method for the Approximation of Humeral Head Retrotorsion Based on Three-Dimensional Registration of the Bicipital Groove. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, e101.	3.0	8
40	Assessment of the Isometry of the Anterolateral Ligament in a 3-Dimensional Weight-Bearing Computed Tomography Simulation. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2017, 33, 1016-1023.	2.7	16
41	The Legend of the Luschka Tubercle and Its Association With Snapping Scapulae: Osseous Morphology of Snapping Scapulae on CT Images. <i>American Journal of Roentgenology</i> , 2017, 209, 159-166.	2.2	3
42	Prediction of normal bone anatomy for the planning of corrective osteotomies of malunited forearm bones using a three-dimensional statistical shape model. <i>Journal of Orthopaedic Research</i> , 2017, 35, 2630-2636.	2.3	29
43	Computer-assisted planning and patient-specific guides for the treatment of midshaft clavicle malunions. <i>Journal of Shoulder and Elbow Surgery</i> , 2017, 26, 1367-1373.	2.6	16
44	Accuracy and Early Clinical Outcome of 3-Dimensional Planned and Guided Single-Cut Osteotomies of Malunited Forearm Bones. <i>Journal of Hand Surgery</i> , 2017, 42, 1031.e1-1031.e8.	1.6	36
45	A Novel Registration-Based Approach for 3D Assessment of Posttraumatic Distal Humeral Deformities. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, e127.	3.0	5
46	Three-Dimensional Correction of Complex Ankle Deformities With Computer-Assisted Planning and Patient-Specific Surgical Guides. <i>Journal of Foot and Ankle Surgery</i> , 2017, 56, 1158-1164.	1.0	18
47	Treatment of Charcot Neuroarthropathy and osteomyelitis of the same foot: a retrospective cohort study. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 460.	1.9	15
48	Three-dimensional corrective osteotomies of complex malunited humeral fractures using patient-specific guides. <i>Journal of Shoulder and Elbow Surgery</i> , 2016, 25, 2040-2047.	2.6	49
49	Tumor resection at the pelvis using three-dimensional planning and patient-specific instruments: a case series. <i>World Journal of Surgical Oncology</i> , 2016, 14, 249.	1.9	63
50	Regression forest-based automatic estimation of the articular margin plane for shoulder prosthesis planning. <i>Medical Image Analysis</i> , 2016, 31, 88-97.	11.6	12
51	Computer-Assisted 3-Dimensional Reconstructions of Scaphoid Fractures and Nonunions With and Without the Use of Patient-Specific Guides: Early Clinical Outcomes and Postoperative Assessments of Reconstruction Accuracy. <i>Journal of Hand Surgery</i> , 2016, 41, 59-69.	1.6	59
52	Computer algorithms for three-dimensional measurement of humeral anatomy: analysis of 140 paired humeri. <i>Journal of Shoulder and Elbow Surgery</i> , 2016, 25, e38-e48.	2.6	29
53	Three-dimensional postoperative accuracy of extra-articular forearm osteotomies using CT-scan based patient-specific surgical guides. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 336.	1.9	61
54	Three-dimensional corrective osteotomies of malunited clavicles: is the contralateral anatomy a reliable template for reconstruction?. <i>Clinical Anatomy</i> , 2015, 28, 865-871.	2.7	14

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55	Complex Osteotomies of Tibial Plateau Malunions Using Computer-Assisted Planning and Patient-Specific Surgical Guides. <i>Journal of Orthopaedic Trauma</i> , 2015, 29, e270-e276.	1.4	54
56	Automatic string generation for estimating in vivo length changes of the medial patellofemoral ligament during knee flexion. <i>Medical and Biological Engineering and Computing</i> , 2014, 52, 511-520.	2.8	13
57	Persisting Growth After Prophylactic Single-Screw Epiphysiodesis in Upper Femoral Epiphysis. <i>Journal of Pediatric Orthopaedics</i> , 2013, 33, 816-820.	1.2	6
58	Suture Slippage in Knotless Suture Anchors as a Potential Failure Mechanism in Rotator Cuff Repair. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2012, 28, 1622-1627.	2.7	17
59	Mutation analysis of the growth factor genes <i>PlGF</i> , <i>Flt1</i> , <i>IGF-1</i> , and <i>IGF-IR</i> in intrauterine growth restriction with abnormal placental blood flow. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2010, 23, 142-147.	1.5	5