

Sandro F Fucentese

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

2,712
citations

201674

27
h-index

197818

49
g-index

88
all docs

88
docs citations

88
times ranked

2136
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of medial open wedge high tibial osteotomy on tibial tuberosity-trochlear groove distance. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2023, 31, 1500-1506.	4.2	6
2	No relevant mechanical leg axis deviation in the frontal and sagittal planes is to be expected after subtrochanteric or supracondylar femoral rotational or derotational osteotomy. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2023, 31, 414-423.	4.2	4
3	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
4	Decrease of tibial tuberosity trochlear groove distance following mechanically aligned total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2023, 31, 1162-1167.	4.2	1
5	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
6	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
7	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
8	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
9	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
10	Effectiveness of proximal tibial tubercle transfer in patients with patella baja after total knee arthroplasty. <i>Journal of Experimental Orthopaedics</i> , 2022, 9, 16.	1.8	0
11	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
12	Injury risks among elite competitive alpine skiers are underestimated if not registered prospectively, over the entire season and regardless of whether requiring medical attention. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 1635-1643.	4.2	24
13	Patellofemoral instability in trochleodysplastic knee joints and the quantitative influence of simulated trochleoplasty - A finite element simulation. <i>Clinical Biomechanics</i> , 2021, 81, 105216.	1.2	12
14	Factors affecting outcome in the treatment of streptococcal periprosthetic joint infections: results from a single-centre retrospective cohort study. <i>International Orthopaedics</i> , 2021, 45, 57-63.	1.9	6
15	Tibial torsion analysis in computed tomography: development and validation of a real 3D measurement technique. <i>Insights Into Imaging</i> , 2021, 12, 18.	3.4	3
16	Inhibition of ERK 1/2 kinases prevents tendon matrix breakdown. <i>Scientific Reports</i> , 2021, 11, 6838.	3.3	9
17	Three-dimensional preoperative planning in the weight-bearing state: validation and clinical evaluation. <i>Insights Into Imaging</i> , 2021, 12, 44.	3.4	8
18	The quantitative influence of current treatment options on patellofemoral stability in patients with trochlear dysplasia and symptomatic patellofemoral instability - a finite element simulation. <i>Clinical Biomechanics</i> , 2021, 84, 105340.	1.2	2

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19	Shear-stress sensing by PIEZO1 regulates tendon stiffness in rodents and influences jumping performance in humans. <i>Nature Biomedical Engineering</i> , 2021, 5, 1457-1471.	22.5	54
20	Ultra-high resolution 3D MRI for chondrocalcinosis detection in the knee—a prospective diagnostic accuracy study comparing 7-tesla and 3-tesla MRI with CT. <i>European Radiology</i> , 2021, 31, 9436-9445.	4.5	10
21	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
22	Autologous Matrix-Induced Chondrogenesis (AMIC) for Isolated Retropatellar Cartilage Lesions: Outcome after a Follow-Up of Minimum 2 Years. <i>Cartilage</i> , 2021, 13, 1280S-1290S.	2.7	7
23	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
24	Osteochondral Allograft Reconstruction of the Tibia Plateau for Posttraumatic Defects—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
25	A novel augmented reality-based surgical guidance system for total knee arthroplasty. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2021, 141, 2227-2233.	2.4	14
26	Risk factor analysis for above-knee amputation in patients with periprosthetic joint infection of the knee: a case-control study. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 884.	1.9	1
27	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
28	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
29	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
30	Tibio-femoral kinematics of the healthy knee joint throughout complete cycles of gait activities. <i>Journal of Biomechanics</i> , 2020, 110, 109915.	2.1	22
31	Preoperative exercise in patients undergoing total knee arthroplasty: a pilot randomized controlled trial. <i>Archives of Physiotherapy</i> , 2020, 10, 13.	1.8	23
32	Deep Convolutional Neural Network-Based Diagnosis of Anterior Cruciate Ligament Tears. <i>Investigative Radiology</i> , 2020, 55, 499-506.	6.2	41
33	Combined Correction of Tibial Torsion and Tibial Tuberosity-Trochlear Groove Distance by Supratuberositary Torsional Osteotomy of the Tibia. <i>American Journal of Sports Medicine</i> , 2020, 48, 2260-2267.	4.2	16
34	Deep convolutional neural network-based detection of meniscus tears: comparison with radiologists and surgery as standard of reference. <i>Skeletal Radiology</i> , 2020, 49, 1207-1217.	2.0	43
35	Three-dimensional meniscus allograft sizing—a study of 280 healthy menisci. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 74.	2.3	16
36	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

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37	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
38	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
39	Biomechanical comparison of the use of different surgical suture techniques for continuous loop tendon grafts preparation. <i>Scientific Reports</i> , 2020, 10, 538.	3.3	2
40	3D-printed anatomic models of the knee for evaluation of patellofemoral dysplasia in comparison to standard radiographs and computed tomography. <i>European Journal of Radiology</i> , 2020, 127, 109011.	2.6	15
41	Macromechanics and polycaprolactone fiber organization drive macrophage polarization and regulate inflammatory activation of tendon in vitro and in vivo. <i>Biomaterials</i> , 2020, 249, 120034.	11.4	71
42	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
43	Meniscus sizing using three-dimensional models of the ipsilateral tibia plateau based on CT scans – an experimental study of a new sizing approach. <i>Journal of Experimental Orthopaedics</i> , 2020, 7, 36.	1.8	3
44	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
45	Trochleoplasty Techniques: Complications. , 2020, , 349-352.		0
46	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
47	Kinematic Evaluation of the GMK Sphere Implant During Gait Activities: A Dynamic Videofluoroscopy Study. <i>Journal of Orthopaedic Research</i> , 2019, 37, 2337-2347.	2.3	53
48	Contralateral MRI scan can be used reliably for three-dimensional meniscus sizing – Retrospective analysis of 160 healthy menisci. <i>Knee</i> , 2019, 26, 954-961.	1.6	9
49	<i>Francisella tularensis</i> Periprosthetic Joint Infections Diagnosed with Growth in Cultures. <i>Journal of Clinical Microbiology</i> , 2019, 57, .	3.9	10
50	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
51	Bone autografting in medial open wedge high tibial osteotomy results in improved osseous gap healing on computed tomography, but no functional advantage: a prospective, randomised, controlled trial. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 2951-2957.	4.2	27
52	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
53	Lateral unicompartmental knee replacement: a systematic review of reasons for failure. <i>International Orthopaedics</i> , 2018, 42, 1827-1833.	1.9	32
54	Total knee arthroplasty in patients with a history of illicit intravenous drug abuse. <i>International Orthopaedics</i> , 2018, 42, 101-107.	1.9	19

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55	<i>Corynebacterium</i> Species Rarely Cause Orthopedic Infections. <i>Journal of Clinical Microbiology</i> , 2018, 56, .	3.9	38
56	The Relationship of Femoral Tunnel Positioning in Medial Patellofemoral Ligament Reconstruction on Clinical Outcome and Postoperative Complications. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2018, 34, 2410-2416.	2.7	33
57	Pain-Associated Transcriptome Changes in Synovium of Knee Osteoarthritis Patients. <i>Genes</i> , 2018, 9, 338.	2.4	37
58	MRI Predictors of Posterolateral Corner Instability: A Decision Tree Analysis of Patients with Acute Anterior Cruciate Ligament Tear. <i>Radiology</i> , 2018, 289, 170-180.	7.3	25
59	Efficacy of standardized training on a virtual reality simulator to advance knee and shoulder arthroscopic motor skills. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 150.	1.9	50
60	Upright weight-bearing CT of the knee during flexion: changes of the patellofemoral and tibiofemoral articulations between 0° and 120°. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 853-862.	4.2	23
61	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
62	Conventional Radiographs and Magnetic Resonance Imaging for the Analysis of Trochlear Dysplasia: The Influence of Selected Levels on Magnetic Resonance Imaging. <i>American Journal of Sports Medicine</i> , 2017, 45, 1059-1065.	4.2	53
63	Intra-osseous local anaesthetic patellar pain catheter suppresses osteoarthritic patello-femoral pain. <i>Knee</i> , 2017, 24, 882-889.	1.6	1
64	Postoperative alignment of TKA in patients with severe preoperative varus or valgus deformity: is there a difference between surgical techniques?. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 272.	1.9	20
65	Long-term results of total knee arthroplasty in haemophilic patients: an 18-year follow-up. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 3431-3438.	4.2	29
66	Imaging of Individual Anatomical Risk Factors for Patellar Instability. <i>Seminars in Musculoskeletal Radiology</i> , 2016, 20, 065-073.	0.7	65
67	Performance of medical students on a virtual reality simulator for knee arthroscopy: an analysis of learning curves and predictors of performance. <i>BMC Surgery</i> , 2016, 16, 14.	1.3	40
68	The tibial tubercle trochlear groove distance in patients with trochlear dysplasia: the influence of the proximally flat trochlea. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 2741-2747.	4.2	22
69	Femoral insertion site in medial patellofemoral ligament reconstruction. <i>Knee</i> , 2016, 23, 456-459.	1.6	16
70	Complications after epiphyseal reconstruction of the anterior cruciate ligament in prepubescent children. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 2736-2740.	4.2	70
71	Novel Protocol for Knee Mobilization Under Femoral and Sciatic Nerve Blocks for Postoperative Knee Stiffness. <i>Orthopedics</i> , 2016, 39, e708-14.	1.1	7
72	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

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73	Unicompartmental knee arthroplasty MRI: impact of slice-encoding for metal artefact correction MRI on image quality, findings and therapy decision. <i>European Radiology</i> , 2015, 25, 2184-2193.	4.5	21
74	Upright CT of the knee: the effect of weight-bearing on joint alignment. <i>European Radiology</i> , 2015, 25, 3398-3404.	4.5	48
75	Evaluation of a virtual-reality-based simulator using passive haptic feedback for knee arthroscopy. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 1077-1085.	4.2	66
76	End-stage extension of the knee and its influence on tibial tuberosity-trochlear groove distance (TTTG) in asymptomatic volunteers. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 214-218.	4.2	76
77	Large metaphyseal volume hemiprostheses for complex fractures of the proximal humerus. <i>Journal of Shoulder and Elbow Surgery</i> , 2014, 23, 427-433.	2.6	19
78	Total Knee Arthroplasty MRI Featuring Slice-Encoding for Metal Artifact Correction: Reduction of Artifacts for STIR and Proton Density-Weighted Sequences. <i>American Journal of Roentgenology</i> , 2013, 201, 1315-1324.	2.2	48
79	Treatment options for patellofemoral instability in sports traumatology. <i>Orthopedic Reviews</i> , 2013, 5, e23.	1.3	11
80	Haemophilic knee arthropathy: long-term outcome after total knee replacement. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 2465-2470.	4.2	40
81	Classification of trochlear dysplasia as predictor of clinical outcome after trochleoplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 1655-1661.	4.2	88
82	Total shoulder arthroplasty with an uncemented soft-metal-backed glenoid component. <i>Journal of Shoulder and Elbow Surgery</i> , 2010, 19, 624-631.	2.6	76
83	The tibial tuberosity-trochlear groove distance; a comparative study between CT and MRI scanning. <i>Knee</i> , 2006, 13, 26-31.	1.6	453
84	The patella morphology in trochlear dysplasia – A comparative MRI study. <i>Knee</i> , 2006, 13, 145-150.	1.6	144
85	Trochleoplasty for patellar instability due to trochlear dysplasia. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2005, 76, 693-698.	3.3	172