

Vassilios S Nikolaou

List of Publications by Year in descending order

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Version: 2024-02-01

110
papers

2,204
citations

201674

27
h-index

265206

42
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113
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113
docs citations

113
times ranked

2599
citing authors

#	ARTICLE	IF	CITATIONS
1	Deciphering osteoarthritis genetics across 826,690 individuals from 9 populations. <i>Cell</i> , 2021, 184, 4784-4818.e17.	28.9	188
2	The influence of osteoporosis in femoral fracture healing time. <i>Injury</i> , 2009, 40, 663-668.	1.7	151
3	Imageless computer assisted versus conventional total knee replacement. A Bayesian meta-analysis of 23 comparative studies. <i>International Orthopaedics</i> , 2011, 35, 331-339.	1.9	125
4	Prevalence of chest trauma, associated injuries and mortality: a level I trauma centre experience. <i>International Orthopaedics</i> , 2009, 33, 1425-1433.	1.9	100
5	Vanishing bone disease (Gorham-Stout syndrome): A review of a rare entity. <i>World Journal of Orthopedics</i> , 2014, 5, 694.	1.8	92
6	Inflammatory Pseudotumor Complicating Metal-On-Highly Cross-Linked Polyethylene Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2012, 27, 324.e5-324.e8.	3.1	75
7	MRI efficacy in diagnosing internal lesions of the knee: a retrospective analysis. <i>Journal of Trauma Management and Outcomes</i> , 2008, 2, 4.	0.9	63
8	Bone printing: new frontiers in the treatment of bone defects. <i>Injury</i> , 2015, 46, S20-S22.	1.7	62
9	The role of augmented reality in Anatomical education: An overview. <i>Annals of Anatomy</i> , 2020, 229, 151463.	1.9	62
10	ACL reconstruction with semitendinosus tendon autograft without detachment of its tibial insertion: a histologic study in a rabbit model. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2007, 15, 1175-1180.	4.2	58
11	A prospective randomised controlled trial comparing three alternative bearing surfaces in primary total hip replacement. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2012, 94-B, 459-465.	3.4	53
12	Comparative clinical study of ultrasound-guided A1 pulley release vs open surgical intervention in the treatment of trigger finger. <i>World Journal of Orthopedics</i> , 2017, 8, 163.	1.8	53
13	Single injection of platelet-rich plasma as a novel treatment of carpal tunnel syndrome. <i>Neural Regeneration Research</i> , 2015, 10, 1856.	3.0	52
14	Platelet-rich plasma ultrasound-guided injection in the treatment of carpal tunnel syndrome: A placebo-controlled clinical study. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e1480-e1488.	2.7	48
15	Proximal tibial fractures: early experience using polyaxial locking-plate technology. <i>International Orthopaedics</i> , 2011, 35, 1215-1221.	1.9	43
16	Platelet-Rich Plasma versus Corticosteroid Intra-Articular Injections for the Treatment of Trapeziometacarpal Arthritis: A Prospective Randomized Controlled Clinical Trial. <i>Cartilage</i> , 2021, 12, 51-61.	2.7	38
17	Single dose of tranexamic acid effectively reduces blood loss and transfusion rates in elderly patients undergoing surgery for hip fracture: a randomized controlled trial. <i>Bone and Joint Journal</i> , 2021, 103-B, 442-448.	4.4	37
18	Hamstring tendons regeneration after ACL reconstruction: an overview. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2007, 15, 153-160.	4.2	34

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19	Intramedullary fixation of intertrochanteric hip fractures: a comparison of two implant designs. <i>International Orthopaedics</i> , 2007, 31, 71-76.	1.9	32
20	How Surgeons Make Decisions When the Evidence Is Inconclusive. <i>Journal of Hand Surgery</i> , 2013, 38, 1202-1208.	1.6	32
21	Reliability of the classification of proximal femur fractures: Does clinical experience matter?. <i>Injury</i> , 2018, 49, 819-823.	1.7	32
22	Augmented Reality in Orthopedics: Current State and Future Directions. <i>Frontiers in Surgery</i> , 2019, 6, 38.	1.4	32
23	Highly Porous Titanium Acetabular Components in Primary and Revision Total Hip Arthroplasty: A Systematic Review. <i>Journal of Arthroplasty</i> , 2020, 35, 1737-1749.	3.1	32
24	Innovations in osteosynthesis and fracture care. <i>Injury</i> , 2008, 39, 827-838.	1.7	31
25	The Effect of Angular Mismatch Between Vertebral Endplate and Vertebral Body Replacement Endplate on Implant Subsidence. <i>Journal of Spinal Disorders and Techniques</i> , 2013, 26, 268-273.	1.9	31
26	Perioperative Skin Preparation and Draping in Modern Total Joint Arthroplasty: Current Evidence. <i>Surgical Infections</i> , 2015, 16, 221-225.	1.4	30
27	Does the CT improve inter- and intra-observer agreement for the AO, Fernandez and Universal classification systems for distal radius fractures?. <i>Injury</i> , 2014, 45, 1579-1584.	1.7	29
28	Three-dimensional printing in anatomy teaching: current evidence. <i>Surgical and Radiologic Anatomy</i> , 2020, 42, 835-841.	1.2	28
29	Treatment of experimental osteomyelitis by Methicillin Resistant <i>Staphylococcus Aureus</i> with bone cement system releasing grepafloxacin. <i>Injury</i> , 2008, 39, 1384-1390.	1.7	23
30	Trevor's Disease: A Literature Review regarding Classification, Treatment, and Prognosis apropos of a Case. <i>Case Reports in Orthopedics</i> , 2014, 2014, 1-8.	0.3	22
31	History of osteochondral allograft transplantation. <i>Injury</i> , 2017, 48, 1283-1286.	1.7	22
32	Interobserver Variability in the Treatment of Little Finger Metacarpal Neck Fractures. <i>Journal of Hand Surgery</i> , 2014, 39, 1722-1727.	1.6	21
33	Common controversies in total knee replacement surgery: Current evidence. <i>World Journal of Orthopedics</i> , 2014, 5, 460.	1.8	21
34	Multiple trauma: An ongoing evolution of treatment modalities?. <i>Injury</i> , 2009, 40, 115-119.	1.7	19
35	Outcomes of the use of plastination in anatomy education: current evidence. <i>Surgical and Radiologic Anatomy</i> , 2019, 41, 1181-1186.	1.2	18
36	Fixation of Mitchell's osteotomy with bioabsorbable pins for treatment of hallux valgus deformity. <i>International Orthopaedics</i> , 2009, 33, 701-706.	1.9	17

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37	Elderly tibial shaft fractures: Open fractures are not associated with increased mortality rates. <i>Injury</i> , 2010, 41, 620-623.	1.7	16
38	Platelet-Rich Plasma Guided Injections: Clinical Application in Peripheral Neuropathies. <i>Frontiers in Surgery</i> , 2014, 1, 41.	1.4	16
39	Evaluation of persistent pain after hip resurfacing. <i>Bulletin of the NYU Hospital for Joint Diseases</i> , 2009, 67, 168-72.	0.7	16
40	Use of Femoral Shaft Fracture Classification for Predicting the Risk of Associated Injuries. <i>Journal of Orthopaedic Trauma</i> , 2011, 25, 556-559.	1.4	14
41	Total Knee Replacement and Chemical Thromboprophylaxis: Current Evidence. <i>Current Vascular Pharmacology</i> , 2011, 9, 33-41.	1.7	14
42	A Narrative Review of Four Different New Techniques in Primary Anterior Cruciate Ligament Repair: "Back to the Future" or Another Trend?. <i>Sports Medicine - Open</i> , 2018, 4, 37.	3.1	14
43	Is Oxidized Zirconium Femoral Head Superior to Other Bearing Types in Total Hip Arthroplasty? A Systematic Review and Meta-Analysis. <i>Journal of Arthroplasty</i> , 2019, 34, 1844-1852.	3.1	14
44	Anatomic double-bundle versus single-bundle ACL reconstruction: a comparative biomechanical study in rabbits. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2009, 17, 895-906.	4.2	13
45	Presence of Cobalt and Chromium Ions in the Seminal Fluid of Young Patients With Metal-on-Metal Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2013, 28, 161-167.	3.1	13
46	Similar effect of ultrasound-guided platelet-rich plasma versus platelet-poor plasma injections for chronic plantar fasciitis. <i>Foot</i> , 2019, 38, 30-33.	1.1	13
47	General Assembly, Prevention, Surgical Site Preparation: Proceedings of International Consensus on Orthopedic Infections. <i>Journal of Arthroplasty</i> , 2019, 34, S85-S92.	3.1	12
48	The early results of metal-on-metal hip resurfacing - a prospective study at a minimum two-year follow-up. <i>Bulletin of the NYU Hospital for Joint Diseases</i> , 2009, 67, 132-4.	0.7	12
49	Biomechanical studies: Science (f)or common sense?. <i>Injury</i> , 2014, 45, 2035-2039.	1.7	11
50	Congenital anomalies of the limbs in mythology and antiquity. <i>International Orthopaedics</i> , 2018, 42, 957-965.	1.9	11
51	Cemented Müller straight stem total hip replacement: 18 year survival, clinical and radiological outcomes. <i>World Journal of Orthopedics</i> , 2013, 4, 303.	1.8	10
52	The "challenging" fractures of the odontoid process: a review of the classification schemes. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2017, 27, 469-475.	1.4	10
53	Efficacy and safety of tranexamic acid in hip fracture surgery. How does dosage affect outcomes: A meta-analysis of randomized controlled trials. <i>Injury</i> , 2022, 53, 294-300.	1.7	10
54	Experimental Osteomyelitis Caused by Methicillin-Resistant <i>Staphylococcus aureus</i> Treated with a Polylactide Carrier Releasing Linezolid. <i>Surgical Infections</i> , 2011, 12, 131-135.	1.4	9

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55	Pelvic discontinuity: a challenge to overcome. EFORT Open Reviews, 2021, 6, 459-471.	4.1	9
56	Investigation on the distal screw of a trochanteric intramedullary implant (Fi-nail) using a simplified finite element model. Injury, 2010, 41, 259-265.	1.7	8
57	Essex-Lopresti injuries: an update. EFORT Open Reviews, 2019, 4, 143-150.	4.1	8
58	Reconstruction of the forearm interosseous membrane: a biomechanical study of three different techniques. Journal of Hand Surgery: European Volume, 2020, 45, 360-368.	1.0	8
59	Inflammatory Leiomyosarcoma of the Ankle: A Case Report and Review of the Literature. Journal of Foot and Ankle Surgery, 2006, 45, 127-130.	1.0	7
60	Questioning the therapeutic value of corticosteroid bursal injection after ultrasound-guided irrigation and lavage for the treatment of shoulder calcific tendinosis. Journal of Orthopaedics, 2020, 18, 16-22.	1.3	7
61	Cement-in-cement technique of the femoral component in aseptic total hip arthroplasty revision: A systematic review of the contemporary literature. Journal of Orthopaedics, 2021, 26, 14-22.	1.3	7
62	Role of fetuin A in the diagnosis and treatment of joint arthritis. World Journal of Orthopedics, 2017, 8, 461.	1.8	7
63	Fondaparinux for the Prevention or Treatment of Venous ThromboEmbolic Related to Lower Limb Trauma: Evidence Today. Current Vascular Pharmacology, 2008, 6, 134-142.	1.7	6
64	Morphometric analysis of the odontoid process: using computed tomography in the Greek population. European Journal of Orthopaedic Surgery and Traumatology, 2016, 26, 119-125.	1.4	6
65	Mixed reality for visualization of orthopedic surgical anatomy. World Journal of Orthopedics, 2021, 12, 727-731.	1.8	6
66	N-6 polyunsaturated fatty acids confer hemodynamic stability in an experimental model of multiple trauma. Prostaglandins Leukotrienes and Essential Fatty Acids, 2005, 72, 357-362.	2.2	5
67	Posterior stabilization of cervical spine injuries using the Roy-Camille plates: a long-term follow-up. European Journal of Orthopaedic Surgery and Traumatology, 2014, 24, 125-130.	1.4	5
68	Anatomical considerations of C2 lamina for the placement of translaminal screw: a review of the literature. European Journal of Orthopaedic Surgery and Traumatology, 2018, 28, 343-349.	1.4	5
69	Safety and outcome of simultaneous bilateral unicompartmental knee arthroplasty: A systematic review. Journal of Orthopaedics, 2021, 24, 58-64.	1.3	5
70	Unilateral Adrenal Hemorrhage After Total Knee Arthroplasty. Orthopedics, 2014, 37, e508-11.	1.1	5
71	Metal-on-metal total hip arthroplasty - five- to 11-year follow-up. Bulletin of the NYU Hospital for Joint Diseases, 2011, 69 Suppl 1, S77-83.	0.7	5
72	Axillary artery and brachial plexus injury after anterior shoulder dislocation: report of a case and review of the literature. European Journal of Orthopaedic Surgery and Traumatology, 2008, 18, 595-598.	1.4	4

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73	Magnetic resonance imaging of painful metal-on-metal total hip replacement. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2015, 25, 313-319.	1.4	4
74	Isolated Fracture of the Trapezoid. A Rare Injury. <i>Journal of Hand and Microsurgery</i> , 2016, 07, 104-105.	0.3	4
75	Central band reconstruction for the treatment of Essex-Lopresti injury : A novel technique using the brachioradialis tendon. <i>Acta Orthopaedica Belgica</i> , 2019, 85, 63-71.	0.4	4
76	Calcaneonavicular coalition. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2006, 16, 70-74.	1.4	3
77	Plate on Plate Osteosynthesis for the Treatment of Nonhealed Periplate Fractures. <i>ISRN Orthopedics</i> , 2014, 2014, 1-6.	0.8	3
78	Nicholas J. Giannestras (1908–1978): a distinguished orthopaedic surgeon, his work, life and times. <i>International Orthopaedics</i> , 2015, 39, 2297-2302.	1.9	3
79	Interpretation of Post-operative Distal Humerus Radiographs After Internal Fixation: Prediction of Later Loss of Fixation. <i>Journal of Hand Surgery</i> , 2016, 41, e337-e341.	1.6	3
80	Total Hip Replacement in Developmental Hip Dysplasia: A Narrative Review. <i>Cureus</i> , 2021, 13, e14763.	0.5	3
81	Two-level reconstruction of isolated fracture of the lesser tuberosity of the humerus. <i>World Journal of Clinical Cases</i> , 2014, 2, 219.	0.8	3
82	The modern Burch-Schneider antiprotrusio cage for the treatment of acetabular defects: is it still an option? A systematic review. <i>HIP International</i> , 2023, 33, 705-715.	1.7	3
83	Paraspinal desmoid tumor: a case report and a literature review. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2008, 18, 525-529.	1.4	2
84	Thalidomide prolongs survival after experimental musculoskeletal injury, through an effect on mononuclear apoptosis. <i>Journal of Surgical Research</i> , 2014, 188, 198-205.	1.6	2
85	Patient radiation doses in various fluoroscopically guided orthopaedic procedures. <i>Radiation Protection Dosimetry</i> , 2016, 168, 72-75.	0.8	2
86	The role of intra-articular administration of Fetuin-A in post-traumatic knee osteoarthritis: an experimental study in a rat model. <i>Journal of Experimental Orthopaedics</i> , 2019, 6, 25.	1.8	2
87	Kinematic and Kinetic Waveform Changes of the Knee Joint Following a Mobile Bearing Total Knee Arthroplasty – Gait Analysis and Single Step Ascent. <i>Journal of Knee Surgery</i> , 2020, 33, 978-986.	1.6	2
88	Polyethylene liner cementation into a well-fixed metal acetabular shell for the management of periacetabular osteolysis: a systematic review. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2022, 32, 1459-1468.	1.4	2
89	Similar Biomechanical Behavior in Gait Analysis between Ceramic-on-Ceramic and Ceramic-on-XLPE Total Hip Arthroplasties. <i>Life</i> , 2021, 11, 1366.	2.4	2
90	Accuracy and Interobserver and Intraobserver Reliability of Ultrasound in the Early Diagnosis of Occult Scaphoid Fractures: Diagnostic Criteria and a Way of Interpretation. <i>Journal of Surgical Orthopaedic Advances</i> , 2019, 28, 1-9.	0.1	2

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91	Letter to the Editor Regarding "Proposal of a New Safety Margin for Placement of C2 Pedicle Screws on Computed Tomography Angiography"; World Neurosurgery, 2020, 135, 409.	1.3	1
92	Reply to Letter to the Editor on "Highly Porous Titanium Acetabular Components in Primary and Revision Total Hip Arthroplasty: A Systematic Review"; Journal of Arthroplasty, 2020, 35, 2303.	3.1	1
93	Possible Roles of Vitamin D in Bone Grafting. Cureus, 2021, 13, e14688.	0.5	1
94	Change in BMI affects the risk of falling in postmenopausal osteopenic and osteoporotic women. Journal of Frailty, Sarcopenia and Falls, 2021, 06, 86-91.	1.2	1
95	Crowned Dens Syndrome Incidentally Diagnosed After Investigation of Cervical Spine Injury With Incomplete Quadriplegia: A Case Report and Review of the Literature. Journal of Medical Cases, 2015, 6, 167-169.	0.7	1
96	Comment on: "Intraoperative 3D Hologram Support With Mixed Reality Techniques in Liver Surgery"; Annals of Surgery, 2021, 274, e761-e762.	4.2	1
97	Study on the Reliability and Accuracy of Scolioscope, a New Digital Scoliometer. Diagnostics, 2022, 12, 142.	2.6	1
98	Novel Anticoagulants: New Evidence for Emerging Drugs and Their Potential Application in Major Lower Limb Surgery. Current Vascular Pharmacology, 2011, 9, 54-60.	1.7	0
99	Letter to the Editor Regarding "Mixed Reality-Based Preoperative Planning for Training of Percutaneous Transforaminal Endoscopic Discectomy: A Feasibility Study"; World Neurosurgery, 2020, 139, 660.	1.3	0
100	Letter to the Editor Regarding "Biomimetic 3-Dimensional"Printed Posterior Cervical Laminectomy and Fusion Simulation: Advancements in Education Tools for Trainee Instruction"; World Neurosurgery, 2020, 137, 495.	1.3	0
101	Investigating correlation between self-reported clinical manifestation and synovial fluid and blood levels of Dickkopf-1 and sclerostin in patients with primary knee osteoarthritis. Clinical Rheumatology, 2020, 39, 3889-3891.	2.2	0
102	Letter to the Editor Regarding: "Usefulness of 3D Printed Models in the Management of Complex Craniovertebral Junction Anomalies: Choice of Treatment Strategy, Design of Screw Trajectory, and Protection of Vertebral Artery."; World Neurosurgery, 2020, 142, 558.	1.3	0
103	Letter: Design and Validation of a Cervical Laminectomy Simulator using 3-Dimensional Printing and Hydrogel Phantoms. Operative Neurosurgery, 2020, 19, E220-E221.	0.8	0
104	Letter to the Editor Regarding "Immersive Three-Dimensional Modeling and Virtual Reality for Enhanced Visualization of Operative Neurosurgical Anatomy"; World Neurosurgery, 2020, 137, 500-501.	1.3	0
105	Letter to the Editor Regarding: "Development of a Novel 3D-Printed Phantom for Teaching Neurosurgical Trainees the Freehand Technique of C2 Laminar Screw Placement"; World Neurosurgery, 2020, 136, 437-438.	1.3	0
106	Letter to the Editor Regarding: "Innovative Educational Pathways in Spine Surgery: Advanced Virtual Reality-Based Training"; World Neurosurgery, 2021, 148, 225.	1.3	0
107	Femoral fractures are an indicator of increased severity of injury for road traffic collision victims: an autopsy-based case-control study on 4895 fatalities. Archives of Orthopaedic and Trauma Surgery, 2021, , 1.	2.4	0
108	Rationale and Long Term Outcome of Rotating Platform Total Knee Replacement. , 2015, , 135-141.		0

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109	Nontraumatic Fracture of a Custom-Made Wagner Cone Prosthesis Hip Stem: A Case Report. Journal of Long-Term Effects of Medical Implants, 2017, 27, 77-83.	0.7	0
110	Functional outcome and complications using the intramedullary hip screw for intertrochanteric fractures. Journal of Surgical Orthopaedic Advances, 2011, 20, 188-92.	0.1	0