

Georg Matziolis

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,220
citations

471509

17
h-index

395702

33
g-index

64
all docs

64
docs citations

64
times ranked

1324
citing authors

#	ARTICLE	IF	CITATIONS
1	Poor Outcome of Above-Knee Amputation after Septic Failure of Revision Total Knee Arthroplasty. <i>Journal of Knee Surgery</i> , 2022, 35, 645-652.	1.6	6
2	Less soft tissue release in total knee arthroplasty for anteromedial compared to posteromedial knee osteoarthritis. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2022, , 1.	2.4	0
3	Sex Differences in Serum C-Reactive Protein Course after Total Hip Arthroplasty. <i>Clinics in Orthopedic Surgery</i> , 2022, 14, 48.	2.2	5
4	Does Total Hip Arthroplasty Influence the Development and Localization of Sacral Insufficiency Fractures?. <i>Journal of Bone and Joint Surgery - Series A</i> , 2022, 104, 139-144.	3.0	3
5	Vancomycin is toxic to human chondrocytes in vitro. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2021, 141, 375-381.	2.4	12
6	Unicondylar Tibiofemoral Arthroplasty – Opinions of the Members of the German Knee Society (DKG) and the German Professional Association of Orthopaedic and Trauma Specialists (BVOU). <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , 2021, 159, 47-53.	0.7	5
7	An Isoelastic Monoblock Cup Retains More Acetabular and Femoral Bone Than a Modular Press-Fit Cup. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 992-999.	3.0	3
8	Biopolymer surface modification of PLGA fibers enhances interfacial shear strength and supports immobilization of rhGDF-5 in fiber-reinforced brushite cement. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 115, 104285.	3.1	8
9	The bactericidal effect of vancomycin is not altered by tranexamic acid, adrenalin, dexamethasone, or lidocaine in vitro. <i>Scientific Reports</i> , 2021, 11, 10739.	3.3	0
10	Meta-analysis of the efficacy of preoperative skin preparation with alcoholic chlorhexidine compared to povidone iodine in orthopedic surgery. <i>Scientific Reports</i> , 2021, 11, 18634.	3.3	8
11	Feasibility Analysis of a Novel Method for the Estimation of Local Bone Mechanical Properties: A Preliminary Investigation of Different Pressure Rod Designs on Synthetic Cancellous Bone Models. <i>Archives of Bone and Joint Surgery</i> , 2021, 9, 203-210.	0.2	0
12	Effect of additional distal femoral resection on flexion deformity in posterior-stabilized total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 2924-2929.	4.2	7
13	A novel method for intraoperative osseomechanical strength measurements: a biomechanical ex vivo evaluation on proximal femora. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2020, 140, 727-734.	2.4	2
14	Tranexamic acid is toxic on human chondrocytes, in vitro. <i>Journal of Orthopaedics</i> , 2020, 20, 1-5.	1.3	14
15	Intraarticular vancomycin powder is effective in preventing infections following total hip and knee arthroplasty. <i>Scientific Reports</i> , 2020, 10, 13053.	3.3	25
16	Reliability analysis of CT torsion assessment after closed cephalomedullary nailing of trochanteric femoral fractures. A comparison study of six established methods. <i>Journal of Orthopaedic Science</i> , 2020, 27, 146-146.	1.1	2
17	Long-term follow-up of bone remodelling after cementless hip arthroplasty using different stems. <i>Scientific Reports</i> , 2020, 10, 10143.	3.3	11
18	Sagittal profile has a significant impact on the explantability of well-fixed cemented stems in revision knee arthroplasty: a biomechanical comparison study of five established knee implant models. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2019, 139, 991-998.	2.4	5

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19	Good clinical and radiological results of total knee arthroplasty using varus valgus constrained or rotating hinge implants in ligamentous laxity. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 1665-1670.	4.2	10
20	Local Anestheticsâ€™ Toxicity toward Human Cultured Chondrocytes: A Comparative Study between Lidocaine, Bupivacaine, and Ropivacaine. <i>Cartilage</i> , 2019, 10, 364-369.	2.7	18
21	The femoral component alignment resulting from spacer block technique is not worse than after intramedullary guided technique in medial unicompartmental knee arthroplasty. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2018, 138, 865-870.	2.4	7
22	Normalized gait analysis parameters are closely related to patient-reported outcome measures after total knee arthroplasty. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2018, 138, 711-717.	2.4	15
23	Cemented conical stems can be removed more easily than cylindrical stems, regardless of cone angle in revision knee arthroplasty. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2018, 138, 1747-1754.	2.4	4
24	Underlying mechanism of subcortical brain protection during hypoxia and reoxygenation in a sheep model - Influence of β 1-adrenergic signalling. <i>PLoS ONE</i> , 2018, 13, e0196363.	2.5	7
25	CTLA-4 Mediates Inhibitory Function of Mesenchymal Stem/Stromal Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2312.	4.1	29
26	Patient Obesity Influences Pelvic Lift During Cup Insertion in Total Hip Arthroplasty Through a Lateral Transgluteal Approach in Supine Position. <i>Journal of Arthroplasty</i> , 2017, 32, 2762-2767.	3.1	12
27	C-reactive protein course during the first 5 days after total knee arthroplasty cannot predict early prosthetic joint infection. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2017, 137, 1115-1119.	2.4	15
28	Evaluation of a vital staining protocol with 2,3,5-triphenyltetrazolium chloride for cancellous bone in a sheep model. <i>Research in Veterinary Science</i> , 2017, 114, 131-135.	1.9	1
29	Changes of posterior condylar offset results in midflexion instability in single-radius total knee arthroplasty. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2017, 137, 713-717.	2.4	31
30	The fibular head projection is of limited use as a radiographic landmark in preoperative planning of total knee arthroplasty. <i>Skeletal Radiology</i> , 2017, 46, 1379-1384.	2.0	1
31	Patient-Specific Contact Stress Does Not Predict Polyethylene Wear Rate in a Specific Pressfit Cup. <i>Journal of Arthroplasty</i> , 2017, 32, 3802-3805.	3.1	4
32	Effects of Kinesio taping compared to arterio-venous Impulse Systemâ„¢ on limb swelling and skin temperature after total knee arthroplasty. <i>International Orthopaedics</i> , 2017, 41, 301-307.	1.9	26
33	A Pronounced Inflammatory Activity Characterizes the Early Fracture Healing Phase in Immunologically Restricted Patients. <i>International Journal of Molecular Sciences</i> , 2017, 18, 583.	4.1	45
34	A Simple Procedure for the Evaluation of Bone Vitality by Staining with a Tetrazolium Salt. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1646.	4.1	1
35	Redistribution of Cerebral Blood Flow during Severe Hypovolemia and Reperfusion in a Sheep Model: Critical Role of β 1-Adrenergic Signaling. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1031.	4.1	8
36	Increase of cortical cerebral blood flow and further cerebral microcirculatory effects of Serelaxin in a sheep model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H613-H620.	3.2	7

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37	Morbidly Obese Patients Undergoing Reduced Cup Anteversion Through a Direct Lateral Approach. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, 729-734.	3.0	5
38	The C-reactive protein level after total knee arthroplasty is gender specific. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 3163-3167.	4.2	11
39	Surgically modifiable factors measured by computer-navigation together with patient-specific factors predict knee society score after total knee arthroplasty. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 78.	1.9	5
40	Patient-specific and intra-operatively modifiable factors assessed by computer navigation predict maximal knee flexion one year after TKA. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 3457-3465.	4.2	5
41	The reversed gap technique produces anatomical alignment with less midflexion instability in total knee arthroplasty: a prospective randomized trial. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 2430-2435.	4.2	10
42	Regional differences in temperature course after knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 2686-2691.	4.2	10
43	Current Failure Mechanisms After Knee Arthroplasty Have Changed: Polyethylene Wear Is Less Common in Revision Surgery. <i>Journal of Bone and Joint Surgery - Series A</i> , 2015, 97, 715-720.	3.0	236
44	High failure rate of a new pressfit cup in mid-term follow-up. <i>International Orthopaedics</i> , 2015, 39, 1813-1817.	1.9	5
45	The volume of the human knee joint. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2015, 135, 1401-1403.	2.4	21
46	Preoperative irradiation for the prevention of heterotopic ossification induces local inflammation in humans. <i>Bone</i> , 2013, 55, 93-101.	2.9	18
47	Increased flexion position of the femoral component reduces the flexion gap in total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 1092-1096.	4.2	29
48	The difference between stretching and splitting muscle trauma during THA seems not to play a dominant role in influencing periprosthetic BMD changes. <i>Clinical Biomechanics</i> , 2012, 27, 813-818.	1.2	11
49	How much of the PCL is really preserved during the tibial cut?. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 1083-1086.	4.2	48
50	Pre-operative frontal plane malalignment predicts the extension gap asymmetry in knee osteoarthritis. <i>International Orthopaedics</i> , 2012, 36, 79-82.	1.9	14
51	Collateral ligament length change patterns after joint line elevation may not explain midflexion instability following TKA. <i>Medical Engineering and Physics</i> , 2011, 33, 1303-1308.	1.7	25
52	The gap technique does not rotate the femur parallel to the epicondylar axis. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2011, 131, 163-166.	2.4	19
53	Influence of the Position of the Fibular Head After Implantation of a Total Knee Prosthesis on Femorotibial Rotation. <i>Orthopedics</i> , 2011, 34, e610-4.	1.1	4
54	Joint line elevation in revision TKA leads to increased patellofemoral contact forces. <i>Journal of Orthopaedic Research</i> , 2010, 28, 1-5.	2.3	88

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55	Varus malalignment has no influence on clinical outcome in midterm follow-up after total knee replacement. Archives of Orthopaedic and Trauma Surgery, 2010, 130, 1487-1491.	2.4	134
56	Rotation of the femoral component in total knee arthroplastyâ€”a refresher. European Orthopaedics and Traumatology, 2010, 1, 31-35.	0.1	1
57	Developmental Hip Dysplasia Treated with Total Hip Arthroplasty with a Straight Stem and a Threaded Cup. Journal of Bone and Joint Surgery - Series A, 2004, 86, 312-319.	3.0	95
58	Massive metallosis after revision of a fractured ceramic head onto a metal head. Archives of Orthopaedic and Trauma Surgery, 2003, 123, 48-50.	2.4	67