

Matthias A Zumstein

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

4,743
citations

147566

31
h-index

95083

68
g-index

99
all docs

99
docs citations

99
times ranked

3609
citing authors

#	ARTICLE	IF	CITATIONS
1	Patient-specific instrumentation reduces deviations between planned and postosteotomy humeral retroversion and height in shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2022, 31, 1929-1937.	1.2	1
2	Residual stability of the distal radioulnar joint following ulnar styloid fracture: influence of the remnant distal radioulnar ligaments. <i>Journal of Hand Surgery: European Volume</i> , 2022, 47, 944-951.	0.5	0
3	Glenoid Component Placement Assisted by Augmented Reality Through a Head-Mounted Display During Reverse Shoulder Arthroplasty. <i>Arthroscopy Techniques</i> , 2022, 11, e863-e874.	0.5	16
4	Cell lineage tracing and functional assessment of supraspinatus tendon healing in an acute repair murine model. <i>Journal of Orthopaedic Research</i> , 2021, 39, 1789-1799.	1.2	13
5	Impact of humeral and glenoid component variations on range of motion in reverse geometry total shoulder arthroplasty: a standardized computer model study. <i>Journal of Shoulder and Elbow Surgery</i> , 2021, 30, 763-771.	1.2	18
6	Muscle fat content in the intact infraspinatus muscle correlates with age and BMI, but not critical shoulder angle. <i>European Journal of Trauma and Emergency Surgery</i> , 2021, 47, 607-616.	0.8	2
7	BiPOD arthroscopically assisted bidirectional stabilisation technique for high-grade acromioclavicular joint injury: two-year clinical and radiological outcomes. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2021, 141, 1559-1565.	1.3	4
8	The Critical Size of Ulnar Styloid Fragment for the DRUJ Stability. <i>Journal of Wrist Surgery</i> , 2021, 10, 385-391.	0.3	3
9	Editorial Commentary: No Difference in Knotted Versus Knotless Anchors for Labral Repair in the Shoulder. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2021, 37, 1322.	1.3	0
10	Swiss-wide multicentre evaluation and prediction of core outcomes in arthroscopic rotator cuff repair: protocol for the ARCR_Pred cohort study. <i>BMJ Open</i> , 2021, 11, e045702.	0.8	10
11	Evaluation of the Circles Measurement and the ABC Classification of Acromioclavicular Joint Injuries. <i>American Journal of Sports Medicine</i> , 2021, 49, 1619-1625.	1.9	10
12	Should We Repair the Pronator Quadratus in a Distal Radius Fracture with an Ulnar Styloid Base Fracture? A Biomechanical Study. <i>Journal of Wrist Surgery</i> , 2021, 10, 407-412.	0.3	6
13	What's the best surgical repair technique of an ulnar styloid fracture? A biomechanical comparison of different techniques. <i>Injury</i> , 2021, 52, 2835-2840.	0.7	2
14	A biomechanical study comparing the mean load to failure of two different osteosynthesis techniques for step-cut olecranon osteotomy. <i>JSES Reviews, Reports, and Techniques</i> , 2021, 1, 414-420.	0.1	0
15	Nonoperative and Operative Soft-Tissue, Cartilage, and Bony Regeneration and Orthopaedic Biologics of the Shoulder: An Orthoregeneration Network (ON) Foundation Review. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2021, 37, 3200-3218.	1.3	10
16	Capsulolabral Reconstruction During the Open Latarjet Procedure. <i>Arthroscopy Techniques</i> , 2021, 10, e2397-e2406.	0.5	7
17	Biomechanical analysis of the humeral head coverage, glenoid inclination and acromio-glenoidal height as isolated components of the critical shoulder angle in a dynamic cadaveric shoulder model. <i>Clinical Biomechanics</i> , 2020, 72, 115-121.	0.5	6
18	Surgical Management of Massive Irreparable Cuff Tears: Latissimus Dorsi Transfer for Posterosuperior Tears. <i>Current Reviews in Musculoskeletal Medicine</i> , 2020, 13, 605-611.	1.3	14

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19	Ulnar footprints of the distal radioulnar ligaments: a detailed topographical study in 21 cadaveric wrists. <i>Journal of Hand Surgery: European Volume</i> , 2020, 45, 931-938.	0.5	8
20	A biomechanical confirmation of the relationship between critical shoulder angle (CSA) and articular joint loading. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 1967-1973.	1.2	7
21	Improved identification of unstable acromioclavicular joint injuries in a clinical population using the acromial center line to dorsal clavicle radiographic measurement. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 1599-1605.	1.2	15
22	Triceps-Sparing Extra-Articular Step-Cut Olecranon Osteotomy. , 2020, , 99-103.		0
23	All-Arthroscopic, 270° Reconstruction of the Inferior Glenohumeral Ligament With Palmaris Longus Autograft. <i>Arthroscopy Techniques</i> , 2019, 8, e1145-e1151.	0.5	3
24	Subscapularis in Reverse Total Shoulder Arthroplasty. <i>Journal of Shoulder and Elbow Arthroplasty</i> , 2019, 3, 247154921983419.	0.5	9
25	Biomechanical comparison of two biplanar and one monoplanar reconstruction techniques of the acromioclavicular joint. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2019, 139, 779-786.	1.3	16
26	Free Vascularized Fibular Graft for Reconstruction of the Lateral Clavicle. <i>JBJS Case Connector</i> , 2019, 9, e0330-e0330.	0.1	5
27	New quantitative radiographic parameters for vertical and horizontal instability in acromioclavicular joint dislocations. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 125-135.	2.3	46
28	Many Shoulder MRI Findings in Elite Professional Throwing Athletes Resolve After Retirement: A Clinical and Radiographic Study. <i>Clinical Orthopaedics and Related Research</i> , 2018, 476, 620-631.	0.7	13
29	Current concepts in the primary management of irreparable posterosuperior rotator cuff tears without arthritis. <i>EFORT Open Reviews</i> , 2018, 3, 200-209.	1.8	39
30	Shoulder Injuries in Handball. , 2018, , 177-195.		2
31	Shoulder Instability in Handball Players. , 2018, , 197-216.		1
32	Genetic lineage tracing of targeted cell populations during enthesis healing. <i>Journal of Orthopaedic Research</i> , 2018, 36, 3275-3284.	1.2	30
33	The biology of rotator cuff healing. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2017, 103, S1-S10.	0.9	100
34	Neer Award 2016: reduced muscle degeneration and decreased fatty infiltration after rotator cuff tear in a poly(ADP-ribose) polymerase 1 (PARP-1) knock-out mouse model. <i>Journal of Shoulder and Elbow Surgery</i> , 2017, 26, 733-744.	1.2	24
35	BiPOD Arthroscopic Acromioclavicular Repair Restores Bidirectional Stability. <i>Orthopedics</i> , 2017, 40, e35-e43.	0.5	10
36	Triceps-sparing extra-articular step-cut olecranon osteotomy for distal humeral fractures: an anatomic study. <i>Journal of Shoulder and Elbow Surgery</i> , 2017, 26, 1620-1628.	1.2	10

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37	Rotator cuff pathology: state of the art. Journal of ISAKOS, 2017, 2, 213-221.	1.1	2
38	Optimal Lateral Row Anchor Positioning in Posterior-Superior Transosseous Equivalent Rotator Cuff Repair. Orthopaedic Journal of Sports Medicine, 2016, 4, 232596711667130.	0.8	12
39	The Role of Capsular Repair in Latarjet Procedures. Journal of Bone and Joint Surgery - Series A, 2016, 98, e75.	1.4	2
40	SECEC Research Grant 2008 II: Use of platelet- and leucocyte-rich fibrin (L-PRF) does not affect late rotator cuff tendon healing: a prospective randomized controlled study. Journal of Shoulder and Elbow Surgery, 2016, 25, 2-11.	1.2	59
41	Reconstruction of Chronic Foveal TFCC Tears with an Autologous Tendon Graft. Journal of Wrist Surgery, 2015, 04, 009-014.	0.3	10
42	Platelet-rich Concentrates Differentially Release Growth Factors and Induce Cell Migration In Vitro. Clinical Orthopaedics and Related Research, 2015, 473, 1635-1643.	0.7	195
43	Dynamic intraligamentary stabilization and primary repair: A new concept for the treatment of knee dislocation. Injury, 2015, 46, 724-728.	0.7	30
44	Extra-articular step osteotomy of the olecranon: A biomechanical assessment. Clinical Biomechanics, 2015, 30, 1043-1048.	0.5	10
45	Rotator Cuff Tear in Athletes: Part II. Conservative Management "European Mindset." , 2015, , 63-71.		0
46	Dynamic intraligamentary stabilization: novel technique for preserving the ruptured ACL. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 1215-1221.	2.3	95
47	Ultrastructure and Pathoanatomy of the Rotator Cuff. , 2015, , 207-220.		0
48	Arthroscopic Hill-Sachs Remplissage with Bankart Repair: Strategy and Technique. JBJS Essential Surgical Techniques, 2014, 4, e4.	0.3	7
49	Biologics in rotator cuff surgery. Shoulder and Elbow, 2014, 6, 239-244.	0.7	7
50	Mid-term results of transphyseal anterior cruciate ligament reconstruction in children and adolescents. Knee, 2014, 21, 80-85.	0.8	81
51	ACL reconstruction with physiological graft tension by intraoperative adjustment of the anteroposterior translation to the uninjured contralateral knee. Knee Surgery, Sports Traumatology, Arthroscopy, 2014, 22, 1055-1060.	2.3	8
52	Extracortical plate fixation with new plate inserts and cerclage wires for the treatment of periprosthetic hip fractures. International Orthopaedics, 2014, 38, 489-494.	0.9	7
53	S100A1 and S100B Expression Patterns Identify Differentiation Status of Human Articular Chondrocytes. Journal of Cellular Physiology, 2014, 229, 1106-1117.	2.0	28
54	Age, trauma and the critical shoulder angle accurately predict supraspinatus tendon tears. Orthopaedics and Traumatology: Surgery and Research, 2014, 100, 489-494.	0.9	90

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55	Increased vascularization during early healing after biologic augmentation in repair of chronic rotator cuff tears using autologous leukocyte- and platelet-rich fibrin (L-PRF): a prospective randomized controlled pilot trial. <i>Journal of Shoulder and Elbow Surgery</i> , 2014, 23, 3-12.	1.2	71
56	Classification of platelet concentrates (Platelet-Rich Plasma-PRP, Platelet-Rich Fibrin-PRF) for topical and infiltrative use in orthopedic and sports medicine: current consensus, clinical implications and perspectives. <i>Muscles, Ligaments and Tendons Journal</i> , 2014, 4, 3-9.	0.1	185
57	Tenocytes of chronic rotator cuff tendon tears can be stimulated by platelet-released growth factors. <i>Journal of Shoulder and Elbow Surgery</i> , 2013, 22, 340-349.	1.2	62
58	Ligament Origins Are Preserved in Distal Radial Intraarticular Two-Part Fractures: A Computed Tomography-Based Study. <i>Journal of Wrist Surgery</i> , 2013, 02, 255-262.	0.3	29
59	Fatal Air Embolus During Internal Fixation of the Clavicle. <i>JBJS Case Connector</i> , 2013, 3, e24.	0.1	14
60	Anatomical and Functional Results After Arthroscopic Hill-Sachs Remplissage. <i>Journal of Bone and Joint Surgery - Series A</i> , 2012, 94, 618-626.	1.4	206
61	Leukocyte- and Platelet-Rich Fibrin (L-PRF) for Long-Term Delivery of Growth Factor in Rotator Cuff Repair: Review, Preliminary Results and Future Directions. <i>Current Pharmaceutical Biotechnology</i> , 2012, 13, 1196-1206.	0.9	87
62	More accurate component alignment in navigated total knee arthroplasty has no clinical benefit at 5-year follow-up. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012, 83, 629-633.	1.2	18
63	Device for lengthening of a musculotendinous unit by direct continuous traction in the sheep. <i>BMC Veterinary Research</i> , 2012, 8, 50.	0.7	5
64	The unstable painful shoulder (UPS) as a cause of pain from unrecognized anteroinferior instability in the young athlete. <i>Journal of Shoulder and Elbow Surgery</i> , 2011, 20, 98-106.	1.2	68
65	Problems, complications, reoperations, and revisions in reverse total shoulder arthroplasty: A systematic review. <i>Journal of Shoulder and Elbow Surgery</i> , 2011, 20, 146-157.	1.2	740
66	Long-Term Outcome in Patients With Mild Traumatic Brain Injury: A Prospective Observational Study. <i>Journal of Trauma</i> , 2011, 71, 120-127.	2.3	66
67	The Future of Platelet Concentrates in Sports Medicine: Platelet-Rich Plasma, Platelet-Rich Fibrin, and the Impact of Scaffolds and Cells on the Long-term Delivery of Growth Factors. <i>Operative Techniques in Sports Medicine</i> , 2011, 19, 190-197.	0.2	25
68	Reversed shoulder Arthroplasty with modified L'Episcopo for combined loss of active elevation and external rotation. <i>Journal of Shoulder and Elbow Surgery</i> , 2010, 19, 20-30.	1.2	144
69	Adipogenic and myogenic gene expression in rotator cuff muscle of the sheep after tendon tear. <i>Journal of Orthopaedic Research</i> , 2009, 27, 504-509.	1.2	75
70	Expression of Atrophy mRNA Relates to Tendon Tear Size in Supraspinatus Muscle. <i>Clinical Orthopaedics and Related Research</i> , 2009, 467, 457-464.	0.7	45
71	Neer Award 2007: Reversion of structural muscle changes caused by chronic rotator cuff tears using continuous musculotendinous traction. An experimental study in sheep. <i>Journal of Shoulder and Elbow Surgery</i> , 2009, 18, 163-171.	1.2	131
72	How Accurately Can the Acetabular Rim Be Trimmed in Hip Arthroscopy for Pincer-Type Femoral Acetabular Impingement: A Cadaveric Investigation. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2009, 25, 164-168.	1.3	52

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73	Upregulation of skeletal muscle actin and myosin heavy polypeptide gene products in degenerating rotator cuff muscles. <i>Journal of Orthopaedic Research</i> , 2008, 26, 1007-1011.	1.2	13
74	The Clinical and Structural Long-Term Results of Open Repair of Massive Tears of the Rotator Cuff. <i>Journal of Bone and Joint Surgery - Series A</i> , 2008, 90, 2423-2431.	1.4	402
75	Impact of Fatty Infiltration of the Teres Minor Muscle on the Outcome of Reverse Total Shoulder Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2007, 89, 934-939.	1.4	175
76	Predictors of Scapular Notching in Patients Managed with the Delta III Reverse Total Shoulder Replacement. <i>Journal of Bone and Joint Surgery - Series A</i> , 2007, 89, 588-600.	1.4	416
77	The Risk of Vascular Injury to the Femoral Head When Using the Posterolateral Arthroscopy Portal: Cadaveric Investigation. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2007, 23, 1112-1115.	1.3	33
78	A novel multiple-trauma CT-scanning protocol using patient repositioning may increase risks of iatrogenic injuries. <i>Emergency Radiology</i> , 2007, 13, 349-351.	1.0	9
79	Tripartite patella: late appearance of a third ossification center in childhood. <i>Journal of Pediatric Orthopaedics Part B</i> , 2006, 15, 75-76.	0.3	6
80	Lesser Tuberosity Osteotomy for Total Shoulder Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 170-177.	1.4	77
81	Long-Term Outcome After Structural Failure of Rotator Cuff Repairs. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 472.	1.4	182
82	LONG-TERM OUTCOME AFTER STRUCTURAL FAILURE OF ROTATOR CUFF REPAIRS. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 472-479.	1.4	4
83	Lesser Tuberosity Osteotomy for Total Shoulder Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 170-177.	1.4	68
84	MRI Findings in Throwing Shoulders. <i>Clinical Orthopaedics and Related Research</i> , 2005, &NA;, 130-137.	0.7	80
85	Subscapularis Muscle Function and Structure After Total Shoulder Replacement with Lesser Tuberosity Osteotomy and Repair. <i>Journal of Bone and Joint Surgery - Series A</i> , 2005, 87, 1739.	1.4	100
86	In vitro comparison of standard and knotless metal suture anchors. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2004, 20, 517-520.	1.3	42