

Matthias A Zumstein

List of Publications by Year in descending order

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86
papers

4,743
citations

147726

31
h-index

95218

68
g-index

99
all docs

99
docs citations

99
times ranked

3609
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Platelet-rich Concentrates Differentially Release Growth Factors and Induce Cell Migration In Vitro. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 1635-1643.	0.7	195
6	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
7	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
8	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
9	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
10	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
11	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
12	The biology of rotator cuff healing. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2017, 103, S1-S10.	0.9	100
13	Dynamic intraligamentary stabilization: novel technique for preserving the ruptured ACL. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 1215-1221.	2.3	95
14	Age, trauma and the critical shoulder angle accurately predict supraspinatus tendon tears. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2014, 100, 489-494.	0.9	90
15	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
16	Mid-term results of transphyseal anterior cruciate ligament reconstruction in children and adolescents. <i>Knee</i> , 2014, 21, 80-85.	0.8	81
17	MRI Findings in Throwing Shoulders. <i>Clinical Orthopaedics and Related Research</i> , 2005, &NA;, 130-137.	0.7	80
18	Lesser Tuberosity Osteotomy for Total Shoulder Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 170-177.	1.4	77

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19	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
20	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
21	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
22	Lesser Tuberosity Osteotomy for Total Shoulder Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 170-177.	1.4	68
23	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
24	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
25	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. <i>Journal of Shoulder and Elbow Surgery</i> , 2016, 25, 2-11.	1.2	59
26	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
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	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
29	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
30	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
31	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
32	Dynamic intraligamentary stabilization and primary repair: A new concept for the treatment of knee dislocation. <i>Injury</i> , 2015, 46, 724-728.	0.7	30
33	Genetic lineage tracing of targeted cell populations during enthesis healing. <i>Journal of Orthopaedic Research</i> , 2018, 36, 3275-3284.	1.2	30
34	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
35	S100A1 and S100B Expression Patterns Identify Differentiation Status of Human Articular Chondrocytes. <i>Journal of Cellular Physiology</i> , 2014, 229, 1106-1117.	2.0	28
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	Fatal Air Embolus During Internal Fixation of the Clavicle. <i>JBJS Case Connector</i> , 2013, 3, e24.	0.1	14
44	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
45	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
46	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
47	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
48	Optimal Lateral Row Anchor Positioning in Posterior-Superior Transosseous Equivalent Rotator Cuff Repair. <i>Orthopaedic Journal of Sports Medicine</i> , 2016, 4, 232596711667130.	0.8	12
49	Reconstruction of Chronic Foveal TFCC Tears with an Autologous Tendon Graft. <i>Journal of Wrist Surgery</i> , 2015, 04, 009-014.	0.3	10
50	Extra-articular step osteotomy of the olecranon: A biomechanical assessment. <i>Clinical Biomechanics</i> , 2015, 30, 1043-1048.	0.5	10
51	BiPOD Arthroscopic Acromioclavicular Repair Restores Bidirectional Stability. <i>Orthopedics</i> , 2017, 40, e35-e43.	0.5	10
52	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
53	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
54	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

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55	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
56	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
57	Subscapularis in Reverse Total Shoulder Arthroplasty. <i>Journal of Shoulder and Elbow Arthroplasty</i> , 2019, 3, 247154921983419.	0.5	9
58	ACL reconstruction with physiological graft tension by intraoperative adjustment of the anteroposterior translation to the uninjured contralateral knee. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 1055-1060.	2.3	8
59	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
60	Arthroscopic Hill-Sachs Remplissage with Bankart Repair: Strategy and Technique. <i>JBJS Essential Surgical Techniques</i> , 2014, 4, e4.	0.3	7
61	Biologics in rotator cuff surgery. <i>Shoulder and Elbow</i> , 2014, 6, 239-244.	0.7	7
62	Extracortical plate fixation with new plate inserts and cerclage wires for the treatment of periprosthetic hip fractures. <i>International Orthopaedics</i> , 2014, 38, 489-494.	0.9	7
63	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
64	Capsulolabral Reconstruction During the Open Latarjet Procedure. <i>Arthroscopy Techniques</i> , 2021, 10, e2397-e2406.	0.5	7
65	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
66	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
67	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
68	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
69	Free Vascularized Fibular Graft for Reconstruction of the Lateral Clavicle. <i>JBJS Case Connector</i> , 2019, 9, e0330-e0330.	0.1	5
70	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
71	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
72	All-Arthroscopic, 270° Reconstruction of the Inferior Glenohumeral Ligament With Palmaris Longus Autograft. <i>Arthroscopy Techniques</i> , 2019, 8, e1145-e1151.	0.5	3

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73	The Critical Size of Ulnar Styloid Fragment for the DRUJ Stability. Journal of Wrist Surgery, 2021, 10, 385-391.	0.3	3
74	The Role of Capsular Repair in Latarjet Procedures. Journal of Bone and Joint Surgery - Series A, 2016, 98, e75.	1.4	2
75	Rotator cuff pathology: state of the art. Journal of ISAKOS, 2017, 2, 213-221.	1.1	2
76	Shoulder Injuries in Handball. , 2018, , 177-195.		2
77	Muscle fat content in the intact infraspinatus muscle correlates with age and BMI, but not critical shoulder angle. European Journal of Trauma and Emergency Surgery, 2021, 47, 607-616.	0.8	2
78	What's the best surgical repair technique of an ulnar styloid fracture? A biomechanical comparison of different techniques. Injury, 2021, 52, 2835-2840.	0.7	2
79	Shoulder Instability in Handball Players. , 2018, , 197-216.		1
80	Patient-specific instrumentation reduces deviations between planned and postosteotomy humeral retrotorsion and height in shoulder arthroplasty. Journal of Shoulder and Elbow Surgery, 2022, 31, 1929-1937.	1.2	1
81	Rotator Cuff Tear in Athletes: Part II. Conservative Management "European Mindset. , 2015, , 63-71.		0
82	Editorial Commentary: No Difference in Knotted Versus Knotless Anchors for Labral Repair in the Shoulder. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2021, 37, 1322.	1.3	0
83	A biomechanical study comparing the mean load to failure of two different osteosynthesis techniques for step-cut olecranon osteotomy. JSES Reviews, Reports, and Techniques, 2021, 1, 414-420.	0.1	0
84	Ultrastructure and Pathoanatomy of the Rotator Cuff. , 2015, , 207-220.		0
85	Triceps-Sparing Extra-Articular Step-Cut Olecranon Osteotomy. , 2020, , 99-103.		0
86	Residual stability of the distal radioulnar joint following ulnar styloid fracture: influence of the remnant distal radioulnar ligaments. Journal of Hand Surgery: European Volume, 2022, 47, 944-951.	0.5	0