

April D Armstrong

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

2,084
citations

279798

23
h-index

233421

45
g-index

83
all docs

83
docs citations

83
times ranked

1571
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliability of range-of-motion measurement in the elbow and forearm. <i>Journal of Shoulder and Elbow Surgery</i> , 1998, 7, 573-580.	2.6	201
2	Comparison of standard two-dimensional and three-dimensional corrected glenoid version measurements. <i>Journal of Shoulder and Elbow Surgery</i> , 2011, 20, 577-583.	2.6	173
3	Anatomy and Biomechanics of the Elbow. <i>Orthopedic Clinics of North America</i> , 2008, 39, 141-154.	1.2	145
4	Two-Dimensional Glenoid Version Measurements Vary with Coronal and Sagittal Scapular Rotation. <i>Journal of Bone and Joint Surgery - Series A</i> , 2010, 92, 692-699.	3.0	139
5	The efficacy of ultrasound in the diagnosis of long head of the biceps tendon pathology. <i>Journal of Shoulder and Elbow Surgery</i> , 2006, 15, 7-11.	2.6	125
6	A biomechanical comparison of four reconstruction techniques for the medial collateral ligament-deficient elbow. <i>Journal of Shoulder and Elbow Surgery</i> , 2005, 14, 207-215.	2.6	116
7	Ultrasound evaluation and clinical correlation of subscapularis repair after total shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2006, 15, 541-548.	2.6	110
8	Rehabilitation of the medial collateral ligament-deficient elbow: An in vitro biomechanical study. <i>Journal of Hand Surgery</i> , 2000, 25, 1051-1057.	1.6	99
9	Glenoid spherical orientation and version. <i>Journal of Shoulder and Elbow Surgery</i> , 2011, 20, 3-11.	2.6	96
10	Multipotent Mesenchymal Stem Cells from Human Subacromial Bursa: Potential for Cell Based Tendon Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2014, 20, 239-249.	3.1	81
11	A biomechanical study of posterior glenoid bone loss and humeral head translation. <i>Journal of Shoulder and Elbow Surgery</i> , 2010, 19, 994-1002.	2.6	70
12	Validation of three-dimensional models of in situ scapulae. <i>Journal of Shoulder and Elbow Surgery</i> , 2008, 17, 825-832.	2.6	58
13	Patellar position after total knee arthroplasty. <i>Journal of Arthroplasty</i> , 2003, 18, 458-465.	3.1	52
14	Single-strand ligament reconstruction of the medial collateral ligament restores valgus elbow stability. <i>Journal of Shoulder and Elbow Surgery</i> , 2002, 11, 65-71.	2.6	51
15	Total elbow arthroplasty and distal humerus elbow fractures. <i>Hand Clinics</i> , 2004, 20, 475-483.	1.0	50
16	The Medial Collateral Ligament of the Elbow is not Isometric. <i>American Journal of Sports Medicine</i> , 2004, 32, 85-90.	4.2	46
17	Preoperative and intraoperative infection workup in apparently aseptic revision shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2015, 24, 491-500.	2.6	46
18	Mechanical characteristics of a novel posterior-step prosthesis for biconcave glenoid defects. <i>Journal of Shoulder and Elbow Surgery</i> , 2012, 21, 105-115.	2.6	37

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19	Location of the Optimized Centerline of the Glenoid Vault: A Comparison of Two Operative Techniques with Use of Three-Dimensional Computer Modeling. <i>Journal of Bone and Joint Surgery - Series A</i> , 2010, 92, 1188-1194.	3.0	29
20	Subscapularis function after total shoulder arthroplasty: electromyography, ultrasound, and clinical correlation. <i>Journal of Shoulder and Elbow Surgery</i> , 2016, 25, 1674-1680.	2.6	28
21	Application of screw displacement axes to quantify elbow instability. <i>Clinical Biomechanics</i> , 2003, 18, 303-310.	1.2	24
22	Testing of a novel pin array guide for accurate three-dimensional glenoid component positioning. <i>Journal of Shoulder and Elbow Surgery</i> , 2015, 24, 1939-1947.	2.6	24
23	Evaluation and Management of Adult Shoulder Pain. <i>Medical Clinics of North America</i> , 2014, 98, 755-775.	2.5	23
24	Chronically Unreduced Elbow Dislocations. <i>Hand Clinics</i> , 2008, 24, 91-103.	1.0	20
25	Medicine versus Orthopaedic Service for Hospital Management of Hip Fractures. <i>Clinical Orthopaedics and Related Research</i> , 2010, 468, 2218-2223.	1.5	17
26	Functional outcomes after shoulder resection: the patient's perspective. <i>Journal of Shoulder and Elbow Surgery</i> , 2015, 24, e247-e254.	2.6	17
27	Simple Elbow Dislocation. <i>Hand Clinics</i> , 2015, 31, 521-531.	1.0	15
28	Atraumatic snapping brachialis in a 37-year-old woman. <i>JAAPA: Official Journal of the American Academy of Physician Assistants</i> , 2007, 20, 48-51.	0.3	14
29	Peri-implant stress correlates with bone and cement morphology: Micro-FE modeling of implanted cadaveric glenoids. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1671-1679.	2.3	13
30	Efficacy of local infiltration anesthesia versus interscalene nerve blockade for total shoulder arthroplasty. <i>JSES International</i> , 2020, 4, 357-361.	1.6	13
31	3D full-field biomechanical testing of a glenoid before and after implant placement. <i>Extreme Mechanics Letters</i> , 2020, 35, 100614.	4.1	12
32	Risk Factors for Increased Postoperative Pain and Recommended Orderset for Postoperative Analgesic Usage. <i>Clinical Journal of Pain</i> , 2020, 36, 845-851.	1.9	11
33	Biomechanical Testing of Additive Manufactured Proximal Humerus Fracture Fixation Plates. <i>Annals of Biomedical Engineering</i> , 2020, 48, 463-476.	2.5	9
34	The terrible triad injury of the elbow. <i>Current Opinion in Orthopaedics</i> , 2005, 16, 267-270.	0.3	8
35	Elbow Arthroscopy: Set Up, Portals, and Tools for Success. <i>Operative Techniques in Orthopaedics</i> , 2009, 19, 209-219.	0.1	7
36	Posterior Displacement of Supraspinatus Central Tendon Observed on Magnetic Resonance Imaging: A Useful Preoperative Indicator of Rotator Cuff Tear Characteristics. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2015, 31, 2089-2098.	2.7	7

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37	Time course of peri-implant bone regeneration around loaded and unloaded implants in a rat model. <i>Journal of Orthopaedic Research</i> , 2017, 35, 997-1006.	2.3	7
38	Characterization of an anatomic safe zone surrounding the lower subscapular nerve during an open deltopectoral approach. <i>Journal of Shoulder and Elbow Surgery</i> , 2019, 28, 671-677.	2.6	7
39	Finite Element-Predicted Effects of Screw Configuration in Proximal Humerus Fracture Fixation. <i>Journal of Biomechanical Engineering</i> , 2020, 142, .	1.3	7
40	Design Evolution of the Glenoid Component in Total Shoulder Arthroplasty. <i>JBJS Reviews</i> , 2013, 1, .	2.0	6
41	Quality and Safety in Orthopaedics: Learning and Teaching at the Same Time. <i>Journal of Bone and Joint Surgery - Series A</i> , 2015, 97, 1809-1815.	3.0	6
42	Construct damage and loosening around glenoid implants: A longitudinal micro-CT study of five cadaver specimens. <i>Journal of Orthopaedic Research</i> , 2016, 34, 1053-1060.	2.3	6
43	Glenoid cement mantle characterization using micro-computed tomography of three cement application techniques. <i>Journal of Shoulder and Elbow Surgery</i> , 2016, 25, 572-580.	2.6	6
44	A Multidisciplinary Approach to Expedite Surgical Hip Fracture Care. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2020, 11, 215145931989864.	1.4	6
45	Management of anterior shoulder instability: ask the experts. <i>Journal of Shoulder and Elbow Surgery</i> , 2011, 20, 173-182.	2.6	5
46	I feel disconnected: learning technologies in resident education. <i>Instructional Course Lectures</i> , 2013, 62, 577-85.	0.2	5
47	Profile of Current Opinion on Arthroscopic Acromioplasty: A Video Survey Study. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2016, 32, 1253-1262.	2.7	4
48	Important Elements in the Quality Improvement Curriculum for Orthopaedic Residents. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, e28.	3.0	4
49	Glenohumeral joint loading is impacted by rotator cuff tear severity during functional task performance. <i>Clinical Biomechanics</i> , 2021, 90, 105494.	1.2	4
50	Evaluation of Patients' Response Toward Osteoporosis Letter Intervention Versus Phone Call Plus Letter Intervention. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2015, 6, 246-250.	1.4	3
51	Scapular Malunion in a Vietnam War Veteran: Superior Medial Angle of the Scapula Impinging on the Clavicle. <i>JBJS Case Connector</i> , 2015, 5, e102.	0.3	3
52	Increased pin diameter improves torsional stability in supracondylar humerus fractures: An experimental study. <i>Journal of Children's Orthopaedics</i> , 2016, 10, 163-167.	1.1	3
53	Distal humerus articular malunion after an open reduction-internal fixation of a capitellum-trochlea shear fracture: a case report. <i>Journal of Shoulder and Elbow Surgery</i> , 2016, 25, e55-e60.	2.6	3
54	American Board of Orthopaedic Surgery's Initiatives Toward Competency-Based Education. <i>JBJS Open Access</i> , 2022, 7, .	1.5	3

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55	Biceps tenodesis versus tenotomy. <i>Current Opinion in Orthopaedics</i> , 2004, 15, 239-241.	0.3	2
56	A Systems-Based Practice Curriculum in Orthopaedics. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, e2.	3.0	2
57	Orthopaedic Educators™ Electronic Community of Practice: Development of a Supportive Online Learning Environment for Academic Orthopedic Surgeons. , 2012, , 117-131.		2
58	Dry Catheter Technique in Shoulder Arthroplasty. <i>Journal of Shoulder and Elbow Arthroplasty</i> , 2018, 2, 247154921879911.	0.8	1
59	3D Full-Field Mechanical Measurement of a Shoulder Bone Under Implant Loading. <i>Minerals, Metals and Materials Series</i> , 2018, , 287-293.	0.4	1
60	Use of the Behavior Assessment Tool in 18 Pilot Residency Programs. <i>JBS Open Access</i> , 2020, 5, e20.00103.	1.5	1
61	Clinical Outcomes and Shoulder Kinematics for the "Gray Zone" Extra-articular Scapula Fracture in 5 Patients. <i>International Journal of Orthopedics</i> , 2020, 3, .	0.0	1
62	Atraumatic snapping brachialis in a 37-year-old woman. <i>JAAPA: Official Journal of the American Academy of Physician Assistants</i> , 2007, 20, 3.	0.3	0
63	Improved Magnetic Resonance Imaging Visualization of the Medial Collateral Ligament With Elbow Flexion. <i>Techniques in Shoulder and Elbow Surgery</i> , 2012, 13, 157-162.	0.2	0
64	Os Acromiale Rupture Associated with a Massive Rotator Cuff Tear Causing Deltoid Insufficiency and Superior Escape of the Humeral Head. <i>JBS Case Connector</i> , 2014, 4, e17.	0.3	0
65	Controversies in Shoulder Arthroplasty. <i>Techniques in Shoulder and Elbow Surgery</i> , 2015, 16, 126-139.	0.2	0
66	Acromial Malunion After Prior Acromioplasty Associated With Deltoid Dysfunction. <i>Techniques in Shoulder and Elbow Surgery</i> , 2016, 17, 58-62.	0.2	0
67	Shoulder Fracture Special Preface. <i>Techniques in Shoulder and Elbow Surgery</i> , 2016, 17, 101-101.	0.2	0
68	How One Question Can Lead to Many More. <i>JBS Orthopaedic Highlights Shoulder & Elbow</i> , 2011, 1, .	0.0	0
69	We Need More Studies Like This. <i>JBS Orthopaedic Highlights Shoulder & Elbow</i> , 2011, 1, .	0.0	0
70	We Need a Quality Research Revolution. <i>JBS Orthopaedic Highlights Shoulder & Elbow</i> , 2011, 1, .	0.0	0
71	Do You Think of the Pectoralis Major and Latissimus Dorsi Muscles When You Treat Rotator Cuff Tears?. <i>JBS Orthopaedic Highlights Shoulder & Elbow</i> , 2012, 2, .	0.0	0
72	Biceps Tenodesis Has No Effect in a Normal Shoulder. <i>JBS Orthopaedic Highlights Shoulder & Elbow</i> , 2012, 2, .	0.0	0

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73	There Is Still So Much That We Don't Understand!. JBJS Orthopaedic Highlights Shoulder & Elbow, 2012, 2, .	0.0	0
74	Something to Think About. JBJS Orthopaedic Highlights Shoulder & Elbow, 2012, 2, .	0.0	0
75	The Jury Is Still Out on the Î² Angle. JBJS Orthopaedic Highlights Shoulder & Elbow, 2012, 2, e7.	0.0	0
76	If 75% Are Healing with No Sequelae, Why Are We Operating?. JBJS Orthopaedic Highlights Shoulder & Elbow, 2012, 2, e1.	0.0	0
77	Not an Exact Science. JBJS Orthopaedic Highlights Shoulder & Elbow, 2012, 2, e2.	0.0	0
78	We Need a National Joint Registry. JBJS Orthopaedic Highlights Shoulder & Elbow, 2012, 2, e5.	0.0	0
79	Tendon Length: Does It Matter?. JBJS Orthopaedic Highlights Shoulder & Elbow, 2013, 3, e3.	0.0	0
80	A Good Question but Still Not Sure We Have an Answer. JBJS Orthopaedic Highlights Shoulder & Elbow, 2013, 3, e7.	0.0	0
81	Keep Asking Why. JBJS Orthopaedic Highlights Shoulder & Elbow, 2013, 3, e2.	0.0	0
82	Prevention Is the Key. JBJS Orthopaedic Highlights Shoulder & Elbow, 2013, 3, e5.	0.0	0