

Mark A Frankle

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112
papers

6,541
citations

44
h-index

80
g-index

134
ext. papers

7,637
ext. citations

3.4
avg, IF

5.74
L-index

#	Paper	IF	Citations
112	Reverse shoulder arthroplasty for the treatment of rotator cuff deficiency. <i>Journal of Bone and Joint Surgery - Series A</i> , 2008 , 90, 1244-51	5.6	421
111	The Reverse Shoulder Prosthesis for glenohumeral arthritis associated with severe rotator cuff deficiency. A minimum two-year follow-up study of sixty patients. <i>Journal of Bone and Joint Surgery - Series A</i> , 2005 , 87, 1697-705	5.6	393
110	Reverse shoulder arthroplasty for the treatment of irreparable rotator cuff tear without glenohumeral arthritis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2010 , 92, 2544-56	5.6	328
109	A comparison of open reduction and internal fixation and primary total elbow arthroplasty in the treatment of intraarticular distal humerus fractures in women older than age 65. <i>Journal of Orthopaedic Trauma</i> , 2003 , 17, 473-80	3.1	270
108	Complications in Reverse Total Shoulder Arthroplasty. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , 2011 , 19, 439-449	4.5	243
107	The use of the reverse shoulder prosthesis for the treatment of failed hemiarthroplasty for proximal humeral fracture. <i>Journal of Bone and Joint Surgery - Series A</i> , 2007 , 89, 292-300	5.6	241
106	Range of impingement-free abduction and adduction deficit after reverse shoulder arthroplasty. Hierarchy of surgical and implant-design-related factors. <i>Journal of Bone and Joint Surgery - Series A</i> , 2008 , 90, 2606-15	5.6	229
105	Outcomes of hemiarthroplasty for fractures of the proximal humerus. <i>Journal of Shoulder and Elbow Surgery</i> , 2003 , 12, 569-77	4.3	222
104	Initial glenoid component fixation in "reverse" total shoulder arthroplasty: a biomechanical evaluation. <i>Journal of Shoulder and Elbow Surgery</i> , 2005 , 14, 162S-167S	4.3	203
103	Evaluation of abduction range of motion and avoidance of inferior scapular impingement in a reverse shoulder model. <i>Journal of Shoulder and Elbow Surgery</i> , 2008 , 17, 608-15	4.3	172
102	Glenoid morphology in reverse shoulder arthroplasty: classification and surgical implications. <i>Journal of Shoulder and Elbow Surgery</i> , 2009 , 18, 874-85	4.3	149
101	Biomechanical comparison of component position and hardware failure in the reverse shoulder prosthesis. <i>Journal of Shoulder and Elbow Surgery</i> , 2007 , 16, S9-S12	4.3	147
100	Effects of acquired glenoid bone defects on surgical technique and clinical outcomes in reverse shoulder arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2010 , 92, 1144-54	5.6	143
99	The use of the reverse shoulder arthroplasty for treatment of failed total shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2012 , 21, 514-22	4.3	120
98	The reverse shoulder prosthesis for glenohumeral arthritis associated with severe rotator cuff deficiency. a minimum two-year follow-up study of sixty patients surgical technique. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006 , 88 Suppl 1 Pt 2, 178-90	5.6	120
97	Reverse shoulder arthroplasty for the treatment of rotator cuff deficiency: a concise follow-up, at a minimum of five years, of a previous report. <i>Journal of Bone and Joint Surgery - Series A</i> , 2012 , 94, 1996-2000	5.6	112
96	Reverse shoulder arthroplasty in patients with rheumatoid arthritis. <i>Journal of Shoulder and Elbow Surgery</i> , 2010 , 19, 1076-84	4.3	108

95	Effects of tilt and glenosphere eccentricity on baseplate/bone interface forces in a computational model, validated by a mechanical model, of reverse shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2011 , 20, 732-9	4.3	107
94	Revision arthroplasty with use of a reverse shoulder prosthesis-allograft composite. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009 , 91, 119-27	5.6	106
93	Scapular fractures after reverse shoulder arthroplasty: evaluation of risk factors and the reliability of a proposed classification. <i>Journal of Shoulder and Elbow Surgery</i> , 2013 , 22, 1514-21	4.3	100
92	The Reverse Shoulder Prosthesis for Glenohumeral Arthritis Associated with Severe Rotator Cuff Deficiency. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006 , 88, 178-190	5.6	95
91	Retrograde reamed femoral nailing. <i>Journal of Orthopaedic Trauma</i> , 1993 , 7, 293-302	3.1	92
90	Stability of tuberosity reattachment in proximal humeral hemiarthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2002 , 11, 413-20	4.3	91
89	Revision reverse shoulder arthroplasty for glenoid baseplate failure after primary reverse shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2009 , 18, 717-23	4.3	88
88	Results of surgical treatment for unstable distal clavicular fractures. <i>Journal of Shoulder and Elbow Surgery</i> , 2010 , 19, 1049-55	4.3	85
87	Accuracy of patient-specific guided glenoid baseplate positioning for reverse shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2014 , 23, 1563-7	4.3	82
86	Proximal humeral malunion treated with reverse shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2012 , 21, 507-13	4.3	82
85	Biomechanical effects of malposition of tuberosity fragments on the humeral prosthetic reconstruction for four-part proximal humerus fractures. <i>Journal of Shoulder and Elbow Surgery</i> , 2001 , 10, 321-6	4.3	81
84	Reverse shoulder arthroplasty for massive rotator cuff tear: risk factors for poor functional improvement. <i>Journal of Shoulder and Elbow Surgery</i> , 2015 , 24, 1698-706	4.3	78
83	What is the effect of postoperative scapular fracture on outcomes of reverse shoulder arthroplasty?. <i>Journal of Shoulder and Elbow Surgery</i> , 2014 , 23, 782-90	4.3	78
82	Reverse Shoulder Arthroplasty for the Treatment of Rotator Cuff Deficiency: A Concise Follow-up, at a Minimum of 10 Years, of Previous Reports. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017 , 99, 1895-1899	5.6	72
81	Young patients with shoulder chondrolysis following arthroscopic shoulder surgery treated with total shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2008 , 17, 380-8	4.3	72
80	Reverse shoulder arthroplasty components and surgical techniques that restore glenohumeral motion. <i>Journal of Shoulder and Elbow Surgery</i> , 2013 , 22, 179-87	4.3	69
79	The Use of the Reverse Shoulder Prosthesis for the Treatment of Failed Hemiarthroplasty for Proximal Humeral Fracture. <i>Journal of Bone and Joint Surgery - Series A</i> , 2007 , 89, 292-300	5.6	68
78	How reverse shoulder arthroplasty works. <i>Clinical Orthopaedics and Related Research</i> , 2011 , 469, 2440-51.2		67

77	In vitro and finite element analysis of glenoid bone/baseplate interaction in the reverse shoulder design. <i>Journal of Shoulder and Elbow Surgery</i> , 2008 , 17, 509-21	4.3	62
76	Torsional stability of modular and non-modular reverse shoulder humeral components in a proximal humeral bone loss model. <i>Journal of Shoulder and Elbow Surgery</i> , 2011 , 20, 646-51	4.3	58
75	Outcome and value of reverse shoulder arthroplasty for treatment of glenohumeral osteoarthritis: a matched cohort. <i>Journal of Shoulder and Elbow Surgery</i> , 2015 , 24, 1433-41	4.3	55
74	Techniques and principles of tuberosity fixation for proximal humeral fractures treated with hemiarthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2004 , 13, 239-47	4.3	55
73	Kinematic analysis of dynamic shoulder motion in patients with reverse total shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2012 , 21, 1184-90	4.3	51
72	Surgically treated humeral shaft fractures following shoulder arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2013 , 95, 9-18	5.6	51
71	Arc of motion and socket depth in reverse shoulder implants. <i>Clinical Biomechanics</i> , 2009 , 24, 473-9	2.2	50
70	Reverse shoulder arthroplasty in patients younger than 55 years: 2- to 12-year follow-up. <i>Journal of Shoulder and Elbow Surgery</i> , 2017 , 26, 792-797	4.3	49
69	Outcomes and Costs of Reverse Shoulder Arthroplasty in the Morbidly Obese: A Case Control Study. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014 , 96, 1169-1176	5.6	48
68	Results of closed management of acute dislocation after reverse shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2015 , 24, 621-7	4.3	43
67	Is a formal physical therapy program necessary after total shoulder arthroplasty for osteoarthritis?. <i>Journal of Shoulder and Elbow Surgery</i> , 2010 , 19, 570-9	4.3	41
66	Isometric strength, range of motion, and impairment before and after total and reverse shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2013 , 22, 869-76	4.3	40
65	Factors that predict postoperative motion in patients treated with reverse shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2014 , 23, 1289-95	4.3	39
64	Correlation of subjective and objective measures before and after shoulder arthroplasty. <i>Orthopedics</i> , 2013 , 36, 808-14	1.5	39
63	Technique for internal fixation of capitellum and lateral trochlea fractures. <i>Journal of Orthopaedic Trauma</i> , 2006 , 20, 699-704	3.1	37
62	The effects of glenoid wear patterns on patients with osteoarthritis in total shoulder arthroplasty: an assessment of outcomes and value. <i>Journal of Shoulder and Elbow Surgery</i> , 2015 , 24, 682-90	4.3	36
61	Osteoporosis and shoulder osteoarthritis: incidence, risk factors, and surgical implications. <i>Journal of Shoulder and Elbow Surgery</i> , 2013 , 22, e1-8	4.3	34
60	Glenoid subchondral bone density distribution in male total shoulder arthroplasty subjects with eccentric and concentric wear. <i>Journal of Shoulder and Elbow Surgery</i> , 2015 , 24, 416-24	4.3	32

59	Revision for a failed reverse: a 12-year review of a lateralized implant. <i>Journal of Shoulder and Elbow Surgery</i> , 2016 , 25, e115-24	4.3	32
58	Preparing for the bundled-payment initiative: the cost and clinical outcomes of reverse shoulder arthroplasty for the surgical treatment of advanced rotator cuff deficiency at an average 4-year follow-up. <i>Journal of Shoulder and Elbow Surgery</i> , 2013 , 22, 1612-22	4.3	31
57	Morphologic Variability of the Shoulder between the Populations of North American and East Asian. <i>Clinics in Orthopedic Surgery</i> , 2016 , 8, 280-7	2.9	31
56	Results of proximal humeral locked plating with supplemental suture fixation of rotator cuff. <i>Journal of Shoulder and Elbow Surgery</i> , 2011 , 20, 616-24	4.3	30
55	Preparing for the bundled-payment initiative: the cost and clinical outcomes of total shoulder arthroplasty for the surgical treatment of glenohumeral arthritis at an average 4-year follow-up. <i>Journal of Shoulder and Elbow Surgery</i> , 2013 , 22, 1601-11	4.3	28
54	Massive Rotator Cuff Tear: When to Consider Reverse Shoulder Arthroplasty. <i>Current Reviews in Musculoskeletal Medicine</i> , 2018 , 11, 131-140	4.6	27
53	Glenosphere dissociation after reverse shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2015 , 24, 1061-8	4.3	25
52	Tears in the subscapularis tendon: descriptive analysis and results of surgical repair. <i>Joint Bone Spine</i> , 2003 , 70, 342-7	2.9	25
51	Surgical management of periprosthetic shoulder infections. <i>Journal of Shoulder and Elbow Surgery</i> , 2017 , 26, 1222-1229	4.3	24
50	Is there a relationship between preoperative diagnosis and clinical outcomes in reverse shoulder arthroplasty? An experience in 699 shoulders. <i>Journal of Shoulder and Elbow Surgery</i> , 2019 , 28, S110-S117	4.3	24
49	Difficulty in decision making in the treatment of displaced proximal humerus fractures: the effect of uncertainty on surgical outcomes. <i>Journal of Shoulder and Elbow Surgery</i> , 2018 , 27, 470-477	4.3	22
48	Clinical outcomes following reverse shoulder arthroplasty-allograft composite for revision of failed arthroplasty associated with proximal humeral bone deficiency: 2- to 15-year follow-up. <i>Journal of Shoulder and Elbow Surgery</i> , 2019 , 28, 900-907	4.3	21
47	Improving glenoid-side load sharing in a virtual reverse shoulder arthroplasty model. <i>Journal of Shoulder and Elbow Surgery</i> , 2013 , 22, 954-62	4.3	20
46	Bone Graft Augmentation for Severe Glenoid Bone Loss in Primary Reverse Total Shoulder Arthroplasty: Outcomes and Evaluation of Host Bone Contact by 2D-3D Image Registration. <i>JBS Open Access</i> , 2017 , 2, e0015	3.1	19
45	Classification of instability after reverse shoulder arthroplasty guides surgical management and outcomes. <i>Journal of Shoulder and Elbow Surgery</i> , 2018 , 27, e107-e118	4.3	19
44	The risk of postoperative scapular spine fracture following reverse shoulder arthroplasty is increased with an onlay humeral stem. <i>Journal of Shoulder and Elbow Surgery</i> , 2020 , 29, 2556-2563	4.3	16
43	Acute surgical management of proximal humerus fractures: ORIF vs. hemiarthroplasty vs. reverse shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2020 , 29, S32-S40	4.3	15
42	AAOS appropriate use criteria: optimizing the management of full-thickness rotator cuff tears. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , 2013 , 21, 772-5	4.5	14

41	A prospective study comparing tendon-to-bone interface healing using an interposition bioresorbable scaffold with a vented anchor for primary rotator cuff repair in sheep. <i>Journal of Shoulder and Elbow Surgery</i> , 2020 , 29, 157-166	4.3	13
40	A retrospective analysis of plate contouring in the tibia using the conventional 4.5 (narrow) dynamic compression plate. <i>Journal of Orthopaedic Trauma</i> , 1994 , 8, 59-63	3.1	12
39	Massive rotator cuff tears without arthropathy: when to consider reverse shoulder arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2011 , 93, 973-84	5.6	12
38	The influence of patient- and surgeon-specific factors on operative duration and early postoperative outcomes in shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2017 , 26, 1011-1016	4.3	10
37	Morphometry of the human clavicle and intramedullary canal: A 3D, geometry-based quantification. <i>Journal of Orthopaedic Research</i> , 2017 , 35, 2191-2202	3.8	10
36	Cost analysis in shoulder arthroplasty surgery. <i>Advances in Orthopedics</i> , 2012 , 2012, 692869	2.1	9
35	Defining the younger patient: age as a predictive factor for outcomes in shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2020 , 29, S1-S8	4.3	8
34	Total shoulder arthroplasty with minimum 5-year follow-up: does the presence of subchondral cysts in the glenoid increase risk of failure?. <i>Journal of Shoulder and Elbow Surgery</i> , 2018 , 27, 794-800	4.3	6
33	Kinematic impact of size on the existing glenohumeral joint in patients undergoing reverse shoulder arthroplasty. <i>Clinical Biomechanics</i> , 2014 , 29, 622-8	2.2	6
32	Retrograde reamed femoral nailing. <i>Journal of Orthopaedic Trauma</i> , 2014 , 28 Suppl 8, S15-24	3.1	6
31	Elbow Arthroplasty for Distal Humeral Fractures—Technique, Pearls, and Pitfalls. <i>Operative Techniques in Orthopaedics</i> , 2010 , 20, 38-47	0.3	6
30	Triceps Split Technique for Total Elbow Arthroplasty. <i>Techniques in Shoulder and Elbow Surgery</i> , 2002 , 3, 23-27	0.3	6
29	Reverse Shoulder Arthroplasty in the Management of Irreparable Rotator Cuff Tears without Arthritis. <i>JBJSS Essential Surgical Techniques</i> , 2011 , 1, e12	2.3	4
28	Immediate Total Elbow Arthroplasty for Distal Humerus Fractures. <i>Techniques in Orthopaedics</i> , 2006 , 21, 363-373	0.4	4
27	Reverse Total Shoulder Replacement for Arthritis With an Irreparable Rotator Cuff Tear. <i>Techniques in Shoulder and Elbow Surgery</i> , 2003 , 4, 77-83	0.3	4
26	Does the etiology of a failed hemiarthroplasty affect outcomes when revised to a reverse shoulder arthroplasty?. <i>Journal of Shoulder and Elbow Surgery</i> , 2020 , 29, S149-S156	4.3	4
25	In vivo wear of polyethylene glenoid components in total shoulder arthroplasty. <i>E-Polymers</i> , 2005 , 5,	2.7	3
24	A cohort comparison of humeral implant designs in reverse shoulder arthroplasty: does implant design lead to lower rates of complications and revision?. <i>Journal of Shoulder and Elbow Surgery</i> , 2021 , 30, 850-857	4.3	3

23	Optimizing humeral stem fixation in revision reverse shoulder arthroplasty with the cement-within-cement technique. <i>Journal of Shoulder and Elbow Surgery</i> , 2020 , 29, S9-S16	4.3	2
22	Quantitative videographic analysis of intraoperative total shoulder arthroplasty is predictive of radiographic implant loosening. <i>JSES Open Access</i> , 2018 , 2, 18-22	3.2	2
21	Technique for Unstable Two-Part Surgical Neck Proximal Humeral Fractures Utilizing an Intramedullary Staple Device. <i>Techniques in Shoulder and Elbow Surgery</i> , 2003 , 4, 84-88	0.3	2
20	Humeral Bone Loss in Revision Shoulder Arthroplasty. <i>American Journal of Orthopedics</i> , 2018 , 47,		2
19	The effect of glenoid bone loss and rotator cuff status in failed anatomic shoulder arthroplasty after revision to reverse shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2021 , 30, 844-849	4.3	2
18	Improving preoperative planning of revision surgery after previous anatomic total shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2019 , 28, S168-S174	4.3	1
17	Re: Shoulder prostheses treating cuff tear arthropathy: a comparative biomechanical study. <i>Journal of Orthopaedic Research</i> , 2006 , 24, 112; author reply 112-3	3.8	1
16	Relationship Between Insertion Torque and Compression Strength in the Reverse Total Shoulder Arthroplasty Baseplate. <i>Journal of Orthopaedic Research</i> , 2020 , 38, 871-879	3.8	1
15	The subscapularis-sparing windowed anterior technique for total shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2021 , 30, S89-S99	4.3	1
14	Measurement of Resource Utilization for Total and Reverse Shoulder Arthroplasty. <i>American Journal of Orthopedics</i> , 2015 , 44, 446-51		1
13	Do preoperative radiographs help predict intraoperative challenges in revision surgery after previous shoulder hemiarthroplasty?. <i>Journal of Shoulder and Elbow Surgery</i> , 2019 , 28, S161-S167	4.3	0
12	Influence of reverse total shoulder arthroplasty baseplate design on torque and compression relationship. <i>JSES International</i> , 2020 , 4, 388-396	1.2	0
11	DJO Surgical Reverse Shoulder Prosthesis (RSP) 2016 , 343-356		0
10	Rationale, Technique, and Results of the DJO Surgical Reverse Total Shoulder Arthroplasty. <i>Operative Techniques in Orthopaedics</i> , 2011 , 21, 60-68	0.3	0
9	Influence of preoperative factors on timing for bilateral shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2021 , 30, S116-S122	4.3	0
8	Comparing patient-reported outcome measures and physical examination for internal rotation in patients undergoing reverse shoulder arthroplasty: does surgery alter patients' perception of function?. <i>Journal of Shoulder and Elbow Surgery</i> , 2021 , 30, S100-S108	4.3	0
7	Radiographic outcomes of patients undergoing reverse shoulder arthroplasty using inlay versus onlay components: is there really a difference?. <i>Seminars in Arthroplasty</i> , 2021 , 31, 620-628	0.4	0
6	Regarding "Observations on retrieved humeral polyethylene components from reverse total shoulder arthroplasty". <i>Journal of Shoulder and Elbow Surgery</i> , 2011 , 20, e22-3	4.3	

- 5 Challenging the conclusion, "Clinical outcome was essentially not affected by the notch". *Journal of Shoulder and Elbow Surgery*, **2009**, 18, e51-2; author reply e52-3 4-3
- 4 Les lésions du tendon du subscapulaire : Étude descriptive et résultats des réparations chirurgicales. *Revue Du Rhumatisme (Edition Française)*, **2003**, 70, 720-726 0-1
- 3 Hemiarthroplasty for Proximal Humerus Fracture **2011**, 507-523
- 2 Optimizing humeral stem fixation in revision shoulder arthroplasty with the cement-within-cement technique: A biomechanical evaluation. *Seminars in Arthroplasty*, **2020**, 30, 210-216 0-4
- 1 Hemi, Conventional, and Reverse Total Shoulder Arthroplasty for the Treatment of Proximal Humerus Fractures **2018**, 33-52