

# Jason L Koh

## List of Publications by Year in descending order

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Version: 2024-02-01

101  
papers

3,397  
citations

117625

34  
h-index

144013

57  
g-index

103  
all docs

103  
docs citations

103  
times ranked

3319  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficacy of Surgical Preparation Solutions in Shoulder Surgery. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009, 91, 1949-1953.	3.0	259
2	The Effect of Graft Height Mismatch on Contact Pressure following Osteochondral Grafting. <i>American Journal of Sports Medicine</i> , 2004, 32, 317-320.	4.2	202
3	A citric acid-based hydroxyapatite composite for orthopedic implants. <i>Biomaterials</i> , 2006, 27, 5845-5854.	11.4	184
4	Ulnar Collateral Ligament Reconstruction in Elite Throwing Athletes. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2006, 22, 1187-1191.	2.7	145
5	Improving Residency Training in Arthroscopic Knee Surgery with Use of a Virtual-Reality Simulator. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014, 96, 1798-1806.	3.0	141
6	In Vivo Noninvasive Evaluation of Abnormal Patellar Tracking During Squatting in Patients with Patellofemoral Pain. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009, 91, 558-566.	3.0	125
7	The Effect of Angled Osteochondral Grafting on Contact Pressure. <i>American Journal of Sports Medicine</i> , 2006, 34, 116-119.	4.2	101
8	Management of irreparable massive rotator cuff tears: a systematic review and meta-analysis of patient-reported outcomes, reoperation rates, and treatment response. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 2459-2475.	2.6	90
9	In vivo load sharing among the quadriceps components. <i>Journal of Orthopaedic Research</i> , 2003, 21, 565-571.	2.3	86
10	Growth and differentiation factors for cartilage healing and repair. <i>Injury</i> , 2008, 39, 88-96.	1.7	82
11	Bone Density Adjacent to Press-Fit Acetabular Components. <i>Journal of Bone and Joint Surgery - Series A</i> , 2001, 83, 529-536.	3.0	81
12	Stress Injury of the Proximal Ulna in Professional Baseball Players. <i>American Journal of Sports Medicine</i> , 2002, 30, 737-741.	4.2	79
13	Neer Award 2012: Cerebral oxygenation in the beach chair position: a prospective study on the effect of general anesthesia compared with regional anesthesia and sedation. <i>Journal of Shoulder and Elbow Surgery</i> , 2013, 22, 1325-1331.	2.6	78
14	Supplementation of Rotator Cuff Repair with a Bioresorbable Scaffold. <i>American Journal of Sports Medicine</i> , 2002, 30, 410-413.	4.2	75
15	Tibiofemoral Contact Mechanics with Horizontal Cleavage Tear and Resection of the Medial Meniscus in the Human Knee. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, 1829-1836.	3.0	74
16	In vivo and Noninvasive Three-Dimensional Patellar Tracking Induced by Individual Heads of Quadriceps. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, 93-101.	0.4	71
17	Analysis of perioperative complications in patients after total shoulder arthroplasty and reverse total shoulder arthroplasty. <i>Journal of Shoulder and Elbow Surgery</i> , 2014, 23, 1852-1859.	2.6	71
18	AAOS Research Symposium Updates and Consensus: Biologic Treatment of Orthopaedic Injuries. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2016, 24, e62-e78.	2.5	71

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19	Biomechanical evaluation of a rotator cuff defect model augmented with a bioresorbable scaffold in goats. <i>Journal of Shoulder and Elbow Surgery</i> , 2006, 15, 639-644.	2.6	69
20	Comparison of Perioperative Complications and Hospitalization Outcomes After Ankle Arthrodesis Versus Total Ankle Arthroplasty From 2002 to 2011. <i>Foot and Ankle International</i> , 2015, 36, 360-368.	2.3	61
21	Patellar Instability. <i>Clinics in Sports Medicine</i> , 2014, 33, 461-476.	1.8	58
22	Defect type, localization and marker gene expression determines early adverse events of matrix-associated autologous chondrocyte implantation. <i>Injury</i> , 2015, 46, S2-S9.	1.7	58
23	Biomechanical and Histological Evaluation of Osteochondral Transplantation in a Rabbit Model. <i>American Journal of Sports Medicine</i> , 2004, 32, 308-316.	4.2	57
24	Effect of Diabetes Mellitus on Perioperative Complications and Hospital Outcomes After Ankle Arthrodesis and Total Ankle Arthroplasty. <i>Foot and Ankle International</i> , 2015, 36, 258-267.	2.3	55
25	Patellar Instability. <i>Orthopedic Clinics of North America</i> , 2015, 46, 147-157.	1.2	53
26	Obesity is Not Associated with Increased Short-term Complications After Primary Total Shoulder Arthroplasty. <i>Clinical Orthopaedics and Related Research</i> , 2016, 474, 787-795.	1.5	51
27	Defining massive rotator cuff tears: a Delphi consensus study. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 674-680.	2.6	51
28	In vivo patellar tracking induced by individual quadriceps components in individuals with patellofemoral pain. <i>Journal of Biomechanics</i> , 2010, 43, 235-241.	2.1	49
29	ACL Impingement Prediction Based on MRI Scans of Individual Knees. <i>Clinical Orthopaedics and Related Research</i> , 2007, 460, 210-218.	1.5	43
30	Osteoarthritis in Other Joints (Hip, Elbow, Foot, Ankle, Toes, Wrist) after Sports Injuries. <i>Clinics in Sports Medicine</i> , 2005, 24, 57-70.	1.8	42
31	Arthroscopic Distal Clavicle Resection: A Biomechanical Analysis of Resection Length and Joint Compliance in a Cadaveric Model. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2007, 23, 1278-1284.	2.7	42
32	Computer-Assisted Navigation and Anterior Cruciate Ligament Reconstruction: Accuracy and Outcomes. <i>Orthopedics</i> , 2005, 28, s1283-7.	1.1	42
33	Biomechanical analysis of bursal-sided partial thickness rotator cuff tears. <i>Journal of Shoulder and Elbow Surgery</i> , 2009, 18, 379-385.	2.6	40
34	In vivo and Noninvasive Load Sharing among the Vasti in Patellar Malalignment. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, 1768-1775.	0.4	38
35	Effect of ventilation on cerebral oxygenation in patients undergoing surgery in the beach chair position: a randomized controlled trial. <i>British Journal of Anaesthesia</i> , 2014, 113, 618-627.	3.4	37
36	A Review of Surgical and Nonsurgical Outcomes of Medial Knee Injuries. <i>Sports Medicine and Arthroscopy Review</i> , 2015, 23, e15-e22.	2.3	34

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37	Early tissue response to citric acid-based micro- and nanocomposites. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 96A, 29-37.	4.0	33
38	Comparison of perioperative complications after total elbow arthroplasty in patients with and without diabetes. <i>Journal of Shoulder and Elbow Surgery</i> , 2014, 23, 1599-1606.	2.6	30
39	A biodegradable tri-component graft for anterior cruciate ligament reconstruction. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 704-712.	2.7	29
40	Low-Pressure Foaming: A Novel Method for the Fabrication of Porous Scaffolds for Tissue Engineering. <i>Tissue Engineering - Part C: Methods</i> , 2012, 18, 113-121.	2.1	28
41	Anterior cruciate ligament (ACL) tunnel placement: a radiographic comparison between navigated versus manual ACL reconstruction. <i>Orthopedics</i> , 2006, 29, S122-4.	1.1	27
42	Computer-assisted Surgery for Anterior Cruciate Ligament Reconstruction. <i>Sports Medicine and Arthroscopy Review</i> , 2008, 16, 67-76.	2.3	26
43	Tibiofemoral Contact Mechanics With Horizontal Cleavage Tears and Treatment of the Lateral Meniscus in the Human Knee: An In Vitro Cadaver Study. <i>Clinical Orthopaedics and Related Research</i> , 2018, 476, 2262-2270.	1.5	24
44	Long-term in vivo response to citric acid-based nanocomposites for orthopaedic tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 2131-2138.	3.6	23
45	Distinct Proximal Humeral Geometry in Chinese Population and Clinical Relevance. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, 2071-2081.	3.0	22
46	Future perspectives of articular cartilage repair. <i>Injury</i> , 2008, 39, 114-120.	1.7	18
47	Effect of bracing on dynamic patellofemoral contact mechanics. <i>Journal of Rehabilitation Research and Development</i> , 2010, 47, 531.	1.6	16
48	Arthroscopic treatment successfully treats posterior elbow impingement in an athletic population. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 306-311.	4.2	16
49	Biomechanical effects of superior capsular reconstruction in a rotator cuff-deficient shoulder: a cadaveric study. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 1959-1966.	2.6	16
50	Revision Total Knee Arthroplasty Complication Rates in Northern Illinois. <i>Clinical Orthopaedics and Related Research</i> , 2004, 429, 279-285.	1.5	15
51	Multiaxis muscle strength in ACL deficient and reconstructed knees: compensatory mechanism. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, 2-8.	0.4	14
52	Different roles of the medial and lateral hamstrings in unloading the anterior cruciate ligament. <i>Knee</i> , 2016, 23, 97-101.	1.6	14
53	A thermoresponsive, citrate-based macromolecule for bone regenerative engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1743-1752.	4.0	14
54	Coracoid morphology is not associated with subscapularis tears. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 1162-1167.	2.6	12

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55	A Biomechanical Comparison of Patellar Tendon Repair Materials in a Bovine Model. <i>Orthopedics</i> , 2011, 34, e344-8.	1.1	12
56	Groove deepening trochleoplasty reduces lateral patellar maltracking and increases patellofemoral contact pressures: Dynamic simulation. <i>Journal of Orthopaedic Research</i> , 2022, 40, 1529-1537.	2.3	9
57	Number of Recent Inpatient Admissions as a Risk Factor for Increased Complications, Length of Stay, and Cost in Patients Undergoing Posterior Lumbar Fusion. <i>Spine</i> , 2014, 39, 2148-2156.	2.0	8
58	The Future of Computer-assisted Surgery (CAS) in Sports Medicine. <i>Sports Medicine and Arthroscopy Review</i> , 2008, 16, 108-110.	2.3	6
59	Evaluation of Repair of the Hip Labrum under Simulated Full Weight-Bearing. <i>HIP International</i> , 2017, 27, 104-109.	1.7	6
60	National trends in the diagnosis and repair of SLAP lesions in the United States. <i>Journal of Orthopaedic Surgery</i> , 2020, 28, 230949901988855.	1.0	6
61	Biomechanics in an Incomplete Versus Complete Supraspinatus Tear: A Cadaveric Study. <i>Orthopaedic Journal of Sports Medicine</i> , 2020, 8, 232596712096447.	1.7	6
62	Articular Contact Pressures of Meniscal Repair Techniques at Various Knee Flexion Angles. <i>Orthopedics</i> , 2010, 33, 475.	1.1	6
63	Evaluation of the Injured Runner. <i>Clinics in Sports Medicine</i> , 2012, 31, 203-215.	1.8	5
64	Complication rates following hip arthroscopy in the ambulatory surgical center. <i>Journal of Orthopaedics</i> , 2020, 20, 28-31.	1.3	5
65	Nonanatomic and Suture-Based Coracoclavicular Joint Stabilization Techniques Provide Adequate Stability at a Lower Cost of Implants in Biomechanical Studies When Compared With Anatomic Techniques: A Systematic Review and Meta-Analysis. <i>Arthroscopy, Sports Medicine, and Rehabilitation</i> , 2021, 3, e573-e591.	1.7	5
66	In Vivo Three-Dimensional Mechanical Actions of Individual Flexor-Pronator Muscles: Role in Elbow Valgus Stability. <i>Journal of Applied Biomechanics</i> , 2008, 24, 325-332.	0.8	4
67	Computer-assisted Anterior Cruciate Ligament (ACL) Reconstruction. <i>Sports Medicine and Arthroscopy Review</i> , 2014, 22, 206-214.	2.3	4
68	The biomechanics of the supraspinatus-deficient shoulder treated with superior capsular reconstruction vs. reverse total shoulder arthroplasty—experimental study. <i>International Orthopaedics</i> , 2020, 44, 2371-2377.	1.9	4
69	Evaluation of rotator cuff abduction moment arms for superior capsular reconstruction and reverse total shoulder arthroplasty. <i>International Orthopaedics</i> , 2021, 45, 1767-1774.	1.9	4
70	Pyomyositis of the Shoulder Girdle. <i>Orthopedics</i> , 2006, 29, 1030-1032.	1.1	4
71	What do positive and negative Cutibacterium culture results in periprosthetic shoulder infection mean? A multi-institutional control study. <i>Journal of Shoulder and Elbow Surgery</i> , 2022, 31, 1713-1720.	2.6	4
72	Many Radiographic and Magnetic Resonance Imaging Assessments for Surgical Decision Making in Pediatric Patellofemoral Instability Patients Demonstrate Poor Interrater Reliability. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2022, 38, 2702-2713.	2.7	4

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73	Developing a 6-DOF robot to investigate multi-axis ACL injuries under valgus loading coupled with tibia internal rotation. , 2010, 2010, 3942-5.		3
74	Plantar ganglion cyst associated with stress fracture of the third metatarsal. American Journal of Orthopedics, 2003, 32, 35-7.	0.7	3
75	Fulkerson Anteromedialization Osteotomy. Techniques in Knee Surgery, 2009, 8, 104-109.	0.1	2
76	Remplissage“when and how to fill in the defect. Annals of Joint, 2017, 2, 61-61.	1.0	2
77	The Clinical Utility of Additional Axillary and Velpeau Radiographs in the Evaluation of Suspected Shoulder Trauma. Journal of Orthopaedic Trauma, 2020, 34, e261-e265.	1.4	2
78	Mechanical actions of individual muscles at the human elbow joint and their roles in protecting/unloading the ulnar collateral ligament. , 2004, 2004, 4704-5.		1
79	Precision of Tunnel Execution in Navigated Anterior Cruciate Ligament Reconstruction. Operative Techniques in Orthopaedics, 2008, 18, 158-165.	0.1	1
80	Scaffold-Based Autologous Chondrocyte Transplantation. Techniques in Knee Surgery, 2009, 8, 37-41.	0.1	1
81	Anatomic Muscular Deficits Persist in the Medial Hamstrings Nine to Eleven Years Following Harvest, but the Clinical Consequences Remain Unclear. Journal of Bone and Joint Surgery - Series A, 2012, 94, e108.	3.0	1
82	Arthroscopic Treatment of Hip Pain. Disease-a-Month, 2012, 58, 543-549.	1.1	1
83	Not just another ACL paper: the importance of “Outcomes of single bundle arthroscopic anterior crucial ligament reconstruction in a limited resource setting”™. Journal of ISAKOS, 2021, 6, 185-186.	2.3	1
84	Variability of specimen handling, processing, culturing, and reporting for suspected shoulder periprosthetic joint infections during revision arthroplasty. Seminars in Arthroplasty, 2020, 30, 174-180.	0.7	1
85	Principles of Prevention and Rehabilitation for the Patellofemoral Joint. , 2022, , 45-55.		1
86	A Biomechanical Analysis of Shoulder Muscle Excursions During Abduction, After the Treatment of Massive Irreparable Rotator Cuff Tears Using Superior Capsular Reconstruction (SCR), Bursal Acromial Reconstruction (BAR), and SCR with BAR. Journal of Shoulder and Elbow Arthroplasty, 2022, 6, 247154922211090.	0.8	1
87	Erratum to “œA citric acid-based hydroxyapatite composite for orthopedic implants“: Biomaterials, 2007, 28, 2068.	11.4	0
88	Editorial Comments. Sports Medicine and Arthroscopy Review, 2008, 16, 61.	2.3	0
89	Retropatellar Accessory Portals for Improved Access to the Patella. Orthopaedic Journal of Sports Medicine, 2016, 4, 232596711667244.	1.7	0
90	Computer-Assisted Navigation for Anterior Cruciate Ligament Reconstruction. , 2018, , 224-228.e1.		0

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91	Editorial Commentary: “A Rush of Blood From the Head” Predicting and Preventing Cerebral Deoxygenation During Beach-Chair Shoulder Surgery. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2019, 35, 731-733.	2.7	0
92	Not All SLAPs Are Created Equal: A Comparison of Patients with Planned and Incidental SLAP Repair Procedures. Advances in Orthopedics, 2019, 2019, 1-6.	1.0	0
93	Trans-coracoacromial Ligament Glenohumeral Injection With Arthroscopic Confirmation. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2020, 36, 1535-1541.	2.7	0
94	CORR Insights®: Does Margin Convergence Reverse Pseudoparalysis in Patients with Irreparable Rotator Cuff Tears?. Clinical Orthopaedics and Related Research, 2021, 479, 1282-1284.	1.5	0
95	CORR Insights®: Radiographic Severity May Not be Associated with Pain and Function in Glenohumeral Arthritis. Clinical Orthopaedics and Related Research, 2021, Publish Ahead of Print, .	1.5	0
96	Arthroscopic Microfracture and Chondroplasty. , 2011, , 188-194.		0
97	Biologic and Regenerative Medicine: The Balance Between Promise and Proven. , 2020, , 71-72.		0
98	Consequences of Progressive Full-Thickness Focal Chondral Defects Involving the Medial and Lateral Femoral Condyles After Meniscectomy: A Biomechanical Study Using a Goat Model. Orthopaedic Journal of Sports Medicine, 2022, 10, 232596712210785.	1.7	0
99	Chronic Patella Tendon Tear in a 24-Year-Old Man: Revision Procedure. , 2022, , 229-234.		0
100	Patellofemoral Case Study: Patella Instability, High TT-TG, Patella Alta + Trochlear Dysplasia in a Skeletally Mature Female. , 2022, , 117-123.		0
101	Infraspinatus Muscle Fiber Moment Arms During Abduction: A Biomechanical Comparison of Values for Intact Rotator Cuff, Supraspinatus Tear, Superior Capsular Reconstruction, and Reverse Total Shoulder Arthroplasty. Orthopaedic Journal of Sports Medicine, 2022, 10, 232596712210983.	1.7	0