

Ming Han Lincoln Liow

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

1,829
citations

279798

23
h-index

330143

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105
docs citations

105
times ranked

1542
citing authors

#	ARTICLE	IF	CITATIONS
1	Robot-Assisted Total Knee Arthroplasty Accurately Restores the Joint Line and Mechanical Axis. A Prospective Randomised Study. <i>Journal of Arthroplasty</i> , 2014, 29, 2373-2377.	3.1	179
2	Robotic-assisted total knee arthroplasty may lead to improvement in quality-of-life measures: a 2-year follow-up of a prospective randomized trial. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 2942-2951.	4.2	140
3	Early experiences with robot-assisted total knee arthroplasty using the DigiMatch [®] , [®] ROBODOC [®] surgical system. <i>Singapore Medical Journal</i> , 2014, 55, 529-534.	0.6	59
4	THINK surgical TSolution-One [®] (Robodoc) total knee arthroplasty. <i>Sicot-j</i> , 2017, 3, 63.	1.8	59
5	Patient-Reported Outcomes, Quality of Life, and Satisfaction Rates in Young Patients Aged 50 Years or Younger After Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2017, 32, 419-425.	3.1	57
6	Critical Shoulder Angle and Acromial Index Do Not Influence 24-Month Functional Outcome After Arthroscopic Rotator Cuff Repair. <i>American Journal of Sports Medicine</i> , 2017, 45, 2989-2994.	4.2	51
7	Accelerometer-Based Navigation Is as Accurate as Optical Computer Navigation in Restoring the Joint Line and Mechanical Axis After Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2016, 31, 92-97.	3.1	50
8	Obesity and the absence of trochlear dysplasia increase the risk of revision in patellofemoral arthroplasty. <i>Knee</i> , 2016, 23, 331-337.	1.6	49
9	Ease of intubation with the GlideScope or Airway Scope by novice operators in simulated easy and difficult airways – a manikin study*. <i>Anaesthesia</i> , 2009, 64, 187-190.	3.8	46
10	Multiple Hip Intra-Articular Steroid Injections Increase Risk of Periprosthetic Joint Infection Compared With Single Injections. <i>Journal of Arthroplasty</i> , 2017, 32, 1980-1983.	3.1	44
11	Metal-on-metal total hip arthroplasty: risk factors for pseudotumours and clinical systematic evaluation. <i>International Orthopaedics</i> , 2017, 41, 885-892.	1.9	44
12	Accelerometer-Based and Computer-Assisted Navigation in Total Knee Arthroplasty: A Reduction in Mechanical Axis Outliers Does Not Lead to Improvement in Functional Outcomes or Quality of Life When Compared to Conventional Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2018, 33, 379-385.	3.1	40
13	Bi-Condylar Cruciate Retaining Total Knee Arthroplasty Does Not Restore Native Tibiofemoral Articular Contact Kinematics During Gait. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1929-1937.	2.3	38
14	Are Oxford Hip Score and Western Ontario and McMaster Universities Osteoarthritis Index Useful Predictors of Clinical Meaningful Improvement and Satisfaction After Total Hip Arthroplasty?. <i>Journal of Arthroplasty</i> , 2020, 35, 2458-2464.	3.1	38
15	Computer-assisted stereotaxic navigation improves the accuracy of mechanical alignment and component positioning in total knee arthroplasty. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2016, 136, 1173-1180.	2.4	33
16	Metal Ion Levels Are Not Correlated With Histopathology of Adverse Local Tissue Reactions in Taper Corrosion of Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2016, 31, 1797-1802.	3.1	33
17	Early Outcomes of Revision Surgery for Taper Corrosion of Dual Taper Total Hip Arthroplasty in 187 Patients. <i>Journal of Arthroplasty</i> , 2016, 31, 1549-1554.	3.1	29
18	Preoperative Risk Factors Associated With Poor Outcomes of Revision Surgery for Pseudotumors in Patients With Metal-on-Metal Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2016, 31, 2835-2842.	3.1	29

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19	Sensitivity and Specificity of Metal Ion Levels in Predicting "Pseudotumors" due to Taper Corrosion in Patients With Dual Taper Modular Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2017, 32, 996-1000.	3.1	29
20	Asymptomatic Pseudotumors in Patients with Taper Corrosion of a Dual-Taper Modular Femoral Stem. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, 1735-1740.	3.0	27
21	Four-Year Follow Up Outcome Study of Patellofemoral Arthroplasty at a Single Institution. <i>Journal of Arthroplasty</i> , 2015, 30, 959-963.	3.1	25
22	What Is the Natural History of "Asymptomatic" Pseudotumours in Metal-on-Metal Hip Arthroplasty? Minimum 4-Year Metal Artifact Reduction Sequence Magnetic Resonance Imaging Longitudinal Study. <i>Journal of Arthroplasty</i> , 2016, 31, 121-126.	3.1	25
23	Utility of Serum Inflammatory and Synovial Fluid Counts in the Diagnosis of Infection in Taper Corrosion of Dual Taper Modular Stems. <i>Journal of Arthroplasty</i> , 2016, 31, 1997-2003.	3.1	24
24	Does 3-Dimensional In Vivo Component Rotation Affect Clinical Outcomes in Unicompartmental Knee Arthroplasty?. <i>Journal of Arthroplasty</i> , 2016, 31, 2167-2172.	3.1	22
25	Patients With Poor Baseline Mental Health Undergoing Unicompartmental Knee Arthroplasty Have Poorer Outcomes. <i>Journal of Arthroplasty</i> , 2018, 33, 2428-2434.	3.1	22
26	Preoperative Mental Health Influences Patient-Reported Outcome Measures and Satisfaction After Revision Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2021, 36, 2878-2886.	3.1	22
27	Poorer Fusion Outcomes in Diabetic Cervical Spondylotic Myelopathy Patients Undergoing Single-level Anterior Cervical Discectomy and Fusion Does Not Compromise Functional Outcomes and Quality of Life. <i>Spine</i> , 2018, 43, 477-483.	2.0	20
28	Modern TKA implants are equivalent to traditional TKA implants in functional and patellofemoral joint-related outcomes. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 1116-1123.	4.2	20
29	Early Postoperative Pain After Total Knee Arthroplasty Is Associated With Subsequent Poorer Functional Outcomes and Lower Satisfaction. <i>Journal of Arthroplasty</i> , 2021, 36, 2466-2472.	3.1	20
30	Retrieval evidence of impingement at the third articulation in contemporary dual mobility cups for total hip arthroplasty. <i>International Orthopaedics</i> , 2017, 41, 2495-2501.	1.9	18
31	In vivo elongation of anterior and posterior cruciate ligament in bi-cruciate retaining total knee arthroplasty. <i>Journal of Orthopaedic Research</i> , 2018, 36, 3239-3246.	2.3	18
32	Do Patients With Psychological Distress Have Poorer Patient-Reported Outcomes After Total Hip Arthroplasty?. <i>Journal of Arthroplasty</i> , 2020, 35, 2465-2471.	3.1	18
33	Poor Baseline Mental Health Does Not Influence Improvement in Patient-reported Outcomes, Satisfaction, and Return to Work Two Years After Single-level Anterior Cervical Discectomy and Fusion. <i>Spine</i> , 2019, 44, 839-847.	2.0	17
34	Elderly Patients Undergoing Minimally Invasive Transforaminal Lumbar Interbody Fusion May Have Similar Clinical Outcomes, Perioperative Complications, and Fusion Rates As Their Younger Counterparts. <i>Clinical Orthopaedics and Related Research</i> , 2020, 478, 822-832.	1.5	17
35	Should patients aged 75 years or older undergo medial unicompartmental knee arthroplasty? A propensity score-matched study. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2020, 140, 949-956.	2.4	16
36	Is Ultrasound As Useful As Metal Artifact Reduction Sequence Magnetic Resonance Imaging in Longitudinal Surveillance of Metal-on-Metal Hip Arthroplasty Patients?. <i>Journal of Arthroplasty</i> , 2016, 31, 1821-1827.	3.1	14

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37	Severity of Preoperative Myelopathy Symptoms Affects Patient-reported Outcomes, Satisfaction, and Return to Work After Anterior Cervical Discectomy and Fusion for Degenerative Cervical Myelopathy. <i>Spine</i> , 2020, 45, 649-656.	2.0	14
38	Long-Term Functional Outcomes and Quality of Life at Minimum 10-Year Follow-Up After Fixed-Bearing Unicompartmental Knee Arthroplasty and Total Knee Arthroplasty for Isolated Medial Compartment Osteoarthritis. <i>Journal of Arthroplasty</i> , 2021, 36, 1269-1276.	3.1	14
39	The long-term impact of preoperative psychological distress on functional outcomes, quality of life, and patient satisfaction after total knee arthroplasty. <i>Bone and Joint Journal</i> , 2020, 102-B, 845-851.	4.4	13
40	Three-Dimensional Imaging Analysis of Unicompartmental Knee Arthroplasty Evaluated in Standing Position: Component Alignment and In Vivo Articular Contact. <i>Journal of Arthroplasty</i> , 2016, 31, 1096-1101.	3.1	12
41	Novel anatomical reconstruction of distal tibiofibular ligaments restores syndesmotic biomechanics. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 1866-1872.	4.2	12
42	Unsuspected Malignancies in Routine Femoral Head Histopathologic Examination During Primary Total Hip Arthroplasty: Cost-Effectiveness Analysis. <i>Journal of Arthroplasty</i> , 2017, 32, 735-742.	3.1	12
43	The Influence of Body Mass Index on Functional Outcomes, Satisfaction, and Return to Work After Single-level Minimally-invasive Transforaminal Lumbar Interbody Fusion. <i>Spine</i> , 2019, 44, 809-817.	2.0	12
44	Higher Body Mass Index Is Associated With Biochemical Changes in Knee Articular Cartilage After Marathon Running: A Quantitative T2-Relaxation MRI Study. <i>Orthopaedic Journal of Sports Medicine</i> , 2020, 8, 232596712094387.	1.7	12
45	Similar postoperative outcomes after total knee arthroplasty with measured resection and gap balancing techniques using a contemporary knee system: a randomized controlled trial. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 3178-3185.	4.2	12
46	Are Patient-Reported Outcomes of Minimally Invasive Transforaminal Lumbar Interbody Fusion Influenced by Preoperative Mental Health?. <i>Global Spine Journal</i> , 2021, 11, 500-508.	2.3	12
47	Artificial intelligence in arthroplasty. <i>Arthroplasty</i> , 2021, 3, 37.	2.2	12
48	Retrieval analysis of metal and ceramic femoral heads on a single CoCr stem design. <i>Bone and Joint Research</i> , 2017, 6, 345-350.	3.6	11
49	Body mass index changes after unicompartmental knee arthroplasty do not adversely influence patient outcomes. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 1691-1697.	4.2	11
50	Sagittally Balanced Degenerative Spondylolisthesis Patients With Increased Sacral Slope and Greater Lumbar Lordosis Experience Less Back Pain After Short-Segment Lumbar Fusion Surgery. <i>Clinical Spine Surgery</i> , 2020, 33, 1.	1.3	11
51	Can Octogenarians Undergoing Total Knee Arthroplasty Experience Similar Functional Outcomes, Quality of Life, and Satisfaction Rates as Their Younger Counterparts? A Propensity Score Matched Analysis of 1188 Patients. <i>Journal of Arthroplasty</i> , 2020, 35, 1833-1839.	3.1	11
52	Ensuring Business Continuity of Musculoskeletal Care During the COVID-19 Pandemic. <i>JBJS Open Access</i> , 2020, 5, e0050-e0050.	1.5	10
53	Coronal Alignment of Fixed-Bearing Unicompartmental Knee Arthroplasty Femoral Component May Affect Long-Term Clinical Outcomes. <i>Journal of Arthroplasty</i> , 2021, 36, 478-487.	3.1	10
54	Patients With Parkinson's Disease Have Poorer Function and More Flexion Contractures After Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2021, 36, 2325-2330.	3.1	10

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55	Assessment of accuracy and precision of 3D reconstruction of unicompartmental knee arthroplasty in upright position using biplanar radiography. <i>Medical Engineering and Physics</i> , 2016, 38, 633-638.	1.7	9
56	“Top-Out” Removal of Well-Fixed Dual-Taper Femoral Stems: Surgical Technique and Radiographic Risk Factors. <i>Journal of Arthroplasty</i> , 2016, 31, 2843-2849.	3.1	9
57	Patients With Poor Baseline Mental Health May Experience Significant Improvements in Pain and Disability After Minimally Invasive Transforaminal Lumbar Interbody Fusion. <i>Clinical Spine Surgery</i> , 2020, 33, 205-214.	1.3	9
58	Higher Charlson Comorbidity Index Increases 90-Day Readmission Rate with Poorer Functional Outcomes in Surgically Treated Hip Fracture Patients. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2021, 12, 215145932110362.	1.4	9
59	The effect of tibial and femoral component coronal alignment on clinical outcomes and survivorship in unicompartmental knee arthroplasty. <i>Bone and Joint Journal</i> , 2021, 103-B, 338-346.	4.4	9
60	The patient acceptable symptom state for the knee society score, oxford knee score and short form-36 following unicompartmental knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2023, 31, 1113-1122.	4.2	9
61	Defining the minimal clinically important difference for the knee society score following revision total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 2744-2752.	4.2	9
62	The oxford knee score minimal clinically important difference for revision total knee arthroplasty. <i>Knee</i> , 2021, 32, 211-217.	1.6	9
63	From “business continuity” to “back to business” for orthopaedic surgeons during the COVID-19 pandemic. <i>Bone & Joint Open</i> , 2020, 1, 222-228.	2.6	9
64	Time Taken to Return to Work Does Not Influence Outcomes of Minimally Invasive Transforaminal Lumbar Interbody Fusion. <i>Spine</i> , 2019, 44, 503-509.	2.0	8
65	Improvements in functional outcome and quality of life are not sustainable for patients 68 years old 10 years after total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 3330-3336.	4.2	8
66	Debridement, Antibiotics, and Implant Retention in Periprosthetic Joint Infection: What Predicts Success or Failure?. <i>Journal of Arthroplasty</i> , 2021, 36, 3562-3569.	3.1	8
67	The effect of gender in hallux valgus surgery. A propensity score matched study. <i>Foot and Ankle Surgery</i> , 2019, 25, 670-673.	1.7	7
68	Development and internal validation of machine learning algorithms to predict patient satisfaction after total hip arthroplasty. <i>Arthroplasty</i> , 2021, 3, 33.	2.2	7
69	Personal protective equipment training for non-healthcare workers in the Covid-19 pandemic: Effectiveness of an evidence-based skills training framework. <i>Infection, Disease and Health</i> , 2022, 27, 38-48.	1.1	7
70	In Vivo Characteristics of Nondegenerated Adjacent Segment Intervertebral Foramina in Patients With Degenerative Disc Disease During Flexion-Extension. <i>Spine</i> , 2017, 42, 359-365.	2.0	6
71	Mid-term functional outcomes of patient-specific versus conventional instrumentation total knee arthroplasty: a prospective study. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2021, 141, 669-674.	2.4	6
72	No difference in long-term outcomes between men and women undergoing medial fixed-bearing cemented unicompartmental knee arthroplasty: A retrospective cohort study with minimum 10-year follow up. <i>Knee</i> , 2021, 30, 26-34.	1.6	6

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73	Predictors of Outcomes After Single-level Anterior Cervical Discectomy and Fusion for Cervical Spondylotic Myelopathy. <i>Clinical Spine Surgery</i> , 2020, 33, E525-E532.	1.3	6
74	Ten year outcomes for the prospective randomised trial comparing unlinked, modular bicompartamental knee arthroplasty and total knee arthroplasty. <i>Knee</i> , 2020, 27, 1914-1922.	1.6	5
75	Ten-Year Results of Unicompartmental Knee Arthroplasty in Patients With Psychological Distress. <i>Journal of Arthroplasty</i> , 2020, 35, 2830-2836.e1.	3.1	5
76	Posterior condylar offset and posterior tibial slope targets to optimize knee flexion after unicompartmental knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 822-831.	4.2	5
77	Perioperative Factors Influencing Postoperative Satisfaction After Lateral Access Surgery for Degenerative Lumbar Spondylolisthesis. <i>International Journal of Spine Surgery</i> , 2019, 13, 415-422.	1.5	5
78	Is constraint implant with metaphyseal sleeve a viable option for revision TKR with preoperative coronal plane instability and bone defect?. <i>Journal of Orthopaedic Surgery</i> , 2020, 28, 230949902092631.	1.0	4
79	Preoperative Flexion Contracture Does Not Compromise the Outcomes and Survivorship of Medial Fixed Bearing Unicompartmental Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2021, 36, 3406-3412.	3.1	4
80	Early postoperative straight leg raise is associated with shorter length of stay after unilateral total knee arthroplasty. <i>Journal of Orthopaedic Surgery</i> , 2021, 29, 230949902110022.	1.0	4
81	Revision total hip arthroplasty is associated with poorer clinically meaningful improvements and patient satisfaction compared to primary total hip arthroplasty. <i>Journal of Orthopaedics</i> , 2021, 28, 96-100.	1.3	4
82	Outcome following Total Knee Arthroplasty in Obese versus Non-Obese Asian Patients. <i>Journal of Orthopaedic Surgery</i> , 2015, 23, 294-297.	1.0	3
83	Does obesity lead to lower rates of clinically meaningful improvement or satisfaction after total hip arthroplasty? A propensity score-matched study. <i>HIP International</i> , 2020, , 112070002097465.	1.7	3
84	More Anterior in vivo Contact Position in Patients With Fixed-Bearing Unicompartmental Knee Arthroplasty During Daily Activities Than in vitro Wear Simulator. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 666435.	4.1	3
85	Change in Body Mass Index after Simultaneous Bilateral Total Knee Arthroplasty: Risk Factors and Its Influence on Functional Outcomes. <i>Journal of Arthroplasty</i> , 2021, 36, 1974-1979.	3.1	3
86	A Weighted Scoring System Based on Preoperative and Long-Term Patient-Reported Outcome Measures to Guide Timing of Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2021, 36, 3894-3900.	3.1	3
87	Unicompartmental knee arthroplasty in patients with Parkinson's disease. <i>Knee</i> , 2020, 27, 1325-1331.	1.6	3
88	Aseptic revision total knee arthroplasty outcomes were equivalent to patients' own pre-failure state but inferior to patients without revision. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2023, 31, 822-829.	4.2	3
89	Medical Support for Aircraft Disaster Search and Recovery Operations at Sea: the RSN Experience. <i>Prehospital and Disaster Medicine</i> , 2016, 31, 294-299.	1.3	2
90	Reduction in foraminal height after lateral access surgery does not affect quality of life: A 2-year outcome study on lateral lumbar interbody fusion. <i>Journal of Orthopaedic Surgery</i> , 2019, 27, 230949901982933.	1.0	2

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91	Post-operative non-steroidal anti-inflammatory drugs do not affect clinical outcomes of rotator cuff repair. <i>Journal of Orthopaedics</i> , 2020, 17, 113-115.	1.3	2
92	Total knee arthroplasty in the next decade: is navigation necessary?. <i>Annals of Translational Medicine</i> , 2020, 8, 665-665.	1.7	2
93	Smoking Is Associated With Lower Satisfaction in Nondiabetic Patients Undergoing Minimally Invasive Single-level Transforaminal Lumbar Interbody Fusion. <i>Clinical Spine Surgery</i> , 2021, Publish Ahead of Print, .	1.3	2
94	From "business continuity" to "back to business" for orthopaedic surgeons during the COVID-19 pandemic. <i>Bone & Joint Open</i> , 2020, 1, 222-228.	2.6	2
95	Women Do Not Have Poorer Outcomes After Minimally Invasive Lumbar Fusion Surgery: A Five-Year Follow-Up Study. <i>International Journal of Spine Surgery</i> , 2020, 14, 756-761.	1.5	2
96	Total Knee Arthroplasty Technique: TSolution One (Robodoc). , 2019, , 195-201.		1
97	P146. Smoking is associated with poorer fusion, functional outcomes and lower satisfaction in non-diabetic patients undergoing single-level transforaminal lumbar interbody fusion. <i>Spine Journal</i> , 2019, 19, S225-S226.	1.3	1
98	Complications of Modular Neck-Stems. , 2017, , 161-171.		1
99	Leveraging electronic medical records for passive disease surveillance in a COVID-19 care facility. <i>Singapore Medical Journal</i> , 2022, , .	0.6	1
100	In Vivo Characteristics of Asymptomatic Adjacent Intervertebral Foramina in Patients with Degenerative Disc Disease during Flexion-Extension. <i>Spine Journal</i> , 2016, 16, S382.	1.3	0
101	No differences in 10-year clinical outcomes and quality of life between patients with different mediolateral femoral component positions in fixed-bearing medial unicompartmental knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 3176-3183.	4.2	0
102	Women Do Not Have Poorer Outcomes After Minimally Invasive Lumbar Fusion Surgery: A Five-Year Follow-Up Study. <i>International Journal of Spine Surgery</i> , 2020, 14, 756-761.	1.5	0
103	All-polyethylene unicompartmental knee arthroplasty is associated with increased risks of poorer knee society knee score and lower satisfaction in obese patients. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2022, , 1.	2.4	0
104	Poorer Preoperative Function Leads to Delayed Return to Work After Anterior Cervical Discectomy and Fusion for Degenerative Cervical Myelopathy. <i>International Journal of Spine Surgery</i> , 2021, 15, 1184-1191.	1.5	0