Assem A Sultan

List of Publications by Year in descending order

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		236925	289244
130	2,347	25	40
papers	citations	h-index	g-index
133	133	133	2139
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Patient Satisfaction Outcomes after Robotic Arm-Assisted Total Knee Arthroplasty: A Short-Term Evaluation. Journal of Knee Surgery, 2017, 30, 849-853.	1.6	124
2	The Learning Curve Associated with Robotic Total Knee Arthroplasty. Journal of Knee Surgery, 2018, 31, 017-021.	1.6	117
3	Hip Osteoarthritis: A Primer. , 2018, 22, 17-084.		113
4	The Association Between Operative Time and Short-Term Complications in Total Hip Arthroplasty: An Analysis of 89,802 Surgeries. Journal of Arthroplasty, 2019, 34, 426-432.	3.1	111
5	Robotic Arm–Assisted Total Knee Arthroplasty. Journal of Arthroplasty, 2018, 33, 2002-2006.	3.1	87
6	The Impact of Spino-Pelvic Alignment on Total Hip Arthroplasty Outcomes: A Critical Analysis of Current Evidence. Journal of Arthroplasty, 2018, 33, 1606-1616.	3.1	87
7	A Comparison of Relative Value Units in Primary Versus Revision Total Knee Arthroplasty. Journal of Arthroplasty, 2018, 33, S39-S42.	3.1	76
8	Classification systems of hip osteonecrosis: an updated review. International Orthopaedics, 2019, 43, 1089-1095.	1.9	73
9	Coronal Correction for Severe Deformity Using Robotic-Assisted Total Knee Arthroplasty. Journal of Knee Surgery, 2018, 31, 002-005.	1.6	67
10	Utilization of robotic-arm assisted total knee arthroplasty for soft tissue protection. Expert Review of Medical Devices, 2017, 14, 925-927.	2.8	50
11	The Role of Virtual Rehabilitation in Total and Unicompartmental Knee Arthroplasty. Journal of Knee Surgery, 2019, 32, 105-110.	1.6	47
12	Metaphyseal Fixation Using Highly Porous Cones in Revision Total Knee Arthroplasty: Minimum Two Year Follow Up Study. Journal of Arthroplasty, 2019, 34, 2439-2443.	3.1	45
13	Does the Robotic Arm and Preoperative CT Planning Help with 3D Intraoperative Total Knee Arthroplasty Planning?. Journal of Knee Surgery, 2019, 32, 742-749.	1.6	45
14	Modern Dual-Mobility Cups in Revision Total Hip Arthroplasty: A Systematic Review and Meta-Analysis. Journal of Arthroplasty, 2018, 33, 3793-3800.	3.1	42
15	Utilization of Telemedicine Virtual Visits in Pediatric Spinal Deformity Patients: A Comparison of Feasibility and Patient Satisfaction at a Large Academic Center. Journal of Pediatric Orthopaedics, 2020, 40, e712-e715.	1.2	41
16	The role of prehabilitation with a telerehabilitation system prior to total knee arthroplasty. Annals of Translational Medicine, 2019, 7, 68-68.	1.7	34
17	How Fast Should a Total Knee Arthroplasty Be Performed? An Analysis of 140,199 Surgeries. Journal of Arthroplasty, 2018, 33, 2616-2622.	3.1	33
18	Mid-Term Outcomes of Dual Mobility Acetabular Cups for Revision Total Hip Arthroplasty. Journal of Arthroplasty, 2018, 33, 1494-1500.	3.1	31

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19	What provides a better value for your time? The use of relative value units to compare posterior segmental instrumentation of vertebral segments. Spine Journal, 2018, 18, 1727-1732.	1.3	30
20	The use of non-vascularized bone grafts to treat osteonecrosis of the femoral head: indications, techniques, and outcomes. International Orthopaedics, 2019, 43, 1315-1320.	1.9	30
21	Medical Malpractice Litigation Following Primary Total Joint Arthroplasty: A Comprehensive, Nationwide Analysis of the Past Decade. Journal of Arthroplasty, 2019, 34, S102-S107.	3.1	30
22	Positive Alpha-defensin at Reimplantation of a Two-stage Revision Arthroplasty Is Not Associated with Infection at 1 Year. Clinical Orthopaedics and Related Research, 2019, 477, 1615-1621.	1.5	30
23	The Association Between Readmission and Patient Experience in a Total Hip Arthroplasty Population. Journal of Arthroplasty, 2018, 33, 1668-1674.	3.1	29
24	Mobile technology and telemedicine for shoulder range of motion: validation of a motion-based machine-learning software development kit. Journal of Shoulder and Elbow Surgery, 2018, 27, 1198-1204.	2.6	29
25	Emergency Department Visits Within Thirty Days of Discharge After Primary Total Hip Arthroplasty: A Hidden Quality Measure. Journal of Arthroplasty, 2019, 34, 20-26.	3.1	29
26	Cementless 3D Printed Highly Porous Titanium-Coated Baseplate Total Knee Arthroplasty: Survivorship and Outcomes at 2-Year Minimum Follow-Up. Journal of Knee Surgery, 2020, 33, 279-283.	1.6	28
27	Patient-Recorded Physician Ratings: What Can We Learn From 11,527 Online Reviews of Orthopedic Surgeons?. Journal of Arthroplasty, 2020, 35, S364-S367.	3.1	28
28	Impact factors of orthopaedic journals between 2010 and 2016: trends and comparisons with other surgical specialties. Annals of Translational Medicine, 2018, 6, 114-114.	1.7	27
29	Robotic-Arm Assisted Total Knee Arthroplasty More Accurately Restored the Posterior Condylar Offset Ratio and the Insall-Salvati Index Compared to the Manual Technique; A Cohort-Matched Study. Surgical Technology International, 2019, 34, 409-413.	0.2	27
30	Patients with a History of Treated Septic Arthritis are at High Risk of Periprosthetic Joint Infection after Total Joint Arthroplasty. Clinical Orthopaedics and Related Research, 2019, 477, 1605-1612.	1.5	24
31	Survivorship and Functional Outcomes of Cementless versus Cemented Total Knee Arthroplasty: A Meta-Analysis. Journal of Knee Surgery, 2020, 33, 270-278.	1.6	24
32	Not all primary total hip arthroplasties are equal—so is there a difference in reimbursement?. Annals of Translational Medicine, 2019, 7, 74-74.	1.7	24
33	Evidence-Based Management of Trunnionosis in Metal-on-Polyethylene Total Hip Arthroplasty: A Systematic Review. Journal of Arthroplasty, 2018, 33, 3343-3353.	3.1	23
34	Racial Disparities in Revision Total Knee Arthroplasty: Analysis of 125,901 Patients in National US Private Payer Database. Journal of Racial and Ethnic Health Disparities, 2019, 6, 101-109.	3.2	23
35	Arthroscopic irrigation and debridement is associated with favourable short-term outcomes vs. open management: an ACS-NSQIP database analysis. Knee Surgery, Sports Traumatology, Arthroscopy, 2019, 27, 3304-3310.	4.2	23
36	The Röttinger approach for total hip arthroplasty: technique, comparison to the direct lateral approach and review of literature. Annals of Translational Medicine, 2017, 5, S31-S31.	1.7	22

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37	Gap-Balancing versus Measured Resection Technique in Total Knee Arthroplasty: A Comparison Study. Journal of Knee Surgery, 2018, 31, 013-016.	1.6	22
38	The effect of body mass index on 30-day complications after total hip arthroplasty. HIP International, 2020, 30, 125-134.	1.7	21
39	Cementless Total Knee Arthroplasty: A Comprehensive Review of the Literature. Orthopedics, 2018, 41, 263-273.	1.1	21
40	Predictors of Extended Length of Hospital Stay in Adolescent Idiopathic Scoliosis Patients Undergoing Posterior Segmental Instrumented Fusion. Spine, 2019, 44, 715-722.	2.0	20
41	Liposomal Bupivacaine Is Both Safe and Effective in Controlling Postoperative Pain After Spinal Surgery in Children. Clinical Spine Surgery, 2020, 33, E533-E538.	1.3	17
42	Routine use of commercial antibiotic-loaded bone cement in primary total joint arthroplasty: a critical analysis of the current evidence. Annals of Translational Medicine, 2019, 7, 73-73.	1.7	17
43	Value proposition of robotic total knee arthroplasty: what can robotic technology deliver in 2018 and beyond?. Expert Review of Medical Devices, 2018, 15, 619-630.	2.8	16
44	Associations between seasonal variation and post-operative complications after total hip arthroplasty. Annals of Translational Medicine, 2017, 5, S33-S33.	1.7	16
45	Current Concepts in Osteoarthritis of the Ankle: Review. Surgical Technology International, 2019, 35, 280-294.	0.2	16
46	Cementless Total Knee Arthroplasty in Knee Osteonecrosis Demonstrated Excellent Survivorship and Outcomes at Three-Year Minimum Follow-Up. Journal of Arthroplasty, 2018, 33, 761-765.	3.1	15
47	What Influence Does the Time of Year Have on Postoperative Complications Following Total Knee Arthroplasty?. Journal of Arthroplasty, 2018, 33, 1908-1913.	3.1	14
48	Operative Times Have Remained Stable for Total Hip Arthroplasty for >15 Years. JBJS Open Access, 2019, 4, e0047.	1.5	14
49	Malnutrition increases the 30-day complication and re-operation rates in hip fracture patients treated with total hip arthroplasty. HIP International, 2020, 30, 635-640.	1.7	13
50	Robotic Arm-Assisted versus Manual Total Knee Arthroplasty: A Propensity Score-Matched Analysis. Journal of Knee Surgery, 2023, 36, 105-114.	1.6	13
51	Novel venous thromboembolic disease (VTED) prophylaxis for total knee arthroplasty—aspirin and fish oil. Annals of Translational Medicine, 2017, 5, S30-S30.	1.7	13
52	The Quality of Diagnostic Studies in Periprosthetic Joint Infections: Can We Do Better?. Journal of Arthroplasty, 2019, 34, 2737-2743.	3.1	12
53	A Nationwide Analysis of Preoperative Planning on Operative Times and Postoperative Complications in Total Knee Arthroplasty. Journal of Knee Surgery, 2019, 32, 1040-1045.	1.6	12
54	Acute septic arthritis of the knee: A rare case report of infection with Parvimonas micra after an intra-articular corticosteroid injection for osteoarthritis. Anaerobe, 2018, 51, 17-20.	2.1	11

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55	Operative Time, Length of Stay, Short-Term Readmission, and Complications after Hinged Primary Total Knee Arthroplasty: A Propensity Score Matched Analysis. Journal of Knee Surgery, 2018, 31, 940-945.	1.6	11
56	Patient satisfaction and outcomes of static progressive stretch bracing: a 10-year prospective analysis. Annals of Translational Medicine, 2019, 7, 67-67.	1.7	11
57	Core Decompression and Bone Grafting for Osteonecrosis of the Talus: A Critical Analysis of the Current Evidence. Foot and Ankle Clinics, 2019, 24, 107-112.	1.3	11
58	Total hip arthroplasty in the setting of tuberculosis infection of the hip: a systematic analysis of the current evidence. Expert Review of Medical Devices, 2019, 16, 363-371.	2.8	11
59	Postoperative stroke after anterior cervical discectomy and fusion in patients with carotid artery stenosis: a statewide database analysis. Spine Journal, 2019, 19, 597-601.	1.3	11
60	Subchondral insufficiency fractures of the femoral head: systematic review of diagnosis, treatment and outcomes. Journal of Hip Preservation Surgery, 2020, 7, 85-94.	1.3	11
61	Top 100 Most-Cited Clinical Studies of Hip and Knee Arthroplasty: The Foundation of Practice. Orthopedics, 2019, 42, e151-e161.	1.1	11
62	A Comparison of Relative Value Units in Primary versus Revision Total Ankle Arthroplasty. Surgical Technology International, 2017, 31, 322-326.	0.2	11
63	A comparison of relative value units in revision hip versus revision knee arthroplasty. Journal of Orthopaedics, 2019, 16, 45-48.	1.3	10
64	Outcomes of Cementless Total Knee Arthroplasty in Patients With Rheumatoid Arthritis. Orthopedics, 2018, 41, 103-106.	1.1	10
65	What are the Short-Term Outcomes in Multiple Sclerosis Patients after Total Knee Arthroplasty?. Journal of Knee Surgery, 2019, 32, 165-170.	1.6	9
66	Impact of Intravenous Acetaminophen on Lengths of Stay and Discharge Status after Total Knee Arthroplasty. Journal of Knee Surgery, 2019, 32, 111-116.	1.6	9
67	Effectiveness of the saline load test in diagnosis of simulated traumatic ankle arthrotomies. Injury, 2020, 51, 1114-1117.	1.7	9
68	Have the annual trends of total hip arthroplasty in rheumatoid arthritis patients decreased?. Annals of Translational Medicine, 2017, 5, S35-S35.	1.7	9
69	Use of an App-Controlled Neuromuscular Electrical Stimulation System for Improved Self-Management of Knee Conditions and Reduced Costs. Surgical Technology International, 2017, 31, 221-226.	0.2	9
70	Accurately Predicting Total Knee Component Size without Preoperative Radiographs. Surgical Technology International, 2018, 33, 337-342.	0.2	9
71	Cellular Therapies in Orthopedics: Where Are We?. Surgical Technology International, 2017, 31, 359-364.	0.2	8
72	Impact of Physical Activity and Body Mass Index in Cardiovascular and Musculoskeletal Health: A Review. Surgical Technology International, 2017, 31, 213-220.	0.2	8

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73	Have the Annual Trends of Total Knee Arthroplasty in Rheumatoid Arthritis Patients Changed?. Journal of Knee Surgery, 2018, 31, 841-845.	1.6	7
74	Mortality after hip resurfacing versus total hip arthroplasty in young patients: a single surgeon experience. Annals of Translational Medicine, 2019, 7, 77-77.	1.7	7
75	What Factors Influence Operative Time in Total Knee Arthroplasty? A 10-Year Analysis in a National Sample. Journal of Arthroplasty, 2020, 35, 621-627.	3.1	7
76	Removal of Well-Fixed Tibial Cone in Revision Total Knee Arthroplasty—A Uniquely Challenging Yet Necessary Scenario. Journal of Knee Surgery, 2021, 34, 693-698.	1.6	7
77	Total knee arthroplasty fibrosis following arthroscopic intervention. Annals of Translational Medicine, 2017, 5, S28-S28.	1.7	7
78	Astym® therapy: a systematic review. Annals of Translational Medicine, 2019, 7, 70-70.	1.7	7
79	Cervical sagittal alignment and the impact of posterior spinal instrumented fusion in patients with Lenke type 1 adolescent idiopathic scoliosis. Journal of Spine Surgery, 2018, 4, 342-348.	1.2	7
80	The Role of Virtual Rehabilitation in Total Knee and Hip Arthroplasty. Surgical Technology International, 2018, 32, 299-305.	0.2	7
81	Are adverse outcome rates higher in multiple sclerosis patients after total hip arthroplasty?. Bone and Joint Journal, 2018, 100-B, 875-881.	4.4	6
82	Modified iliac spine wafer osteotomy for exposure during Bernese periacetabular osteotomy. Journal of Hip Preservation Surgery, 2019, 6, 421-425.	1.3	6
83	The Olerud Extensile Anterior Approach for Complex Distal Femoral Fractures: A Systematic Review. Journal of Knee Surgery, 2019, 34, 822-827.	1.6	6
84	Postoperative Pain and Analgesia: Is There a Genetic Basis to the Opioid Crisis?. Surgical Technology International, 2018, 32, 306-314.	0.2	6
85	Manufactured Brace Modalities for Elbow Stiffness. Orthopedics, 2018, 41, e127-e135.	1.1	5
86	A Case for the Brace: A Critical, Comprehensive, and Up-To-Date Review of Static Progressive Stretch, Dynamic, and Turnbuckle Braces for the Management of Elbow, Knee, and Shoulder Pathology. Surgical Technology International, 2017, 31, 303-318.	0.2	5
87	Radiographic Classification Systems for Osteonecrosis of the Knee: A Review of Literature. Surgical Technology International, 2017, 31, 374-378.	0.2	5
88	ls Orthopaedic Department Teaching Status Associated with Adverse Outcomes of Primary Total Knee Arthroplasty?. Surgical Technology International, 2017, 31, 379-383.	0.2	5
89	Perioperative Outcomes and Short-Term Complications Following Total Knee Arthroplasty in Chronically, Immunosuppressed Patients. Surgical Technology International, 2018, 32, 263-269.	0.2	5
90	Use of Neuromuscular Electrical Stimulation During Physical Therapy May Reduce the Incidence of Arthrofibrosis After Total Knee Arthroplasty. Surgical Technology International, 2018, 32, 356-360.	0.2	5

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91	Outcomes of Dual Mobility Acetabular Cups in Total Hip Arthroplasty Patients. Surgical Technology International, 2019, 34, 367-370.	0.2	5
92	Total knee arthroplasty in the face of a previous tuberculosis infection of the knee: what do we know in 2018?. Expert Review of Medical Devices, 2018, 15, 717-724.	2.8	4
93	Soft Tissue Reconstruction for Deep Defects over a Complicated Total Knee Arthroplasty: A Systematic Review. Journal of Knee Surgery, 2020, 33, 732-744.	1.6	4
94	Utilization and outcomes of neuromuscular electric stimulation in patients with knee osteoarthritis: a retrospective analysis. Annals of Translational Medicine, 2019, 7, S246-S246.	1.7	4
95	Nonoperative Applications of Placental Tissue Matrix in Orthopaedic Sports Injuries. Clinical Journal of Sport Medicine, 2018, Publish Ahead of Print, 383-389.	1.8	3
96	Operative Times in Primary Total Knee Arthroplasty: Can We Predict the Future Based on Contemporary Nationwide Data. Journal of Knee Surgery, 2019, 34, 834-840.	1.6	3
97	In-hospital Mortality after Septic Revision TKA: Analysis of the New York and Florida State Inpatient Databases. Journal of Knee Surgery, 2022, 35, 416-423.	1.6	3
98	Prophylactic Celecoxib Administration Is Associated With Decreased Incidence and Severity of Heterotopic Ossification After Hip Resurfacing by Direct Lateral Approach in Male Patients. Orthopedics, 2018, 41, e807-e812.	1.1	3
99	Cryotherapy Treatment After Arthroscopic Knee Debridement and ACL Reconstruction: A Review. Surgical Technology International, 2017, 30, 415-424.	0.2	3
100	Impact of Neuromuscular Electrical Stimulation (NMES) on 90-Day Episode Costs and Post-Acute Care Utilization in Total Knee Replacement Patients with Disuse Atrophy. Surgical Technology International, 2017, 31, 384-388.	0.2	3
101	No Evidence of Increased Infection Risk with Forced-Air Warming Devices: A Systematic Review. Surgical Technology International, 2017, 31, 295-301.	0.2	3
102	Linear Wear Rates of a Highly Cross-Linked Polyethylene Hip Liner. Surgical Technology International, 2018, 33, 265-270.	0.2	3
103	Knee Pain and the Use of Various Types of Footwear—A Review. Journal of Knee Surgery, 2018, 31, 952-964.	1.6	2
104	Dialysis Is Not Associated with Increased Risk of Perioperative Complications in TKA Patients after Adjusting for Pertinent Confounders. Journal of Knee Surgery, 2020, 33, 745-749.	1.6	2
105	Are the anatomy textbooks wrong? A clinical patho-anatomic study of foveal vessels in the round ligament of the hip. Annals of Translational Medicine, 2017, 5, S32-S32.	1.7	2
106	Quadriceps and Hamstring Muscle Strength Improves After Unicompartmental Knee Arthroplasty. Surgical Technology International, 2017, 31, 267-271.	0.2	2
107	Have the Yearly Trends of Total Hip Arthroplasty in Ankylosing Spondylitis Patients Decreased?. Surgical Technology International, 2017, 31, 327-332.	0.2	2
108	Sub-Trochanteric Hip Fracture Following Core Decompression for Osteonecrosis in a Patient with a Pre-Existing Contralateral Occult Femoral Neck Fracture. Surgical Technology International, 2018, 32, 361-365.	0.2	2

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109	New Advances in Surgical Approaches for Total Knee Arthroplasty. Journal of Knee Surgery, 2018, 31, 001-001.	1.6	1
110	Osteoid Osteoma Masquerading as Cholelithiasis. JBJS Case Connector, 2020, 10, e0090-e0090.	0.3	1
111	Removal of a urinary catheter before discontinuation of epidural analgesia is associated with an increased risk of postoperative urinary retention and hospital episode costs in patients undergoing surgical correction for adolescent idiopathic scoliosis. Spine Deformity, 2020, 8, 195-201.	1.5	1
112	Resident Involvement in Posterior Lumbar Interbody Fusion is Associated With Increased Readmissions and Operative Time, But No Increased Short-term Risks. Clinical Spine Surgery, 2021, 34, E364-E369.	1.3	1
113	Does a simple syringe applicator enhance bone cement set up time in knee arthroplasty?. Annals of Translational Medicine, 2017, 5, S25-S25.	1.7	1
114	Preface: ATM special section: lower extremity arthroplasty. Annals of Translational Medicine, 2017, 5, S23-S23.	1.7	1
115	Have the annual trends of total knee arthroplasty in ankylosing spondylitis patients decreased?. Annals of Translational Medicine, 2017, 5, S29-S29.	1.7	1
116	Improvement in hamstring and quadriceps muscle strength following cruciate-retaining single radius total knee arthroplasty. Annals of Translational Medicine, 2017, 5, S27-S27.	1.7	1
117	Use of an offset head center acetabular shell in difficult primary total hip arthroplasties. Annals of Translational Medicine, 2019, 7, 75-75.	1.7	1
118	Does Obesity Affect Outcomes in Patients Undergoing Innovative Multi-Modal Physical Therapy Following Primary Total Knee Arthroplasty?. Surgical Technology International, 2017, 31, 201-206.	0.2	1
119	A Comparative Effectiveness Study for Non-Operative Treatment Methods for Knee Osteoarthritis. Surgical Technology International, 2018, 32, 325-330.	0.2	1
120	A Systematic Review of Suture Technologies in Total Knee Arthroplasty. Surgical Technology International, 2019, 34, 391-396.	0.2	1
121	Spontaneous Closed Rupture of Achilles Tendon Following Minimally Invasive Ultrasonic Energy Therapy: A Report of Two Cases. Surgical Technology International, 2019, 34, 483-487.	0.2	1
122	Total Knee Arthroplasty in Complex Scenarios. Journal of Knee Surgery, 2018, 31, 927-927.	1.6	0
123	Risk factors in septic revisions following total hip arthroplasty. Lancet Infectious Diseases, The, 2018, 18, 931-933.	9.1	0
124	Lower extremity arthroplasty. Annals of Translational Medicine, 2019, 7, 63-63.	1.7	0
125	Does Atrial Septal Defect Increase the Risk of Stroke Following Total Hip and Knee Arthroplasty?. Surgical Technology International, 2017, 31, 177-181.	0.2	0
126	Mechanical Prophylaxis after Lower Extremity Total Joint Arthroplasty: A Review. Surgical Technology International, 2017, 31, 253-262.	0.2	0

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127	Hip Osteoarthritis Patients Demonstrated Marked Dynamic Changes and Variability in Pelvic Tilt, Obliquity, and Rotation: A Comparative, Gait-Analysis Study. Surgical Technology International, 2018, 32, 285-292.	0.2	0
128	Operative Applications of Placental Tissue Matrix in Orthopaedic Sports Injuries: A Review of the Literature. Surgical Technology International, 2019, 34, 397-402.	0.2	0
129	Difficult Revision Total Hip Arthroplasty Cases Treated with an Offset Head Center Acetabular Shell. Surgical Technology International, 2019, 34, 445-450.	0.2	0
130	MAKO Robotic-Arm Assisted Total Knee Arthroplasty: Surgical Technique From the Office to the Operating Room. Surgical Technology International, 2021, 39, 375-385.	0.2	0