

# Derek F Amanatullah

## List of Publications by Year in descending order

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93  
papers

1,836  
citations

430874

18  
h-index

330143

37  
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96  
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96  
docs citations

96  
times ranked

2249  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep-learning-assisted diagnosis for knee magnetic resonance imaging: Development and retrospective validation of MRNet. <i>PLoS Medicine</i> , 2018, 15, e1002699.	8.4	409
2	Venous Thromboembolism Prophylaxis After TKA: Aspirin, Warfarin, Enoxaparin, or Factor Xa Inhibitors?. <i>Clinical Orthopaedics and Related Research</i> , 2017, 475, 2205-2213.	1.5	103
3	The Safety and Toxicity of Phage Therapy: A Review of Animal and Clinical Studies. <i>Viruses</i> , 2021, 13, 1268.	3.3	103
4	The biological response to orthopaedic implants for joint replacement: Part I: Metals. , 2017, 105, 2162-2173.		95
5	The Direct Anterior Approach is Associated With Early Revision Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2017, 32, 1001-1005.	3.1	76
6	Single-cell mass cytometry reveals cross-talk between inflammation-dampening and inflammation-amplifying cells in osteoarthritic cartilage. <i>Science Advances</i> , 2020, 6, eaay5352.	10.3	52
7	Obesity is Associated With Early Total Hip Revision for Aseptic Loosening. <i>Journal of Arthroplasty</i> , 2016, 31, 217-220.	3.1	44
8	Phlpp1 facilitates post-traumatic osteoarthritis and is induced by inflammation and promoter demethylation in human osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 1021-1028.	1.3	44
9	Obesity Is Independently Associated With Early Aseptic Loosening in Primary Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2018, 33, 882-886.	3.1	44
10	Periprosthetic bacterial biofilm and quorum sensing. <i>Journal of Orthopaedic Research</i> , 2018, 36, 2331-2339.	2.3	43
11	Next generation sequencing for pathogen detection in periprosthetic joint infections. <i>EFORT Open Reviews</i> , 2021, 6, 236-244.	4.1	37
12	Smoking is associated with earlier time to revision of total knee arthroplasty. <i>Knee</i> , 2017, 24, 1182-1186.	1.6	35
13	Antiglide plating of vertical medial malleolus fractures provides stiffer initial fixation than bicortical or unicortical screw fixation. <i>Clinical Biomechanics</i> , 2016, 31, 29-32.	1.2	34
14	Similar Clinical Outcomes for THAs With and Without Prior Periacetabular Osteotomy. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 685-691.	1.5	32
15	Google Trends Analysis Shows Increasing Public Interest in Platelet-Rich Plasma Injections for Hip and Knee Osteoarthritis. <i>Journal of Arthroplasty</i> , 2021, 36, 3616-3622.	3.1	30
16	Elevated Body Mass Index Is Associated With Early Total Knee Revision for Infection. <i>Journal of Arthroplasty</i> , 2017, 32, 252-255.	3.1	29
17	The Cost of Malnutrition in Total Joint Arthroplasty. <i>Journal of Arthroplasty</i> , 2020, 35, 926-932.e1.	3.1	29
18	Reconstruction of Disrupted Extensor Mechanism After Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2017, 32, 3134-3140.	3.1	28

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19	Quality Measures in Total Hip and Total Knee Arthroplasty. Journal of the American Academy of Orthopaedic Surgeons, The, 2019, 27, 219-226.	2.5	21
20	Direct Superior Approach to the Hip for Total Hip Arthroplasty. JBJS Essential Surgical Techniques, 2019, 9, e17.	0.8	21
21	Local estrogen axis in the human bone microenvironment regulates estrogen receptor-positive breast cancer cells. Breast Cancer Research, 2017, 19, 121.	5.0	20
22	Suboptimal patellofemoral alignment is associated with poor clinical outcome scores after primary total knee arthroplasty. Archives of Orthopaedic and Trauma Surgery, 2019, 139, 249-254.	2.4	20
23	Efficacy of motivational-interviewing and guided opioid tapering support for patients undergoing orthopedic surgery (MI-Opioid Taper): A prospective, assessor-blind, randomized controlled pilot trial. EClinicalMedicine, 2020, 28, 100596.	7.1	19
24	The routine use of synovial alpha-defensin is not necessary. Bone and Joint Journal, 2020, 102-B, 593-599.	4.4	19
25	Cortical Strut Allograft Support of Modular Femoral Junctions During Revision Total Hip Arthroplasty. Journal of Arthroplasty, 2017, 32, 1586-1592.	3.1	18
26	Weight Gain After Primary Total Knee Arthroplasty Is Associated With Accelerated Time to Revision for Aseptic Loosening. Journal of Arthroplasty, 2017, 32, 2167-2170.	3.1	18
27	Computer Navigation vs Conventional Total Hip Arthroplasty: A Medicare Database Analysis. Journal of Arthroplasty, 2019, 34, 1994-1998.e1.	3.1	17
28	Tibiofemoral Dislocation After Total Knee Arthroplasty. Journal of Arthroplasty, 2016, 31, 2282-2285.	3.1	16
29	Torsional Properties of Distal Femoral Cortical Defects. Orthopedics, 2014, 37, 158-162.	1.1	16
30	Timing of Lumbar Spinal Fusion Affects Total Hip Arthroplasty Outcomes. Journal of the American Academy of Orthopaedic Surgeons Global Research and Reviews, 2019, 3, e00133.	0.7	15
31	Influence of team composition on turnover and efficiency of total hip and knee arthroplasty. Bone and Joint Journal, 2021, 103-B, 347-352.	4.4	14
32	Effect of divergent screw fixation in vertical medial malleolus fractures. Journal of Trauma, 2012, 72, 751-754.	2.3	13
33	Effect of mini-fragment fixation on the stabilization of medial malleolus fractures. Journal of Trauma, 2012, 72, 948-953.	2.3	12
34	Femoral Nerve Catheters Improve Home Disposition and Pain in Hip Fracture Patients Treated With Total Hip Arthroplasty. Journal of Arthroplasty, 2017, 32, 3434-3437.	3.1	12
35	Strategies for Weight Reduction Prior to Total Joint Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2018, 100, 1888-1896.	3.0	12
36	Proximal Femoral Shape Changes the Risk of a Leg Length Discrepancy After Primary Total Hip Arthroplasty. Journal of Arthroplasty, 2018, 33, 3699-3703.	3.1	12

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37	Total Knee Arthroplasty Has A Positive Effect on Patients With Low Mental Health Scores. Journal of Arthroplasty, 2020, 35, 112-115.	3.1	12
38	Reimbursement and Complications in Outpatient vs Inpatient Unicompartmental Arthroplasty. Journal of Arthroplasty, 2020, 35, S86-S91.	3.1	12
39	Sled fixation for horizontal medial malleolus fractures. Clinical Biomechanics, 2017, 42, 92-96.	1.2	11
40	Financial Distress and Discussing the Cost of Total Joint Arthroplasty. Journal of Arthroplasty, 2018, 33, 3394-3397.	3.1	11
41	Venous thromboprophylaxis after total hip arthroplasty: aspirin, warfarin, enoxaparin, or factor Xa inhibitors?. HIP International, 2020, 30, 564-571.	1.7	11
42	Encapsulated Mesenchymal Stromal Cell Microbeads Promote Endogenous Regeneration of Osteoarthritic Cartilage Ex Vivo. Advanced Healthcare Materials, 2021, 10, 2002118.	7.6	11
43	Effect of Computer Navigation on Complication Rates Following Unicompartmental Knee Arthroplasty. Journal of Arthroplasty, 2018, 33, 3437-3440.e1.	3.1	10
44	Tolerant Small-colony Variants Form Prior to Resistance Within a Staphylococcus aureus Biofilm Based on Antibiotic Selective Pressure. Clinical Orthopaedics and Related Research, 2021, 479, 1471-1481.	1.5	10
45	The Rationale for Using Bacteriophage to Treat and Prevent Periprosthetic Joint Infections. Frontiers in Microbiology, 2020, 11, 591021.	3.5	9
46	Use of Cortical Strut Allograft After Extended Trochanteric Osteotomy in Revision Total Hip Arthroplasty. Journal of Arthroplasty, 2017, 32, 1599-1605.	3.1	8
47	Reproducibility and Precision of CT Scans to Evaluate Tibial Component Rotation. Journal of Arthroplasty, 2017, 32, 2552-2555.	3.1	8
48	A Small Amount of Retraction Force Results in Inadvertent Piriformis Muscle Damage During a Piriformis-Sparing Approach to the Hip. Journal of Bone and Joint Surgery - Series A, 2020, 102, 1687-1693.	3.0	8
49	Survival bias may explain the appearance of the obesity paradox in hip fracture patients. Osteoporosis International, 2021, 32, 2555-2562.	3.1	8
50	To Fix or Revise: Differences in Periprosthetic Distal Femur Fracture Management Between Trauma and Arthroplasty Surgeons. Journal of the American Academy of Orthopaedic Surgeons, The, 2022, 30, e17-e24.	2.5	8
51	Return to work and productivity loss after surgery: A health economic evaluation. International Journal of Surgery, 2021, 95, 106100.	2.7	8
52	Migration Patterns for Revision Total Knee Arthroplasty in the United States as Reported in the American Joint Replacement Registry. Journal of Arthroplasty, 2021, 36, 3538-3542.	3.1	8
53	Outcome of 4 Surgical Treatments for Wear and Osteolysis of Cementless Acetabular Components. Journal of Arthroplasty, 2017, 32, 2799-2805.	3.1	7
54	Utilization of a pneumatic exoskeleton after total knee arthroplasty. Arthroplasty Today, 2019, 5, 314-315.	1.6	7

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55	Intraoperative Practice Variability in Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2020, 35, 725-731.	3.1	7
56	A framework to make PROMs relevant to patients: qualitative study of communication preferences of PROMs. <i>Quality of Life Research</i> , 2022, 31, 1093-1103.	3.1	7
57	A Simple Goal Elicitation Tool Improves Shared Decision Making in Outpatient Orthopedic Surgery: A Randomized Controlled Trial. <i>Medical Decision Making</i> , 2020, 40, 766-773.	2.4	6
58	The CARDE-B Scoring System Predicts 30-Day Mortality After Revision Total Joint Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 424-431.	3.0	6
59	Headless compression screw for horizontal medial malleolus fractures. <i>Clinical Biomechanics</i> , 2018, 55, 1-6.	1.2	5
60	Protocol-Driven Revision for Stiffness After Total Knee Arthroplasty Improves Motion and Clinical Outcomes. <i>Journal of Arthroplasty</i> , 2018, 33, 2952-2955.	3.1	5
61	Statin use is associated with less postoperative cardiac arrhythmia after total hip arthroplasty. <i>HIP International</i> , 2019, 29, 618-623.	1.7	5
62	Immune checkpoint upregulation in periprosthetic joint infection. <i>Journal of Orthopaedic Research</i> , 2022, 40, 2663-2669.	2.3	5
63	Proximal femoral reconstruction for failed internal fixation of a bisphosphonate-related femur fracture. <i>Arthroplasty Today</i> , 2016, 2, 153-156.	1.6	4
64	Medications Available for Weight Reduction in Elective Total Joint Arthroplasty. <i>JBJS Reviews</i> , 2020, 8, e0123-e0123.	2.0	4
65	Selective screw fixation is associated with early failure of primary acetabular components for aseptic loosening. <i>Journal of Orthopaedic Research</i> , 2020, 38, 2429-2433.	2.3	4
66	MD&PhD graduates remain underrepresented in orthopaedic surgery: National MD&PhD Program Outcome Survey update. <i>Journal of Orthopaedic Research</i> , 2020, 38, 2181-2188.	2.3	4
67	Knee Implant Identification by Fine-Tuning Deep Learning Models. <i>Indian Journal of Orthopaedics</i> , 2021, 55, 1295-1305.	1.1	4
68	EMTALA (Emergency Medical Treatment and Active Labor Act) Obligations. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, e55.	3.0	3
69	Perioperative Statin Use May Reduce Postoperative Arrhythmia Rates After Total Joint Arthroplasty. <i>Journal of Arthroplasty</i> , 2021, 36, 3401-3405.	3.1	3
70	Effect of trabecular metal on the elution of gentamicin from Palacos cement. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1018-1024.	2.3	2
71	Mechanical compression augments venous flow equal to intermittent pneumatic compression. <i>Journal of Orthopaedic Research</i> , 2020, 38, 2390-2395.	2.3	2
72	Agreement and Reliability of Lateral Patellar Tilt and Displacement following Total Knee Arthroplasty with Patellar Resurfacing. <i>Journal of Knee Surgery</i> , 2021, 34, 717-720.	1.6	2

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73	Effect of Comorbidity Burden on the Risk of Venous Thromboembolic Events after Total Knee Arthroplasty. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2021, 12, 215145932110439.	1.4	2
74	Medial Unicompartmental Knee Arthroplasty with a Mobile-Bearing Implant. <i>JBJS Essential Surgical Techniques</i> , 2021, 11, .	0.8	2
75	Excellent Clinical and Radiographic Outcomes with Direct Superior Total Hip Arthroplasty with a Minimum of Two-Year Follow Up. <i>Surgical Technology International</i> , 0, , .	0.2	2
76	Calcium phosphate cement and locked plate augmentation of distal femoral defects: A biomechanical analysis. <i>Knee</i> , 2019, 26, 1020-1025.	1.6	1
77	Improved Range of Motion and Patient-Reported Outcome Scores With Fixed-Bearing Revision Total Knee Arthroplasty for Suboptimal Axial Implant Rotation. <i>Journal of Arthroplasty</i> , 2019, 34, 1174-1178.	3.1	1
78	Risk Adjustment in the California Joint Replacement Registry: Is Patient Complexity Accurately Assessed in Academic Versus Nonacademic Hospitals?. <i>Journal of Arthroplasty</i> , 2020, 35, 3437-3444.	3.1	1
79	Analysis of Computer Vision Methods for Counting Surgical Instruments. <i>Surgical Innovation</i> , 2021, 28, 155335062095642.	0.9	1
80	Articulating vs Static Spacers for Native Knee Infection in the Setting of Degenerative Joint Disease. <i>Arthroplasty Today</i> , 2021, 8, 138-144.	1.6	1
81	Headless Compression Screw Fixation of Vertical Medial Malleolus Fractures is Superior to Unicortical Screw Fixation. <i>American Journal of Orthopedics</i> , 2018, 47, .	0.7	1
82	Staging Bilateral Total Knee Arthroplasties Reduces Alignment Outliers. <i>Journal of Arthroplasty</i> , 2022, 37, 694-698.	3.1	1
83	Biomechanical Consequences of Anterior Femoral Notching in Cruciate-Retaining Versus Posterior-Stabilized Total Knee Arthroplasty. <i>American Journal of Orthopedics</i> , 2016, 45, E268-72.	0.7	1
84	Short-Term Safety of the Direct Superior Approach for Total Hip Arthroplasty. <i>Surgical Technology International</i> , 2020, 36, 317-322.	0.2	1
85	Excellent Clinical and Radiographic Outcomes with Direct Superior Total Hip Arthroplasty with a Minimum of Two-Year Follow Up. <i>Surgical Technology International</i> , 2021, 37, 342-346.	0.2	1
86	Response to Letter to the Editor on "Tibiofemoral Dislocation After Total Knee Arthroplasty". <i>Journal of Arthroplasty</i> , 2017, 32, 700.	3.1	0
87	Response to Letter to the Editor on "Weight Gain After Primary Total Knee Arthroplasty is Associated With Accelerated Time to Revision for Aseptic Loosening". <i>Journal of Arthroplasty</i> , 2017, 32, 3258.	3.1	0
88	Quantitative Multiplex Immunoassay for Profiling Bone Turnover Biomarkers in Human Bone Tissue Culture Supernatants. <i>Methods in Molecular Biology</i> , 2019, 1862, 251-262.	0.9	0
89	Reply to Letter to the Editor on "Mental Health Status Improves Following Total Knee Arthroplasty". <i>Journal of Arthroplasty</i> , 2020, 35, 2685-2686.	3.1	0
90	Provider Personal and Demographic Characteristics and Patient Satisfaction in Orthopaedic Surgery. <i>Journal of the American Academy of Orthopaedic Surgeons Global Research and Reviews</i> , 2021, 5, .	0.7	0

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91	Notching of the Neck After Acetabular Constraint Necessitating Femoral Component Revision. <i>Arthroplasty Today</i> , 2021, 12, 32-35.	1.6	0
92	Response: MD&PhD graduates remain underrepresented in orthopedic surgery: National MD&PhD Program Outcome Survey update. <i>Journal of Orthopaedic Research</i> , 2022, 40, 309-309.	2.3	0
93	Supine Knee Positioning Does Not Interfere with Mobile-Bearing Unicompartmental Knee Arthroplasty Performance. <i>Journal of Knee Surgery</i> , 0, , .	1.6	0