

Stephen L Kates

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

6,865
citations

87888

38
h-index

62596

80
g-index

110
all docs

110
docs citations

110
times ranked

8198
citing authors

#	ARTICLE	IF	CITATIONS
1	Rationale and process for N95 respirator sanitation and reuse in the coronavirus disease 2019 (COVID-19) pandemic. <i>Infection Control and Hospital Epidemiology</i> , 2022, 43, 40-44.	1.8	8
2	Low albumin level is more strongly associated with adverse outcomes and <i>Staphylococcus aureus</i> infection than hemoglobin A1C or smoking tobacco. <i>Journal of Orthopaedic Research</i> , 2022, 40, 2670-2677.	2.3	4
3	Significant Reduction in Short-Term Complications Following Unicompartmental Versus Total Knee Arthroplasty: A Propensity Score Matched Analysis. <i>Journal of Arthroplasty</i> , 2022, 37, 2014-2019.	3.1	3
4	Adjuvant antibiotic-loaded bone cement: Concerns with current use and research to make it work. <i>Journal of Orthopaedic Research</i> , 2021, 39, 227-239.	2.3	63
5	The AO trauma CPP bone infection registry: Epidemiology and outcomes of <i>Staphylococcus aureus</i> bone infection. <i>Journal of Orthopaedic Research</i> , 2021, 39, 136-146.	2.3	26
6	A Biomechanical Comparison of the Effect of Baseplate Design and Bone Marrow Fat Infiltration on Tibial Baseplate Pullout Strength. <i>Journal of Arthroplasty</i> , 2021, 36, 356-361.	3.1	9
7	Surgery Resident Perceptions of the Clicker Evaluation System: A Novel Approach to Collecting and Utilizing Clinical Faculty Performance Data. <i>Journal of Surgical Education</i> , 2021, 78, 113-118.	2.5	1
8	Distinct expression trend of signature antigens of <i>Staphylococcus aureus</i> osteomyelitis correlated with clinical outcomes. <i>Journal of Orthopaedic Research</i> , 2021, 39, 265-273.	2.3	3
9	Enhanced Recovery After Surgery: An Orthopedic Perspective. <i>Arthroplasty Today</i> , 2021, 9, 98-100.	1.6	3
10	Enhanced Recovery After Primary Total Hip and Knee Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 1938-1947.	3.0	68
11	Serum antibodies against <i>Staphylococcus aureus</i> can prognose treatment success in patients with bone infections. <i>Journal of Orthopaedic Research</i> , 2021, 39, 2169-2176.	2.3	9
12	Barriers and Resources to Optimize Bone Health in Orthopaedic Education. <i>JBJS Open Access</i> , 2021, 6, .	1.5	0
13	Variation in practice for preoperative antibiotic prophylaxis: a survey from an academic tertiary referral center in the United States. <i>Patient Safety in Surgery</i> , 2021, 15, 36.	2.3	1
14	Spinal Anesthesia or General Anesthesia for Hip Surgery in Older Adults. <i>New England Journal of Medicine</i> , 2021, 385, 2025-2035.	27.0	211
15	General treatment principles for fracture-related infection: recommendations from an international expert group. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2020, 140, 1013-1027.	2.4	141
16	Biofilm Producing <i>Staphylococcus epidermidis</i> (RP62A Strain) Inhibits Osseous Integration Without Osteolysis and Histopathology in a Murine Septic Implant Model. <i>Journal of Orthopaedic Research</i> , 2020, 38, 852-860.	2.3	17
17	Development and challenges in setting up an international bone infection registry. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2020, 140, 741-749.	2.4	11
18	Accepting higher morbidity in exchange for sacrificing fewer animals in studies developing novel infection-control strategies. <i>Biomaterials</i> , 2020, 232, 119737.	11.4	16

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19	POSSUM and P-POSSUM Scoring in Hip Fracture Mortalities. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2020, 11, 215145932093167.	1.4	9
20	High- Versus Low-Energy Acetabular Fracture Outcomes in the Geriatric Population. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2020, 11, 215145932093954.	1.4	8
21	Does Adherence to Preoperative Surgical Selection Criteria Reduce the Rate of Prosthetic Joint Infection in Primary and Revision Total Knee Arthroplasties?. <i>Arthroplasty Today</i> , 2020, 6, 410-413.	1.6	10
22	Vitamin C and inflammatory cytokine levels in elective total knee arthroplasty. <i>Nutrition and Health</i> , 2020, 26, 87-91.	1.5	4
23	Commentary on Secondary Fracture Prevention: Consensus Clinical Recommendations From a Multistakeholder Coalition Originally Published in the <i>Journal of Bone and Mineral Research</i> . <i>Journal of Orthopaedic Trauma</i> , 2020, 34, 221-221.	1.4	7
24	Preoperative Risk Factor Screening Protocols in Total Joint Arthroplasty: A Systematic Review. <i>Journal of Arthroplasty</i> , 2020, 35, 3353-3363.	3.1	36
25	Musculoskeletal Infection in Orthopaedic Trauma. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, e44.	3.0	46
26	Does Comanagement of Patients With Hip Fracture Influence 30-Day Outcomes. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2020, 11, 215145932090199.	1.4	5
27	IsdB antibody-mediated sepsis following <i>S. aureus</i> surgical site infection. <i>JCI Insight</i> , 2020, 5, .	5.0	23
28	Lack of Humoral Immunity Against Glucosaminidase Is Associated with Postoperative Complications in <i>Staphylococcus aureus</i> Osteomyelitis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, 1842-1848.	3.0	17
29	Evidence Review Conducted for the Agency for Healthcare Research and Quality Safety Program for Improving Surgical Care and Recovery: Focus on Anesthesiology for Total Knee Arthroplasty. <i>Anesthesia and Analgesia</i> , 2019, 128, 441-453.	2.2	47
30	Evolving concepts in bone infection: redefining "biofilm", "acute vs. chronic osteomyelitis", "the immune proteome" and "local antibiotic therapy". <i>Bone Research</i> , 2019, 7, 20.	11.4	300
31	Clinical practice in prevention of fracture-related infection: An international survey among 1197 orthopaedic trauma surgeons. <i>Injury</i> , 2019, 50, 1208-1215.	1.7	32
32	Evidence Review Conducted for the Agency for Healthcare Research and Quality Safety Program for Improving Surgical Care and Recovery. <i>Anesthesia and Analgesia</i> , 2019, 128, 1107-1117.	2.2	18
33	2018 International Consensus Meeting on Musculoskeletal Infection: Research Priorities from the General Assembly Questions. <i>Journal of Orthopaedic Research</i> , 2019, 37, 997-1006.	2.3	189
34	Calcium Phosphate Spacers for the Local Delivery of Sitafloxacin and Rifampin to Treat Orthopedic Infections: Efficacy and Proof of Concept in a Mouse Model of Single-Stage Revision of Device-Associated Osteomyelitis. <i>Pharmaceutics</i> , 2019, 11, 94.	4.5	27
35	Surgical selection criteria compliance is associated with a lower risk of periprosthetic joint infection in total hip arthroplasty. <i>Arthroplasty Today</i> , 2019, 5, 528-531.	1.6	10
36	Evidence Review Conducted for the Agency for Healthcare Research and Quality Safety Program for Improving Surgical Care and Recovery: Focus on Anesthesiology for Total Hip Arthroplasty. <i>Anesthesia and Analgesia</i> , 2019, 128, 454-465.	2.2	35

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37	General Assembly, Diagnosis, Definitions: Proceedings of International Consensus on Orthopedic Infections. <i>Journal of Arthroplasty</i> , 2019, 34, S181-S185.	3.1	27
38	Immunotherapy synergizes with debridement and antibiotic therapy in a murine 1â€stage exchange model of MRSA implantâ€associated osteomyelitis. <i>Journal of Orthopaedic Research</i> , 2018, 36, 1590-1598.	2.3	37
39	Surgical Technical Evidence Review for Elective Total Joint Replacement Conducted for the AHRQ Safety Program for Improving Surgical Care and Recovery. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2018, 9, 215145851875445.	1.4	10
40	Critical review of a scientific manuscript: a practical guide for reviewers. <i>Journal of Neurosurgery</i> , 2018, 128, 312-321.	1.6	6
41	Obesity/type 2 diabetes increases inflammation, periosteal reactive bone formation, and osteolysis during <i>Staphylococcus aureus</i> implantâ€associated bone infection. <i>Journal of Orthopaedic Research</i> , 2018, 36, 1614-1623.	2.3	30
42	Outside the Bone: What Is Happening Systemically to Influence Fracture Healing?. <i>Journal of Orthopaedic Trauma</i> , 2018, 32, S33-S36.	1.4	11
43	A High-Throughput Screening Approach To Repurpose FDA-Approved Drugs for Bactericidal Applications against <i>Staphylococcus aureus</i> Small-Colony Variants. <i>MSphere</i> , 2018, 3, .	2.9	31
44	Biomechanical Evaluation of Osteoporotic Proximal Periprosthetic Femur Fractures With Proximal Bicortical Fixation and Allograft Struts. <i>Journal of Orthopaedic Trauma</i> , 2018, 32, 508-514.	1.4	10
45	Comparison of 90-Day Perioperative Outcomes in Shoulder Arthroplasty Between the Elderly and Nonelderly Patients. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2018, 9, 215145931880384.	1.4	0
46	Exacerbated <i>Staphylococcus aureus</i> Foot Infections in Obese/Diabetic Mice Are Associated with Impaired Germinal Center Reactions, Ig Class Switching, and Humoral Immunity. <i>Journal of Immunology</i> , 2018, 201, 560-572.	0.8	21
47	Surgical Technical Evidence Review of Hip Fracture Surgery Conducted for the AHRQ Safety Program for Improving Surgical Care and Recovery. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2018, 9, 215145931876921.	1.4	8
48	The Case for Comanagement and Care Pathways for Osteoporotic Patients with a Hip Fracture. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, 1343-1350.	3.0	13
49	3D Printing of Calcium Phosphate Ceramics for Bone Tissue Engineering and Drug Delivery. <i>Annals of Biomedical Engineering</i> , 2017, 45, 23-44.	2.5	271
50	Radiographic Review of Helical Blade Versus Lag Screw Fixation for Cephalomedullary Nailing of Low-Energy Peritrochanteric Femur Fractures: There is a Difference in Cutout. <i>Journal of Orthopaedic Trauma</i> , 2017, 31, 305-310.	1.4	44
51	Pay-for-performance in orthopedics: how we got here and where we are going. <i>Current Reviews in Musculoskeletal Medicine</i> , 2017, 10, 212-217.	3.5	22
52	Adaptive Upregulation of Clumping Factor A (ClfA) by <i>Staphylococcus aureus</i> in the Obese, Type 2 Diabetic Host Mediates Increased Virulence. <i>Infection and Immunity</i> , 2017, 85, .	2.2	33
53	Evidence of <i>Staphylococcus Aureus</i> Deformation, Proliferation, and Migration in Canaliculi of Live Cortical Bone in Murine Models of Osteomyelitis. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 985-990.	2.8	193
54	Prevention and Management of Postoperative Delirium in Elderly Patients Following Elective Spinal Surgery. <i>Clinical Spine Surgery</i> , 2017, 30, 112-119.	1.3	72

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55	The Utility of Postoperative Radiographs 2 Years After Primary Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2017, 32, 106-109.	3.1	7
56	Epidemiological, Clinical and Microbiological Characteristics of Patients with Post-Traumatic Osteomyelitis of Limb Fractures in Southwest China: A Hospital-Based Study. <i>Journal of Bone and Joint Infection</i> , 2017, 2, 149-153.	1.5	32
57	Orthopaedic device-related infection: current and future interventions for improved prevention and treatment. <i>EFORT Open Reviews</i> , 2016, 1, 89-99.	4.1	131
58	Increased numbers of CD23 ⁺ CD21 ^{hi} Bin ⁺ like B cells in human reactive and rheumatoid arthritis lymph nodes. <i>European Journal of Immunology</i> , 2016, 46, 1752-1757.	2.9	19
59	Hip fracture programs: are they effective?. <i>Injury</i> , 2016, 47, S25-S27.	1.7	36
60	Letter to the Editor: New Definition for Periprosthetic Joint Infection: From the Workgroup of the Musculoskeletal Infection Society. <i>Clinical Orthopaedics and Related Research</i> , 2016, 474, 2726-2727.	1.5	13
61	Suppressive Effects of Insulin on Tumor Necrosis Factor α -Dependent Early Osteoarthritic Changes Associated With Obesity and Type 2 Diabetes Mellitus. <i>Arthritis and Rheumatology</i> , 2016, 68, 1392-1402.	5.6	91
62	Staphylococcal orthopaedic device-related infections in older patients. <i>Injury</i> , 2016, 47, 1427-1434.	1.7	17
63	How do bisphosphonates affect fracture healing?. <i>Injury</i> , 2016, 47, S65-S68.	1.7	87
64	Biomaterials approaches to treating implant-associated osteomyelitis. <i>Biomaterials</i> , 2016, 81, 58-71.	11.4	248
65	Antibiotic Resistance of Commensal <i>Staphylococcus aureus</i> and Coagulase-Negative Staphylococci in an International Cohort of Surgeons: A Prospective Point-Prevalence Study. <i>PLoS ONE</i> , 2016, 11, e0148437.	2.5	58
66	Frailty and Short-Term Outcomes in Patients With Hip Fracture. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2015, 6, 209-214.	1.4	76
67	Surface Damage on Dental Implants with Release of Loose Particles after Insertion into Bone. <i>Clinical Implant Dentistry and Related Research</i> , 2015, 17, 681-692.	3.7	52
68	Quantifying the natural history of biofilm formation in vivo during the establishment of chronic implant-associated <i>Staphylococcus aureus</i> osteomyelitis in mice to identify critical pathogen and host factors. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1311-1319.	2.3	147
69	A Humoral Immune Defect Distinguishes the Response to <i>Staphylococcus aureus</i> Infections in Mice with Obesity and Type 2 Diabetes from That in Mice with Type 1 Diabetes. <i>Infection and Immunity</i> , 2015, 83, 2264-2274.	2.2	38
70	A Diagnostic Serum Antibody Test for Patients With <i>Staphylococcus aureus</i> Osteomyelitis. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 2735-2749.	1.5	47
71	Hospital readmission after hip fracture. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2015, 135, 329-337.	2.4	72
72	Financial Implications of Hospital Readmission After Hip Fracture. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2015, 6, 140-146.	1.4	33

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73	A Guide to Improving the Care of Patients with Fragility Fractures, Edition 2. Geriatric Orthopaedic Surgery and Rehabilitation, 2015, 6, 58-120.	1.4	115
74	A novel murine model of established Staphylococcal bone infection in the presence of a fracture fixation plate to study therapies utilizing antibiotic-laden spacers after revision surgery. Bone, 2015, 72, 128-136.	2.9	53
75	A127: Validating Popliteal Lymph Node Phenotype and Bin Expansion as Biomarkers of Rheumatoid Arthritis Knee Flare in Clinical Pilot Studies. Arthritis and Rheumatology, 2014, 66, S166-S167.	5.6	1
76	Passive immunization with anti-glucosaminidase monoclonal antibodies protects mice from implant-associated osteomyelitis by mediating opsonophagocytosis of <i>Staphylococcus aureus</i> megaclusters. Journal of Orthopaedic Research, 2014, 32, 1389-1396.	2.3	68
77	Validation of GAITrite and PROMIS as high-throughput physical function outcome measures following ACL reconstruction. Journal of Orthopaedic Research, 2014, 32, 793-801.	2.3	83
78	Revision rates and cumulative financial burden in patients treated with hemiarthroplasty compared to cannulated screws after femoral neck fractures. Archives of Orthopaedic and Trauma Surgery, 2014, 134, 1667-1671.	2.4	11
79	Mortality and Financial Burden of Periprosthetic Fractures of the Femur. Geriatric Orthopaedic Surgery and Rehabilitation, 2014, 5, 147-153.	1.4	91
80	Mitigation and Education. Journal of Arthroplasty, 2014, 29, 19-25.	3.1	39
81	Anticoagulation Management in Individuals with Hip Fracture. Journal of the American Geriatrics Society, 2014, 62, 159-164.	2.6	44
82	Open Reduction and Internal Fixation Versus Hemiarthroplasty in the Management of Proximal Humerus Fractures. Geriatric Orthopaedic Surgery and Rehabilitation, 2014, 5, 56-62.	1.4	13
83	Lean Business Model and Implementation of a Geriatric Fracture Center. Clinics in Geriatric Medicine, 2014, 30, 191-205.	2.6	20
84	3D printing of composite calcium phosphate and collagen scaffolds for bone regeneration. Biomaterials, 2014, 35, 4026-4034.	11.4	710
85	Anti-Glucosaminidase IgG in Sera as a Biomarker of Host Immunity Against <i>Staphylococcus aureus</i> in Orthopaedic Surgery Patients. Journal of Bone and Joint Surgery - Series A, 2013, 95, e171.	3.0	27
86	Diagnosis and Treatment of Osteoporosis in High-Risk Patients Prior to Hip Fracture. Geriatric Orthopaedic Surgery and Rehabilitation, 2012, 3, 79-83.	1.4	22
87	Total Knee Arthroplasty Volume, Utilization, and Outcomes Among Medicare Beneficiaries, 1991-2010. JAMA - Journal of the American Medical Association, 2012, 308, 1227.	7.4	772
88	Barriers to Implementation of an Organized Geriatric Fracture Program. Geriatric Orthopaedic Surgery and Rehabilitation, 2012, 3, 8-16.	1.4	35
89	Outcome of the Dynamic Helical Hip Screw System for Intertrochanteric Hip Fractures in the Elderly Patients. Geriatric Orthopaedic Surgery and Rehabilitation, 2012, 3, 68-73.	1.4	11
90	The Impact of Comorbidity on Perioperative Outcomes of Hip Fractures in a Geriatric Fracture Model. Geriatric Orthopaedic Surgery and Rehabilitation, 2012, 3, 129-134.	1.4	71

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91	Factors Independently Associated With Complications and Length of Stay after Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2012, 27, 1832-1837.	3.1	76
92	Co-managed Care: The Gold Standard for Geriatric Fracture Care. <i>Current Osteoporosis Reports</i> , 2012, 10, 312-316.	3.6	10
93	Advances on the Masquelet technique using a cage and nail construct. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2012, 132, 245-248.	2.4	30
94	The epidemiology of sports-related injuries in older adults: a central European epidemiologic study. <i>Aging Clinical and Experimental Research</i> , 2012, 24, 448-54.	2.9	24
95	The Value of an Organized Fracture Program for the Elderly: Early Results. <i>Journal of Orthopaedic Trauma</i> , 2011, 25, 233-237.	1.4	108
96	Hip fracture management, before and beyond surgery and medication: a synthesis of the evidence. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2011, 131, 1519-1527.	2.4	23
97	A Guide to Improving the Care of Patients With Fragility Fractures. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2011, 2, 5-37.	1.4	84
98	Biomechanical Comparison of 2 Different Locking Plate Fixation Methods in Vancouver B1 Periprosthetic Femur Fractures. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2011, 2, 51-55.	1.4	16
99	The 1-Year Mortality of Patients Treated in a Hip Fracture Program for Elders. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2010, 1, 6-14.	1.4	337
100	Dementia and Hip Fractures. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2010, 1, 52-62.	1.4	96
101	Prevention and Clinical Management of Hip Fractures in Patients With Dementia. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2010, 1, 63-72.	1.4	27
102	Comparison of an Organized Geriatric Fracture Program to United States Government Data. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2010, 1, 15-21.	1.4	59
103	A Novel Method of Ring Removal From the Aging Finger. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2010, 1, 78-79.	1.4	6
104	Geriatric Co-management of Proximal Femur Fractures: Total Quality Management and Protocol-Driven Care Result in Better Outcomes for a Frail Patient Population. <i>Journal of the American Geriatrics Society</i> , 2008, 56, 1349-1356.	2.6	285
105	Advances in the medical management of osteoporosis. <i>Injury</i> , 2007, 38, 17-23.	1.7	32
106	The Role of Computerized Tomography in the Diagnosis of an Occult Femoral Neck Fracture Associated with an Ipsilateral Femoral Shaft Fracture. <i>Journal of Trauma</i> , 1991, 31, 296-298.	2.3	1
107	Evidence of Neutralizing and Non-Neutralizing Anti-Glucosaminidase Antibodies in Patients With <i>S. Aureus</i> Osteomyelitis and Their Association With Clinical Outcome Following Surgery in a Clinical Pilot. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	3.9	2