

Peter K Sculco

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

2,339
citations

201385

27
h-index

264894

42
g-index

105
all docs

105
docs citations

105
times ranked

1908
citing authors

#	ARTICLE	IF	CITATIONS
1	The Diagnosis and Treatment of Acetabular Bone Loss in Revision Hip Arthroplasty: An International Consensus Symposium. <i>HSS Journal</i> , 2022, 18, 8-41.	0.7	12
2	Patients Who Undergo Early Aseptic Revision TKA Within 90 Days of Surgery Have a High Risk of Re-revision and Infection at 2 Years: A Large-database Study. <i>Clinical Orthopaedics and Related Research</i> , 2022, 480, 495-503.	0.7	6
3	Polyethylene liner cementation into a well-fixed metal acetabular shell for the management of periacetabular osteolysis: a systematic review. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2022, 32, 1459-1468.	0.6	2
4	Development and Internal Validation of Machine Learning Algorithms for Predicting Hyponatremia After TJA. <i>Journal of Bone and Joint Surgery - Series A</i> , 2022, 104, 265-270.	1.4	5
5	Efficacy and Applications of Artificial Intelligence and Machine Learning Analyses in Total Joint Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2022, 104, 821-832.	1.4	16
6	The journey to preventing dislocation after total hip arthroplasty. <i>Bone and Joint Journal</i> , 2022, 104-B, 8-11.	1.9	11
7	The Use of Technology to Achieve the Functional Acetabular Safe Zone in Total Hip Arthroplasty. <i>JBJS Reviews</i> , 2022, 10, .	0.8	1
8	Avoiding Femoral Canal Instrumentation in Computer-Assisted Total Knee Arthroplasty With Contemporary Blood Management Had Minimal Differences in Blood Loss and Transfusion Rates Compared to Conventional Techniques. <i>Journal of Arthroplasty</i> , 2022, , .	1.5	0
9	Computer Navigation for Revision Total Hip Arthroplasty Reduces Dislocation Rates. <i>Indian Journal of Orthopaedics</i> , 2022, 56, 1061-1065.	0.5	4
10	A Mid-Level Constrained Insert Reduces Coupled Axial Rotation but Not Coronal Mid-Flexion Laxity Induced by Joint Line Elevation in Posterior-Stabilized Total Knee Arthroplasty: A Computational Study. <i>Journal of Arthroplasty</i> , 2022, 37, S364-S370.e1.	1.5	4
11	Perioperative Use of Antifibrotic Medications Associated With Lower Rate of Manipulation After Primary TKA: An Analysis of 101,366 Patients. <i>Journal of Arthroplasty</i> , 2022, 37, S1010-S1015.e1.	1.5	6
12	Arthroplasty Surgeons Differ in Their Intraoperative Soft Tissue Assessments: A Study in Human Cadavers to Quantify Surgical Decision-making in TKA. <i>Clinical Orthopaedics and Related Research</i> , 2022, 480, 1604-1615.	0.7	3
13	Identification of biological risk factors for persistent postoperative pain after total knee arthroplasty. <i>Regional Anesthesia and Pain Medicine</i> , 2022, 47, 161-166.	1.1	8
14	Abnormal spinopelvic mobility as a risk factor for acetabular placement error in total hip arthroplasty using optical computer-assisted surgical navigation system. <i>Bone & Joint Open</i> , 2022, 3, 475-484.	1.1	6
15	Efficacy of Arthroscopic Arthrolysis in the Treatment of Arthrofibrosis: A Systematic Review. <i>Journal of Knee Surgery</i> , 2021, 34, 1349-1354.	0.9	12
16	Cervical spine degenerative disease is an independent risk factor for increased revision rate following total knee arthroplasty. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2021, 31, 511-516.	0.6	1
17	Prior Knee Arthroscopy Increases the Failure Rate of Subsequent Unicompartmental Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2021, 36, 1556-1561.e1.	1.5	4
18	Simultaneous Bilateral Primary Total Knee Arthroplasty With TXA and Restrictive Transfusion Protocols: Still a 1 in 5 Risk of Allogeneic Transfusion. <i>Journal of Arthroplasty</i> , 2021, 36, 1318-1321.	1.5	11

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19	Preoperative estimated glomerular filtration rate is a marker for postoperative complications following aseptic revision total hip arthroplasty. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2021, 31, 175-182.	0.6	18
20	Impact of Chronic Obstructive Pulmonary Disease on Postoperative Complications Following Simultaneous Bilateral Total Knee Arthroplasty. <i>Journal of Knee Surgery</i> , 2021, 34, 322-327.	0.9	14
21	Periprosthetic Fractures Through Tracking Pin Sites Following Computer Navigated and Robotic Total and Unicompartamental Knee Arthroplasty. <i>JBJS Reviews</i> , 2021, 9, e20.00091.	0.8	28
22	Periprosthetic Joint Infection Is Associated with an Increased Risk of Venous Thromboembolism Following Revision Total Knee Replacement. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 1312-1318.	1.4	6
23	Safety and outcome of simultaneous bilateral unicompartamental knee arthroplasty: A systematic review. <i>Journal of Orthopaedics</i> , 2021, 24, 58-64.	0.6	5
24	Nonconcentric and Irregular Dislocations of Total Hip Arthroplasties: Radiographic Analysis and Review of the Literature. <i>Journal of Emergency Medicine</i> , 2021, 60, 451-459.	0.3	3
25	Early Survivorship of Newly Designed Highly Porous Metaphyseal Tibial Cones in Revision Total Knee Arthroplasty. <i>Arthroplasty Today</i> , 2021, 8, 5-10.	0.8	16
26	Total knee arthroplasty in dialysis patients: Is it safe? A systematic review of the literature. <i>Journal of Orthopaedics</i> , 2021, 25, 199-206.	0.6	5
27	Simulation of preoperative flexion contracture in a computational model of total knee arthroplasty: Development and evaluation. <i>Journal of Biomechanics</i> , 2021, 120, 110367.	0.9	5
28	Is There an Association Between Negative Patient-Experience Comments and Perioperative Outcomes After Primary Total Hip Arthroplasty?. <i>Journal of Arthroplasty</i> , 2021, 36, 2016-2023.	1.5	4
29	Differences in time to return to work among patients undergoing simultaneous versus staged bilateral total knee arthroplasty. <i>Bone and Joint Journal</i> , 2021, 103-B, 108-112.	1.9	9
30	Additional distal femoral resection increases mid-flexion coronal laxity in posterior-stabilized total knee arthroplasty with flexion contracture. <i>Bone and Joint Journal</i> , 2021, 103-B, 87-93.	1.9	15
31	Mental Health in Patients Undergoing Orthopaedic Surgery. <i>JBJS Reviews</i> , 2021, 9, .	0.8	7
32	Sequencing of Circulating Microbial Cell-Free DNA Can Identify Pathogens in Periprosthetic Joint Infections. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 1705-1712.	1.4	17
33	Irrigation and Debridement With Implant Retention: Does Chronicity of Symptoms Matter?. <i>Journal of Arthroplasty</i> , 2021, 36, 3741-3749.	1.5	7
34	Accuracy of acetabular cup placement positively correlates with level of training. <i>International Orthopaedics</i> , 2021, 45, 2797-2804.	0.9	4
35	Artificial neural network prediction of same-day discharge following primary total knee arthroplasty based on preoperative and intraoperative variables. <i>Bone and Joint Journal</i> , 2021, 103-B, 1358-1366.	1.9	18
36	How Does Contact Length Impact Titanium Tapered Splined Stem Stability: A Biomechanical Matched Pair Cadaveric Study. <i>Journal of Arthroplasty</i> , 2021, 36, 3333-3339.	1.5	4

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37	Comparison of Revision Risk Based on Timing of Knee Arthroscopy Prior to Total Knee Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 660-667.	1.4	17
38	Templating for Total Hip Arthroplasty in the Modern Age. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2021, 29, e208-e216.	1.1	15
39	Serum Metal Ions in Contemporary Monoblock and Modular Dual Mobility Articulations. <i>Arthroplasty Today</i> , 2021, 12, 51-56.	0.8	8
40	Preoperative spinopelvic hypermobility resolves following total hip arthroplasty. <i>Bone and Joint Journal</i> , 2021, 103-B, 1766-1773.	1.9	23
41	Rotating Hinge Revision Total Knee Arthroplasty for Severe Arthrofibrosis. <i>JBJS Essential Surgical Techniques</i> , 2021, 11, .	0.3	3
42	Acetabular Component and Liner Selection for the Prevention of Dislocation After Primary Total Hip Arthroplasty. <i>JBJS Reviews</i> , 2021, 9, .	0.8	8
43	Postoperative Complications and Impact of Diabetes Mellitus Severity on Revision Total Knee Arthroplasty. <i>Journal of Knee Surgery</i> , 2020, 33, 228-234.	0.9	21
44	Prior Knee Arthroscopy Is Associated With Increased Risk of Revision After Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2020, 35, 100-104.	1.5	45
45	Outcomes of Acetabular Reconstructions for the Management of Chronic Pelvic Discontinuity: A Systematic Review. <i>Journal of Arthroplasty</i> , 2020, 35, 1145-1153.e2.	1.5	31
46	Soft-Tissue Balancing Technology for Total Knee Arthroplasty. <i>JBJS Reviews</i> , 2020, 8, e0050-e0050.	0.8	18
47	Reconstruction options and outcomes for acetabular bone loss in revision hip arthroplasty. <i>Orthopedic Reviews</i> , 2020, 12, 8655.	0.3	10
48	Serum metal ion levels in modular dual mobility acetabular components: A systematic review. <i>Journal of Orthopaedics</i> , 2020, 21, 432-437.	0.6	21
49	Surgical Approach and Reaming Depth Influence the Direction and Magnitude of Acetabular Center of Rotation Changes During Total Hip Arthroplasty. <i>Arthroplasty Today</i> , 2020, 6, 414-421.	0.8	7
50	A geometric ratio to predict the flexion gap in total knee arthroplasty. <i>Journal of Orthopaedic Research</i> , 2020, 38, 1637-1645.	1.2	5
51	Robots in the Operating Room During Hip and Knee Arthroplasty. <i>Current Reviews in Musculoskeletal Medicine</i> , 2020, 13, 309-317.	1.3	48
52	Preoperative hyponatremia is an independent risk factor for postoperative complications in aseptic revision hip and knee arthroplasty. <i>Journal of Orthopaedics</i> , 2020, 20, 224-227.	0.6	7
53	Stiffness After Total Knee Arthroplasty: Is It a Result of Spinal Deformity?. <i>Journal of Arthroplasty</i> , 2020, 35, S330-S335.	1.5	16
54	Abductor Deficiency-Induced Recurrent Instability After Total Hip Arthroplasty. <i>JBJS Reviews</i> , 2020, 8, e0164-e0164.	0.8	24

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55	Postoperative Serum Cytokine Levels Are Associated With Early Stiffness After Total Knee Arthroplasty: A Prospective Cohort Study. <i>Journal of Arthroplasty</i> , 2020, 35, S336-S347.	1.5	19
56	Highly Porous Titanium Acetabular Components in Primary and Revision Total Hip Arthroplasty: A Systematic Review. <i>Journal of Arthroplasty</i> , 2020, 35, 1737-1749.	1.5	32
57	High Rate of Early Intraprosthetic Dislocations of Dual Mobility Implants: A Single Surgeon Series of Primary and Revision Total Hip Replacements. <i>Journal of Arthroplasty</i> , 2019, 34, 2793-2798.	1.5	42
58	Complications associated with staged versus simultaneous bilateral total knee arthroplasty: An analysis of 7747 patients. <i>Knee</i> , 2019, 26, 1096-1101.	0.8	39
59	Neither Anterior nor Posterior Referencing Consistently Balances the Flexion Gap in Measured Resection Total Knee Arthroplasty: A Computational Analysis. <i>Journal of Arthroplasty</i> , 2019, 34, 981-986.e1.	1.5	5
60	Survivorship and Clinical Outcomes of Custom Triflange Acetabular Components in Revision Total Hip Arthroplasty: A Systematic Review. <i>Journal of Arthroplasty</i> , 2019, 34, 2511-2518.	1.5	62
61	Posterior condylar bone resection and femoral implant thickness vary by up to 3Âmm across implant systems: implications for flexion gap balancing. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 2140-2144.	2.3	2
62	Comparing the Safety and Outcome of Simultaneous and Staged Bilateral Total Knee Arthroplasty in Contemporary Practice: A Systematic Review of the Literature. <i>Journal of Arthroplasty</i> , 2019, 34, 1531-1537.	1.5	34
63	Comparison of pharmacologic prophylaxis in prevention of venous thromboembolism following total knee arthroplasty. <i>Knee</i> , 2019, 26, 451-458.	0.8	10
64	Comparison of Infection Risk with Corticosteroid or Hyaluronic Acid Injection Prior to Total Knee Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 112-118.	1.4	75
65	Accuracy and Precision of Acetabular Component Placement With Imageless Navigation in Obese Patients. <i>Journal of Arthroplasty</i> , 2019, 34, 693-699.	1.5	16
66	Preoperative Estimated Glomerular Filtration Rate Is a Marker for Postoperative Complications Following Revision Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2019, 34, 750-754.	1.5	10
67	Femoral Head Vascularity: Implications Following Trauma and Surgery About the Hip. <i>Orthopedics</i> , 2019, 42, 250-257.	0.5	10
68	Otto Aufranc Award: Dual-mobility Constructs in Revision THA Reduced Dislocation, Rerevision, and Reoperation Compared With Large Femoral Heads. <i>Clinical Orthopaedics and Related Research</i> , 2018, 476, 293-301.	0.7	104
69	Response to letter to the editor on "Early intraprosthetic dislocation in dual-mobility implants: a systematic review". <i>Arthroplasty Today</i> , 2018, 4, 133-134.	0.8	0
70	Efficacy of Manipulation Under Anesthesia for Stiffness Following Total Knee Arthroplasty: A Systematic Review. <i>Journal of Arthroplasty</i> , 2018, 33, 1598-1605.	1.5	32
71	Efficacy of Revision Surgery for the Treatment of Stiffness After Total Knee Arthroplasty: A Systematic Review. <i>Journal of Arthroplasty</i> , 2018, 33, 3049-3055.	1.5	22
72	Femoral Component External Rotation Affects Knee Biomechanics: A Computational Model of Posterior-stabilized TKA. <i>Clinical Orthopaedics and Related Research</i> , 2018, 476, 113-123.	0.7	13

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73	Revision Total Knee Arthroplasty for Periprosthetic Joint Infection Is Associated With Increased Postoperative Morbidity and Mortality Relative to Noninfectious Revisions. <i>Journal of Arthroplasty</i> , 2018, 33, 521-526.	1.5	145
74	Total Hip Arthroplasty Patients With Fixed Spinopelvic Alignment Are at Higher Risk of Hip Dislocation. <i>Journal of Arthroplasty</i> , 2018, 33, 1449-1454.	1.5	170
75	Optimizing leg length and cup position: A surgical navigation tool. <i>Seminars in Arthroplasty</i> , 2018, 29, 157-160.	0.3	1
76	The Impact of Chronic Obstructive Pulmonary Disease on Postoperative Outcomes in Patients Undergoing Revision Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2018, 33, 2956-2960.	1.5	23
77	Uncemented Femoral Revision: Cylindrical Extensively Porous-Coated and Titanium Fluted Tapered Femoral Stems. , 2018, , 707-761.		1
78	Type of Anticoagulant Used After Total Knee Arthroplasty Affects the Rate of Knee Manipulation for Postoperative Stiffness. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, 1366-1372.	1.4	17
79	Minimal Increase in Total Hip Arthroplasty Surgical Procedural Time with the Use of a Novel Surgical Navigation Tool. <i>The Open Orthopaedics Journal</i> , 2018, 12, 389-395.	0.1	19
80	Continued Inpatient Care After Primary Total Knee Arthroplasty Increases 30-Day Post-Discharge Complications: A Propensity Score-Adjusted Analysis. <i>Journal of Arthroplasty</i> , 2017, 32, S113-S118.	1.5	44
81	A Novel Percentage-Based System for Determining Aseptic Loosening of Total Knee Arthroplasty Tibial Components. <i>Journal of Arthroplasty</i> , 2017, 32, 2274-2278.	1.5	21
82	Early intraprosthesis dislocation in dual-mobility implants: a systematic review. <i>Arthroplasty Today</i> , 2017, 3, 197-202.	0.8	74
83	The Evolution of the Cup-Cage Technique for Major Acetabular Defects. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, 1104-1110.	1.4	53
84	Quantitative Assessment of Femoral Head Perfusion Following Arthroscopic Femoral Osteochondroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, 2094-2102.	1.4	7
85	Prevention and Treatment of Limb-Length Discrepancy in Total Hip Arthroplasty. , 2017, , 89-96.		2
86	Total Knee Arthroplasty Using Cementless Porous Tantalum Monoblock Tibial Component: A Minimum 10-Year Follow-Up. <i>Journal of Arthroplasty</i> , 2016, 31, 2193-2198.	1.5	46
87	A Vessel-Preserving Surgical Hip Dislocation Through a Modified Posterior Approach. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, 475-483.	1.4	22
88	Anteroposterior Radiographs Are More Accurate than Cross-Table Lateral Radiographs for Acetabular Anteversion Assessment: a Retrospective Cohort Study. <i>HSS Journal</i> , 2016, 12, 32-38.	0.7	11
89	Multiple Irrigation and Debridements for Periprosthetic Joint Infections: Facing a Necessity or Just Prolonging the Inevitable?. <i>Journal of Arthroplasty</i> , 2016, 31, 219-224.	1.5	15
90	Preventing Leg Length Discrepancy and Instability After Total Hip Arthroplasty. <i>Instructional Course Lectures</i> , 2016, 65, 225-41.	0.2	9

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91	Management of Femoral Bone Loss in Revision Total Hip Arthroplasty. <i>HIP International</i> , 2015, 25, 380-387.	0.9	27
92	Periprosthetic Knee Infections Treated with Irrigation and Debridement: Outcomes and Preoperative Predictive Factors. <i>Journal of Arthroplasty</i> , 2015, 30, 649-657.	1.5	55
93	Perioperative Solutions for Rapid Recovery Joint Arthroplasty: Get Ahead and Stay Ahead. <i>Journal of Arthroplasty</i> , 2015, 30, 518-520.	1.5	60
94	Irrigation and debridement for periprosthetic infections of the hip and factors determining outcome. <i>International Orthopaedics</i> , 2015, 39, 1203-1209.	0.9	46
95	Tantalum Cones Provide Durable Mid-term Fixation in Revision TKA. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 3176-3182.	0.7	56
96	Patient-Reported Allergies Are Associated With Poorer Patient Satisfaction and Outcomes After Lower Extremity Arthroplasty: A Retrospective Cohort Study. <i>Journal of Arthroplasty</i> , 2015, 30, 1132-1136.	1.5	35
97	Targeting a New Safe Zone: A Step in the Development of Patient-Specific Component Positioning for Total Hip Arthroplasty. <i>American Journal of Orthopedics</i> , 2015, 44, 270-6.	0.7	17
98	Periprosthetic Joint Infections Treated with Two-Stage Revision over 14Years: An Evolving Microbiology Profile. <i>Journal of Arthroplasty</i> , 2014, 29, 877-882.	1.5	91
99	The Increased Total Cost Associated With Post-Operative Drains in Total Hip and Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2014, 29, 895-899.	1.5	41
100	Assessment of Femoral Head and Head-Neck Junction Perfusion Following Surgical Hip Dislocation Using Gadolinium-Enhanced Magnetic Resonance Imaging. <i>Journal of Bone and Joint Surgery - Series A</i> , 2013, 95, e182.	1.4	30
101	Leg-length Inequalities Following THA Based on Surgical Technique. <i>Orthopedics</i> , 2013, 36, e395-400.	0.5	33
102	Acetabular Component Positioning in Primary THA via an Anterior, Posterolateral, or Posterolateral-navigated Surgical Technique. <i>Orthopedics</i> , 2013, 36, e1482-7.	0.5	15
103	Trabecular Metal Augments for Treatment of Acetabular Defects: A Systematic Review. <i>The Journal of Hip Surgery</i> , 0, 05, .	0.1	0
104	Characterizing the Magnitude of and Risk Factors for Functional Limb Lengthening in Patients Undergoing Primary Total Knee Arthroplasty. <i>HSS Journal</i> , 0, , 155633162110091.	0.7	2