Heather S Haeberle

List of Publications by Year
in descending order

58 papers	1,891 citations	236833 25 h-index	276775 41 g-index
62 all docs	62 docs citations	62 times ranked	1417 citing authors

#	Article	IF	Citations
1	Artificial Intelligence for Automated Implant Identification in Total Hip Arthroplasty: A Multicenter External Validation Study Exceeding Two Million Plain Radiographs. Journal of Arthroplasty, 2023, 38, 1998-2003.e1.	1.5	12
2	Sports Medicine and Artificial Intelligence: A Primer. American Journal of Sports Medicine, 2022, 50, 1166-1174.	1.9	33
3	Pectoralis Muscle Injuries in Major and Minor League Baseball. Journal of Shoulder and Elbow Surgery, 2022, , .	1.2	0
4	Brachial Plexopathy following Shoulder Arthroplasty. Seminars in Arthroplasty, 2022, , .	0.3	0
5	Artificial Intelligence to Identify Arthroplasty Implants From Radiographs of the Knee. Journal of Arthroplasty, 2021, 36, 935-940.	1.5	49
6	Artificial Intelligence to Identify Arthroplasty Implants From Radiographs of the Hip. Journal of Arthroplasty, 2021, 36, S290-S294.e1.	1.5	64
7	Clinical and Research Medical Applications of Artificial Intelligence. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2021, 37, 1694-1697.	1.3	55
8	Association Between Preoperative Mental Health and Clinically Meaningful Outcomes After Osteochondral Allograft for Cartilage Defects of the Knee: A Machine Learning Analysis. American Journal of Sports Medicine, 2021, 49, 948-957.	1.9	18
9	Response to Letter to the Editor on â€œArtificial Intelligence to Identify Arthroplasty Implants From Radiographs of the Hipâ€. Journal of Arthroplasty, 2021, 36, e28-e29.	1.5	2
10	Effect of Preoperative Imaging and Patient Factors on Clinically Meaningful Outcomes and Quality of Life After Osteochondral Allograft Transplantation: A Machine Learning Analysis of Cartilage Defects of the Knee. American Journal of Sports Medicine, 2021, 49, 2177-2186.	1.9	18
11	Predicting the Risk of Subsequent Hip Surgery Before Primary Hip Arthroscopy for Femoroacetabular Impingement Syndrome: A Machine Learning Analysis of Preoperative Risk Factors in Hip Preservation. American Journal of Sports Medicine, 2021, 49, 2668-2676.	1.9	10
12	Evaluation of the volume-value relationship in hip fracture care using evidence-based thresholds. HIP International, 2020, 30, 347-353.	0.9	3
13	Can a machine learning model accurately predict patient resource utilization following lumbar spinal fusion?. Spine Journal, 2020, 20, 329-336.	0.6	26
14	Machine Learning Outperforms Logistic Regression Analysis to Predict Next-Season NHL Player Injury: An Analysis of 2322 Players From 2007 to 2017. Orthopaedic Journal of Sports Medicine, 2020, 8, 232596712095340.	0.8	26
15	The value of artificial neural networks for predicting length of stay, discharge disposition, and inpatient costs after anatomic and reverse shoulder arthroplasty. Journal of Shoulder and Elbow Surgery, 2020, 29, 2385-2394.	1.2	39
16	Radiographic Indices Are Not Predictive of Clinical Outcomes Among 1735 Patients Indicated for Hip Arthroscopic Surgery: A Machine Learning Analysis. American Journal of Sports Medicine, 2020, 48, 2910-2918.	1.9	13
17	Machine Learning Outperforms Regression Analysis to Predict Next-Season Major League Baseball Player Injuries: Epidemiology and Validation of 13,982 Player-Years From Performance and Injury Profile Trends, 2000-2017. Orthopaedic Journal of Sports Medicine, 2020, 8, 232596712096304.	0.8	27
18	Response to letter to the editor on â€œSignificance of external validation in clinical machine learning: let loose too early?â€. Spine Journal, 2020, 20, 1161-1162.	0.6	3

#	Article	IF	Citations
19	Machine Learning and Artificial Intelligence: Definitions, Applications, and Future Directions. Current Reviews in Musculoskeletal Medicine, 2020, 13, 69-76.	1.3	242
20	Concussion in American Versus European Professional Soccer: A Decade-Long Comparative Analysis of Incidence, Return to Play, Performance, and Longevity. American Journal of Sports Medicine, 2019, 47, 2287-2293.	1.9	13
21	Predicting Inpatient Payments Prior to Lower Extremity Arthroplasty Using Deep Learning: Which Model Architecture Is Best?. Journal of Arthroplasty, 2019, 34, 2235-2241.e1.	1.5	30
22	Short-term outcomes after anatomic total shoulder arthroplasty in patients with osteoarthritis versus osteonecrosis. Annals of Translational Medicine, 2019, 7, 48-48.	0.7	2
23	Hip Arthroscopy: A Social Media Analysis of Patient Perception. Orthopaedic Journal of Sports Medicine, 2019, 7, 232596711985418.	0.8	31
24	Artificial Intelligence and Arthroplasty at a Single Institution: Real-World Applications of Machine Learning to Big Data, Value-Based Care, Mobile Health, and Remote Patient Monitoring. Journal of Arthroplasty, 2019, 34, 2204-2209.	1.5	64
25	Deep Learning Preoperatively Predicts Value Metrics for Primary Total Knee Arthroplasty: Development and Validation of an Artificial Neural Network Model. Journal of Arthroplasty, 2019, 34, 2220-2227.e1.	1.5	73
26	Artificial Intelligence and Machine Learning in Lower Extremity Arthroplasty: A Review. Journal of Arthroplasty, 2019, 34, 2201-2203.	1.5	91
27	Preoperative Prediction of Value Metrics and a Patient-Specific Payment Model for Primary Total Hip Arthroplasty: Development and Validation of a Deep Learning Model. Journal of Arthroplasty, 2019, 34, 2228-2234.e1.	1.5	55
28	Clinical Utility of an MRI-Based Classification System for Operative Versus Nonoperative Management of Ulnar Collateral Ligament Tears: A 2-Year Follow-up Study. Orthopaedic Journal of Sports Medicine, 2019, 7, 232596711983978.	0.8	17
29	Remote Patient Monitoring Using Mobile Health for Total Knee Arthroplasty: Validation of a Wearable and Machine Learning–Based Surveillance Platform. Journal of Arthroplasty, 2019, 34, 2253-2259.	1.5	109
30	Epidemiology and Impact of Prior Musculoskeletal Injury and Orthopaedic Surgery on Draft Rank, Availability, and Short-term Performance in Major League Baseball: A Summary Analysis and Matched Cohort of 1890 Predraft Players. Orthopaedic Journal of Sports Medicine, 2019, 7, 232596711984426.	0.8	2
31	Prognostic utility of an magnetic resonance imaging-based classification for operative versus nonoperative management of ulnar collateral ligament tears: one-year follow-up. Journal of Shoulder and Elbow Surgery, 2019, 28, 1159-1165.	1.2	15
32	Optimizing the Volume–Value Relationship in Laminectomy. Spine, 2019, 44, 659-669.	1.0	4
33	Response to Letter to the Editor on "Machine Learning and Primary Total Knee Arthroplasty: Patient Forecasting for a Patient-Specific Payment Model". Journal of Arthroplasty, 2019, 34, 1041-1043.	1.5	1
34	Bundled Care for Hip Fractures: A Machine-Learning Approach to an Untenable Patient-Specific Payment Model. Journal of Orthopaedic Trauma, 2019, 33, 324-330.	0.7	42
35	Development and Validation of a Machine Learning Algorithm After Primary Total Hip Arthroplasty: Applications to Length of Stay and Payment Models. Journal of Arthroplasty, 2019, 34, 632-637.	1.5	99
36	Discharge to the skilled nursing facility: patient risk factors and perioperative outcomes after total knee arthroplasty. Annals of Translational Medicine, 2019, 7, 65-65.	0.7	26

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37	Stratum-Specific Likelihood Ratio Analysis: An Evidence-Based and Pragmatic Approach to Meaningful Thresholds in Lower Extremity Arthroplasty. Surgical Technology International, 2019, 34, 415-420.	0.1	3
38	The Effects of Space Microgravity on Hip and Knee Cartilage: A New Frontier in Orthopaedics. Surgical Technology International, 2019, 35, 421-425.	0.1	0
39	Reduced bone loss in a murine model of postmenopausal osteoporosis lacking complement component 3. Journal of Orthopaedic Research, 2018, 36, 118-128.	1.2	18
40	Evidence-Based Thresholds for the Volume and Length of Stay Relationship in Total Hip Arthroplasty: Outcomes and Economies of Scale. Journal of Arthroplasty, 2018, 33, 2031-2037.	1.5	31
41	Evidence-Based Thresholds for the Volume and Cost Relationship in Total Hip Arthroplasty: Outcomes and Economies of Scale. Journal of Arthroplasty, 2018, 33, 2398-2404.	1.5	11
42	No Difference in Outcomes 12 and 24 Months After Lower Extremity Total Joint Arthroplasty: A Systematic Review and Meta-Analysis. Journal of Arthroplasty, 2018, 33, 2322-2329.	1.5	57
43	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.	1.2	29
44	Short-Term Impact of Concussion in the NHL: An Analysis of Player Longevity, Performance, and Financial Loss. Journal of Neurotrauma, 2018, 35, 2391-2399.	1.7	17
45	Short-Term Outcomes of Concussions in Major League Baseball: A Historical Cohort Study of Return to Play, Performance, Longevity, and Financial Impact. Orthopaedic Journal of Sports Medicine, 2018, 6, 232596711881423.	0.8	11
46	Machine Learning and Primary Total Knee Arthroplasty: Patient Forecasting for a Patient-Specific Payment Model. Journal of Arthroplasty, 2018, 33, 3617-3623.	1.5	115
47	The Volume-Value Relationship in Shoulder Arthroplasty. Orthopedic Clinics of North America, 2018, 49, 519-525.	0.5	12
48	Prevalence and Epidemiology of Injuries Among Elite Cyclists in the Tour de France. Orthopaedic Journal of Sports Medicine, 2018, 6, 232596711879339.	0.8	20
49	Social Media in Shoulder & Elbow Surgery: An Analysis of Twitter and Instagram. International Journal of Sports Medicine, 2018, 39, 564-570.	0.8	36
50	The Orthopaedic Surgery Residency Application Process: An Analysis of the Applicant Experience. Journal of the American Academy of Orthopaedic Surgeons, The, 2018, 26, 537-544.	1.1	45
51	Fixed and Variable Relationship Models to Define the Volume-Value Relationship in Spinal Fusion Surgery: A Macroeconomic Analysis Using Evidence-Based Thresholds. Neurospine, 2018, 15, 249-260.	1.1	7
52	The Evidence Behind Peroxide in Orthopedic Surgery. Orthopedics, 2018, 41, e756-e764.	0.5	0
53	Social Media and Total Joint Arthroplasty: An Analysis of Patient Utilization on Instagram. Journal of Arthroplasty, 2017, 32, 2694-2700.	1.5	50
54	Cellular therapy injections in today's orthopedic market: A social media analysis. Cytotherapy, 2017, 19, 1392-1399.	0.3	23

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55	Evidence-based thresholds for the volume-value relationship in shoulder arthroplasty: outcomes and economies of scale. Journal of Shoulder and Elbow Surgery, 2017, 26, 1399-1406.	1.2	34
56	Short-term Outcomes Following Concussion in the NFL: A Study of Player Longevity, Performance, and Financial Loss. Orthopaedic Journal of Sports Medicine, 2017, 5, 232596711774084.	0.8	35
57	Social Media and Pediatric Scoliosis: An Analysis of Patient and Surgeon Use. Surgical Technology International, 2017, 31, 189-196.	0.1	20
58	No Evidence of Increased Infection Risk with Forced-Air Warming Devices: A Systematic Review. Surgical Technology International, 2017, 31, 295-301.	0.1	3