

# Shawn C Roll

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

1,397  
citations

471509

17  
h-index

377865

34  
g-index

78  
all docs

78  
docs citations

78  
times ranked

1050  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of Working From Home During COVID-19 Pandemic on Physical and Mental Well-Being of Office Workstation Users. <i>Journal of Occupational and Environmental Medicine</i> , 2021, 63, 181-190.	1.7	372
2	Diagnostic Accuracy of Ultrasonography VS. Electromyography in Carpal Tunnel Syndrome: A Systematic Review of Literature. <i>Ultrasound in Medicine and Biology</i> , 2011, 37, 1539-1553.	1.5	98
3	Working from home during the COVID-19 pandemic: Impact on office worker productivity and work experience. <i>Work</i> , 2021, 69, 1171-1189.	1.1	86
4	Effectiveness of Occupational Therapy Interventions for Adults With Musculoskeletal Conditions of the Forearm, Wrist, and Hand: A Systematic Review. <i>American Journal of Occupational Therapy</i> , 2017, 71, 7101180010p1-7101180010p12.	0.3	55
5	Screening for Carpal Tunnel Syndrome Using Sonography. <i>Journal of Ultrasound in Medicine</i> , 2011, 30, 1657-1667.	1.7	47
6	Relationship Between Intraneural Vascular Flow Measured With Sonography and Carpal Tunnel Syndrome Diagnosis Based on Electrodiagnostic Testing. <i>Journal of Ultrasound in Medicine</i> , 2012, 31, 729-736.	1.7	44
7	Effectiveness of Occupational Therapy Interventions for Musculoskeletal Shoulder Conditions: A Systematic Review. <i>American Journal of Occupational Therapy</i> , 2017, 71, 7101180020p1-7101180020p11.	0.3	33
8	A pilot study to precisely quantify forces applied by sonographers while scanning: A step toward reducing ergonomic injury. <i>Work</i> , 2017, 58, 241-247.	1.1	33
9	An analysis of occupational factors related to shoulder discomfort in diagnostic medical sonographers and vascular technologists. <i>Work</i> , 2012, 42, 355-365.	1.1	27
10	Mindfulness Interventions in Physical Rehabilitation: A Scoping Review. <i>American Journal of Occupational Therapy</i> , 2016, 70, 7003290030p1-7003290030p9.	0.3	27
11	Hand therapy interventions, outcomes, and diagnoses evaluated over the last 10 years: A mapping review linking research to practice. <i>Journal of Hand Therapy</i> , 2019, 32, 1-9.	1.5	27
12	Intelligent Agents to Improve Thermal Satisfaction by Controlling Personal Comfort Systems Under Different Levels of Automation. <i>IEEE Internet of Things Journal</i> , 2021, 8, 7089-7100.	8.7	26
13	Negotiating Time and Space When Working From Home: Experiences During COVID-19. <i>OTJR Occupation, Participation and Health</i> , 2021, 41, 223-231.	0.8	25
14	Contribution of positioning to work-related musculoskeletal discomfort in diagnostic medical sonographers. <i>Work</i> , 2014, 47, 253-260.	1.1	24
15	Smart Desks to Promote Comfort, Health, and Productivity in Offices: A Vision for Future Workplaces. <i>Frontiers in Built Environment</i> , 2019, 5, .	2.3	23
16	Prevention and rehabilitation of musculoskeletal disorders in oral health care professionals. <i>Journal of the American Dental Association</i> , 2019, 150, 489-502.	1.5	20
17	Worker Perspectives on Incorporating Artificial Intelligence into Office Workspaces: Implications for the Future of Office Work. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1690.	2.6	19
18	Applications of Head-Mounted Displays for Virtual Reality in Adult Physical Rehabilitation: A Scoping Review. <i>American Journal of Occupational Therapy</i> , 2020, 74, 7405205060p1-7405205060p15.	0.3	18

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19	Feasibility of Using a Hand-Carried Sonographic Unit for Investigating Median Nerve Pathology. <i>Journal of Diagnostic Medical Sonography</i> , 2009, 25, 241-249.	0.3	16
20	Morphologic Characterization of Intraneural Flow Associated With Median Nerve Pathology. <i>Journal of Diagnostic Medical Sonography</i> , 2012, 28, 11-19.	0.3	15
21	Carpal tunnel syndrome severity staging using sonographic and clinical measures. <i>Muscle and Nerve</i> , 2015, 51, 838-845.	2.2	15
22	A Holistic Evaluation of Risk Factors for Work-Related Musculoskeletal Distress Among Asymptomatic Sonographers Performing Neurosonology. <i>Journal of Diagnostic Medical Sonography</i> , 2010, 26, 64-78.	0.3	14
23	Validation of the National Aeronautics and Space Administration Task Load Index (NASA-TLX) adapted for the whole day repeated measures context. <i>Ergonomics</i> , 2022, 65, 960-975.	2.1	14
24	Understanding Worker Well-Being Relative to High-Workload and Recovery Activities across a Whole Day: Pilot Testing an Ecological Momentary Assessment Technique. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10354.	2.6	12
25	Comparative efficacy of the dorsal application of Kinesio tape and splinting for carpal tunnel syndrome: A randomized controlled trial. <i>Journal of Hand Therapy</i> , 2021, 34, 351-361.	1.5	11
26	Factors Associated With Success in an Occupational Rehabilitation Program for Work-Related Musculoskeletal Disorders. <i>American Journal of Occupational Therapy</i> , 2016, 71, 7101190040p1.	0.3	10
27	Clinical utilization of musculoskeletal sonography involving non-physician rehabilitation providers: a scoping review. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2016, 52, 253-62.	2.2	10
28	Exploring Occupational Therapists's Perceptions of the Usefulness of Musculoskeletal Sonography in Upper-Extremity Rehabilitation. <i>American Journal of Occupational Therapy</i> , 2015, 69, 6904350020p1-6904350020p6.	0.3	9
29	Sonographic reference values of median nerve cross-sectional area: a protocol for a systematic review and meta-analysis. <i>Systematic Reviews</i> , 2019, 8, 2.	5.3	8
30	Importance of Tissue Morphology Relative to Patient Reports of Symptoms and Functional Limitations Resulting From Median Nerve Pathology. <i>American Journal of Occupational Therapy</i> , 2013, 67, 64-72.	0.3	8
31	Transperineal Sonography Evaluation of Muscles and Vascularity in the Male Pelvic Floor. <i>Journal of Diagnostic Medical Sonography</i> , 2013, 29, 3-10.	0.3	7
32	Longitudinal Design for Sonographic Measurement of Median Nerve Swelling with Controlled Exposure to Physical Work Using an Animal Model. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 2492-2497.	1.5	7
33	Use of Contrast-Enhanced Sonography to Investigate Intraneural Vascularity in a Cohort of <i>Macaca fascicularis</i> With Suspected Median Mononeuropathy. <i>Journal of Ultrasound in Medicine</i> , 2014, 33, 103-109.	1.7	7
34	Meta-synthesis of Carpal Tunnel Syndrome Treatment Options: Developing Consolidated Clinical Treatment Recommendations to Improve Practice. <i>Archives of Physical Medicine and Rehabilitation</i> , 2021, 102, 2261-2268.e2.	0.9	7
35	Ergonomic assessment of office worker postures using 3D automated joint angle assessment. <i>Advanced Engineering Informatics</i> , 2022, 52, 101596.	8.0	7
36	Comparing Shape Categorization to Circularity Measurement in the Evaluation of Median Nerve Compression Using Sonography. <i>Journal of Diagnostic Medical Sonography</i> , 2020, 36, 224-232.	0.3	6

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37	Current Evidence and Opportunities for Expanding the Role of Occupational Therapy for Adults With Musculoskeletal Conditions. <i>American Journal of Occupational Therapy</i> , 2017, 71, 7101170010p1-7101170010p5.	0.3	6
38	Development of shoulder pain with job-related repetitive load: mechanisms of tendon pathology and anxiety. <i>Journal of Shoulder and Elbow Surgery</i> , 2021, . .	2.6	6
39	Integrating Musculoskeletal Sonography Into Rehabilitation. <i>OTJR Occupation, Participation and Health</i> , 2017, 37, 40-49.	0.8	5
40	Fostering Holistic Hand Therapy: Emergent Themes of Client Experiences of Mindâ€œBody Interventions. <i>OTJR Occupation, Participation and Health</i> , 2020, 40, 122-130.	0.8	5
41	Modeling extracurricular activity participation with physical and mental health in college students over time. <i>Journal of American College Health</i> , 2023, 71, 1232-1240.	1.5	5
42	Identification of Aberrant Muscle Bellies in the Carpal Tunnel Using Sonography. <i>Journal of Diagnostic Medical Sonography</i> , 2019, 35, 62-68.	0.3	4
43	Mindful body scans and sonographic biofeedback as preparatory activities to address patient psychological states in hand therapy: A pilot study. <i>Hand Therapy</i> , 2020, 25, 98-106.	1.4	4
44	Role of Sonographic Imaging in Occupational Therapy Practice. <i>American Journal of Occupational Therapy</i> , 2015, 69, 6903360010p1-6903360010p8.	0.3	4
45	Establishing an Imaging Protocol for Detection of Vascularity within the Median Nerve Using Contrast-Enhanced Ultrasound. <i>Journal of Diagnostic Medical Sonography</i> , 2013, 29, 201-207.	0.3	3
46	History of Work-Related Musculoskeletal Disorders Among Sonographers. <i>Journal of Diagnostic Medical Sonography</i> , 2017, 33, 351-353.	0.3	3
47	Participantsâ€™ perceptions of Kinesio tape for carpal tunnel syndrome: A qualitative study. <i>Hand Therapy</i> , 2019, 24, 37-47.	1.4	3
48	The Value of Conducting a Longitudinal Study on Well-Being and Risk for Work-Related Musculoskeletal Injuries in Ultrasound Users. <i>Journal of Diagnostic Medical Sonography</i> , 2022, 38, 474-480.	0.3	3
49	Sonographic Representation of Bifid Median Nerve and Persistent Median Artery. <i>Journal of Diagnostic Medical Sonography</i> , 2011, 27, 89-94.	0.3	2
50	Reliability of Superficial Male Pelvic Floor Structural Measurements Using Linear-Array Transperineal Sonography. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 610-617.	1.5	2
51	The Value and Process of High-Quality Peer Review in Scientific Professional Journals. <i>Journal of Diagnostic Medical Sonography</i> , 2019, 35, 359-362.	0.3	2
52	Development of a Musculoskeletal Ultrasound Protocol to Examine Upper Extremity Rehabilitation Outcomes in Systemic Sclerosis. <i>Journal of Diagnostic Medical Sonography</i> , 2021, 37, 13-23.	0.3	2
53	Quality of Carpal Tunnel Syndrome Patient Education Handouts Available on the Internet: A Systematic Analysis of Content and Design. <i>Archives of Physical Medicine and Rehabilitation</i> , 2022, 103, 297-304.	0.9	2
54	Mindfulness for Physical Rehabilitation in Occupational Therapy: A Scoping Review. <i>American Journal of Occupational Therapy</i> , 2016, 70, 7011505137p1-7011505137p1.	0.3	2

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55	Hand Therapy Patients' Psychosocial Symptomology and Interests in Mindfulness: A Cross-Sectional Study. <i>Canadian Journal of Occupational Therapy</i> , 2022, 89, 44-50.	1.3	2
56	Injuries and Prevention in Health Care Providers. <i>Work</i> , 2012, 42, 309-310.	1.1	1
57	Identifying an Optimal Sampling Method to Estimate Postural Risk in a Dynamic Work Task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2019, 63, 1028-1033.	0.3	1
58	Authors' Response to "Work From Home (WFH) During COVID-19: Is Virtual Reality (VR) a New Solution to New Problems?" <i>Journal of Occupational and Environmental Medicine</i> , 2021, 63, e757-e758.	1.7	1
59	Relationship Between Extracurricular Occupations and Health in College Students: A Longitudinal Study. <i>American Journal of Occupational Therapy</i> , 2021, 75, 7512505178p1-7512505178p1.	0.3	1
60	Linking Research to Practice for Upper Extremity Musculoskeletal Disorders: Interventions, Outcomes, and Diagnoses Examined Over 10 Years. <i>American Journal of Occupational Therapy</i> , 2018, 72, 7211505144p1-7211505144p1.	0.3	1
61	Characterization of Tasks and Time Efficiency of Dental Hygiene Students During Clinical Training. <i>Journal of Dental Hygiene: JDH / American Dental Hygienists' Association</i> , 2020, 94, 30-37.	0.1	1
62	Relationship of Median Nerve Ultrasonographic Measures to Anthropometric and Demographic Factors for Diagnosis of Carpal Tunnel Syndrome. <i>Ultrasound in Medicine and Biology</i> , 2011, 37, S6-S7.	1.5	0
63	Ultrasound Contrast-Enhanced Interrogation of the Median Nerve to Document Peripheral Vascular Flow in an Animal Model. <i>Ultrasound in Medicine and Biology</i> , 2011, 37, S6.	1.5	0
64	Reply. <i>Journal of Ultrasound in Medicine</i> , 2013, 32, 188-189.	1.7	0
65	Embracing the Expanding Horizons of Diagnostic Medical Sonography. <i>Journal of Diagnostic Medical Sonography</i> , 2017, 33, 81-82.	0.3	0
66	Linking Research to Practice in Hand Therapy: A Mapping Review. <i>Journal of Hand Therapy</i> , 2018, 31, 144-145.	1.5	0
67	A standardized protocol for the comprehensive assessment of dental hygiene work. <i>Work</i> , 2021, 69, 1041-1052.	1.1	0
68	Effect of Functional Hand Use on Compression and Displacement of the Median Nerve. <i>American Journal of Occupational Therapy</i> , 2021, 75, 7512505196p1-7512505196p1.	0.3	0
69	Carpal Tunnel Treatment Options: Developing Consolidated Guidelines for Best Practice? A Meta-Synthesis. <i>American Journal of Occupational Therapy</i> , 2021, 75, 7512510275p1-7512510275p1.	0.3	0
70	Validation of an Ergonomic Assessment Tool for Dental Hygienists. <i>American Journal of Occupational Therapy</i> , 2021, 75, 7512500043p1-7512500043p1.	0.3	0
71	Quality of Patient Education Handouts for Carpal Tunnel Syndrome Available on the Internet. <i>American Journal of Occupational Therapy</i> , 2021, 75, 7512510265p1-7512510265p1.	0.3	0
72	Office Worker Perspective on an Artificial Intelligence Workstation: A Qualitative Study. <i>American Journal of Occupational Therapy</i> , 2021, 75, 7512505154p1-7512505154p1.	0.3	0

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73	An ultrasound study of the mobility of the median nerve during composite finger movement in the healthy young wrist. <i>Muscle and Nerve</i> , 2022, 65, 82-88.	2.2	0
74	Risk Assessment for Musculoskeletal Strain Among Dental Hygienists: Validity and Reliability of a Video Observation Technique. <i>American Journal of Occupational Therapy</i> , 2018, 72, 7211500023p1-7211500023p1.	0.3	0
75	Differential Effects of Work-Related Task Training on Upper-Extremity Health in OT and Dental Hygiene Students. <i>American Journal of Occupational Therapy</i> , 2019, 73, 7311505128p1-7311505128p1.	0.3	0