

# Shawn C Roll

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66

papers

691

citations

14

h-index

25

g-index

78

ext. papers

1,042

ext. citations

1.5

avg, IF

4.97

L-index

#	Paper	IF	Citations
66	Ergonomic assessment of office worker postures using 3D automated joint angle assessment. <i>Advanced Engineering Informatics</i> , <b>2022</b> , 52, 101596	7.4	0
65	Hand Therapy Patients' Psychosocial Symptomology and Interests in Mindfulness: A Cross-Sectional Study. <i>Canadian Journal of Occupational Therapy</i> , <b>2021</b> , 84174211060120	1.4	
64	Validation of the National Aeronautics and Space Administration Task Load Index (NASA-TLX) adapted for the whole day repeated measures context. <i>Ergonomics</i> , <b>2021</b> , 1-16	2.9	1
63	Development of shoulder pain with job-related repetitive load: mechanisms of tendon pathology and anxiety. <i>Journal of Shoulder and Elbow Surgery</i> , <b>2021</b> ,	4.3	1
62	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> , <b>2021</b> , 63, 181-190	2	113
61	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> , <b>2021</b> , 34, 351-361	1.6	2
60	Intelligent Agents to Improve Thermal Satisfaction by Controlling Personal Comfort Systems Under Different Levels of Automation. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 7089-7100	10.7	7
59	Meta-synthesis of Carpal Tunnel Syndrome Treatment Options: Developing Consolidated Clinical Treatment Recommendations to Improve Practice. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2021</b> , 102, 2261-2268.e2	2.8	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> , <b>2021</b> , 63, e757-e758	2	0
57	A standardized protocol for the comprehensive assessment of dental hygiene work. <i>Work</i> , <b>2021</b> , 69, 1041-1052	1.6	
56	Modeling extracurricular activity participation with physical and mental health in college students over time. <i>Journal of American College Health</i> , <b>2021</b> , 1-9	2.2	0
55	Development of a Musculoskeletal Ultrasound Protocol to Examine Upper Extremity Rehabilitation Outcomes in Systemic Sclerosis. <i>Journal of Diagnostic Medical Sonography</i> , <b>2021</b> , 37, 13-23	0.4	1
54	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> , <b>2021</b> , 18,	4.6	6
53	Negotiating Time and Space When Working From Home: Experiences During COVID-19. <i>OTJR Occupation, Participation and Health</i> , <b>2021</b> , 41, 223-231	1.3	8
52	Relationship Between Extracurricular Occupations and Health in College Students: A Longitudinal Study. <i>American Journal of Occupational Therapy</i> , <b>2021</b> , 75, 7512505178p1-7512505178p1	0.4	
51	Effect of Functional Hand Use on Compression and Displacement of the Median Nerve. <i>American Journal of Occupational Therapy</i> , <b>2021</b> , 75, 7512505196p1-7512505196p1	0.4	
50	Carpal Tunnel Treatment Options: Developing Consolidated Guidelines for Best PracticeA Meta-Synthesis. <i>American Journal of Occupational Therapy</i> , <b>2021</b> , 75, 7512510275p1-7512510275p1	0.4	

49	Working from home during the COVID-19 pandemic: Impact on office worker productivity and work experience. <i>Work</i> , <b>2021</b> , 69, 1171-1189	1.6	20
48	Validation of an Ergonomic Assessment Tool for Dental Hygienists. <i>American Journal of Occupational Therapy</i> , <b>2021</b> , 75, 7512500043p1-7512500043p1	0.4	
47	Quality of Patient Education Handouts for Carpal Tunnel Syndrome Available on the Internet. <i>American Journal of Occupational Therapy</i> , <b>2021</b> , 75, 7512510265p1-7512510265p1	0.4	
46	Office Worker Perspective on an Artificial Intelligence Workstation: A Qualitative Study. <i>American Journal of Occupational Therapy</i> , <b>2021</b> , 75, 7512505154p1-7512505154p1	0.4	
45	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> , <b>2021</b> , 18,	4.6	2
44	Comparing Shape Categorization to Circularity Measurement in the Evaluation of Median Nerve Compression Using Sonography. <i>Journal of Diagnostic Medical Sonography</i> , <b>2020</b> , 2020,	0.4	3
43	Characterization of Tasks and Time Efficiency of Dental Hygiene Students During Clinical Training. <i>Journal of Dental Hygiene: JDH / American Dental Hygienists Association</i> , <b>2020</b> , 94, 30-37	1.1	1
42	Applications of Head-Mounted Displays for Virtual Reality in Adult Physical Rehabilitation: A Scoping Review. <i>American Journal of Occupational Therapy</i> , <b>2020</b> , 74, 7405205060p1-7405205060p15	0.4	7
41	Fostering Holistic Hand Therapy: Emergent Themes of Client Experiences of Mind-Body Interventions. <i>OTJR Occupation, Participation and Health</i> , <b>2020</b> , 40, 122-130	1.3	5
40	Mindful Body Scans and Sonographic Biofeedback as Preparatory Activities to Address Patient Psychological States in Hand Therapy: A Pilot Study. <i>Hand Therapy</i> , <b>2020</b> , 25, 98-106	1.1	1
39	Smart Desks to Promote Comfort, Health, and Productivity in Offices: A Vision for Future Workplaces. <i>Frontiers in Built Environment</i> , <b>2019</b> , 5,	2.2	10
38	Prevention and rehabilitation of musculoskeletal disorders in oral health care professionals: A systematic review. <i>Journal of the American Dental Association</i> , <b>2019</b> , 150, 489-502	1.9	7
37	Participants' Perceptions of Kinesio tape for carpal tunnel syndrome: A qualitative study. <i>Hand Therapy</i> , <b>2019</b> , 24, 37-47	1.1	0
36	Differential Effects of Work-Related Task Training on Upper-Extremity Health in OT and Dental Hygiene Students. <i>American Journal of Occupational Therapy</i> , <b>2019</b> , 73, 7311505128p1-7311505128p1	0.4	
35	Identifying an Optimal Sampling Method to Estimate Postural Risk in a Dynamic Work Task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , <b>2019</b> , 63, 1028-1033	0.4	1
34	Sonographic reference values of median nerve cross-sectional area: a protocol for a systematic review and meta-analysis. <i>Systematic Reviews</i> , <b>2019</b> , 8, 2	3	4
33	Identification of Aberrant Muscle Bellies in the Carpal Tunnel using Sonography. <i>Journal of Diagnostic Medical Sonography</i> , <b>2019</b> , 35, 62-68	0.4	2
32	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> , <b>2019</b> , 32, 1-9	1.6	11

31	Risk Assessment for Musculoskeletal Strain Among Dental Hygienists: Validity and Reliability of a Video Observation Technique. <i>American Journal of Occupational Therapy</i> , <b>2018</b> , 72, 7211500023p1-7211500023p1	0.4	0
30	Linking Research to Practice for Upper Extremity Musculoskeletal Disorders: Interventions, Outcomes, and Diagnoses Examined Over 10 Years. <i>American Journal of Occupational Therapy</i> , <b>2018</b> , 72, 7211505144p1-7211505144p1	0.4	0
29	Integrating Musculoskeletal Sonography Into Rehabilitation: Therapists' Experiences With Training and Implementation. <i>OTJR Occupation, Participation and Health</i> , <b>2017</b> , 37, 40-49	1.3	2
28	A pilot study to precisely quantify forces applied by sonographers while scanning: A step toward reducing ergonomic injury. <i>Work</i> , <b>2017</b> , 58, 241-247	1.6	20
27	Effectiveness of Occupational Therapy Interventions for Musculoskeletal Shoulder Conditions: A Systematic Review. <i>American Journal of Occupational Therapy</i> , <b>2017</b> , 71, 7101180020p1-7101180020p11	0.4	14
26	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> , <b>2017</b> , 71, 7101180010p1-7101180010p12	0.4	27
25	Factors Associated With Success in an Occupational Rehabilitation Program for Work-Related Musculoskeletal Disorders. <i>American Journal of Occupational Therapy</i> , <b>2017</b> , 71, 7101190040p1-7101190040p8	0.4	5
24	Clinical utilization of musculoskeletal sonography involving non-physician rehabilitation providers: a scoping review. <i>European Journal of Physical and Rehabilitation Medicine</i> , <b>2016</b> , 52, 253-62	4.4	8
23	Mindfulness for Physical Rehabilitation in Occupational Therapy: A Scoping Review. <i>American Journal of Occupational Therapy</i> , <b>2016</b> , 70, 7011505137p1-7011505137p1	0.4	2
22	Mindfulness Interventions in Physical Rehabilitation: A Scoping Review. <i>American Journal of Occupational Therapy</i> , <b>2016</b> , 70, 7003290030p1-9	0.4	17
21	Carpal tunnel syndrome severity staging using sonographic and clinical measures. <i>Muscle and Nerve</i> , <b>2015</b> , 51, 838-45	3.4	11
20	Reliability of superficial male pelvic floor structural measurements using linear-array transperineal sonography. <i>Ultrasound in Medicine and Biology</i> , <b>2015</b> , 41, 610-7	3.5	1
19	Role of sonographic imaging in occupational therapy practice. <i>American Journal of Occupational Therapy</i> , <b>2015</b> , 69, 6903360010p1-8	0.4	3
18	Exploring Occupational Therapists' Perceptions of the Usefulness of Musculoskeletal Sonography in Upper-Extremity Rehabilitation. <i>American Journal of Occupational Therapy</i> , <b>2015</b> , 69, 6904350020p1-6	0.4	5
17	Contribution of positioning to work-related musculoskeletal discomfort in diagnostic medical sonographers. <i>Work</i> , <b>2014</b> , 47, 253-60	1.6	17
16	Use of contrast-enhanced sonography to investigate intraneural vascularity in a cohort of Macaca fascicularis with suspected median mononeuropathy. <i>Journal of Ultrasound in Medicine</i> , <b>2014</b> , 33, 103-9	2.9	6
15	Transperineal Sonography Evaluation of Muscles and Vascularity in the Male Pelvic Floor. <i>Journal of Diagnostic Medical Sonography</i> , <b>2013</b> , 29, 3-10	0.4	6
14	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> , <b>2013</b> , 39, 2492-7	3.5	3

13	Establishing an Imaging Protocol for Detection of Vascularity within the Median Nerve Using Contrast-Enhanced Ultrasound. <i>Journal of Diagnostic Medical Sonography</i> , <b>2013</b> , 29,	0.4	3
12	Reply: To PMID 22535720. <i>Journal of Ultrasound in Medicine</i> , <b>2013</b> , 32, 188-9	2.9	
11	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> , <b>2013</b> , 67, 64-72	0.4	6
10	Injuries and Prevention in Health Care Providers. <i>Work</i> , <b>2012</b> , 42, 309-310	1.6	1
9	Relationship between intraneural vascular flow measured with sonography and carpal tunnel syndrome diagnosis based on electrodiagnostic testing. <i>Journal of Ultrasound in Medicine</i> , <b>2012</b> , 31, 729-38	2.9	37
8	An analysis of occupational factors related to shoulder discomfort in diagnostic medical sonographers and vascular technologists. <i>Work</i> , <b>2012</b> , 42, 355-65	1.6	22
7	Morphologic Characterization of Intraneural Flow Associated With Median Nerve Pathology. <i>Journal of Diagnostic Medical Sonography</i> , <b>2012</b> , 28, 11-19	0.4	14
6	Diagnostic accuracy of ultrasonography vs. electromyography in carpal tunnel syndrome: a systematic review of literature. <i>Ultrasound in Medicine and Biology</i> , <b>2011</b> , 37, 1539-53	3.5	75
5	Screening for carpal tunnel syndrome using sonography. <i>Journal of Ultrasound in Medicine</i> , <b>2011</b> , 30, 1657-67	2.9	36
4	Sonographic Representation of Bifid Median Nerve and Persistent Median Artery. <i>Journal of Diagnostic Medical Sonography</i> , <b>2011</b> , 27, 89-94	0.4	2
3	A Holistic Evaluation of Risk Factors for Work-Related Musculoskeletal Distress Among Asymptomatic Sonographers Performing Neurosonology: A Pilot Study. <i>Journal of Diagnostic Medical Sonography</i> , <b>2010</b> , 26, 64-78	0.4	13
2	Feasibility of Using a Hand-Carried Sonographic Unit for Investigating Median Nerve Pathology. <i>Journal of Diagnostic Medical Sonography</i> , <b>2009</b> , 25, 241-249	0.4	15
1	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> , <b>2009</b> , 25, 241-249	0.4	12