

Patricia A Shewokis

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

2,692
citations

257450

24
h-index

223800

46
g-index

105
all docs

105
docs citations

105
times ranked

2460
citing authors

#	ARTICLE	IF	CITATIONS
1	Cognitive Workload Impacts of Simulated Visibility Changes During Search and Surveillance Tasks Quantified by Functional Near Infrared Spectroscopy. <i>IEEE Transactions on Human-Machine Systems</i> , 2022, 52, 658-667.	3.5	4
2	The Impact of Fidget Spinners on Fine Motor Skills in Individuals with and without ADHD: An Exploratory Analysis. <i>Journal of Behavioral and Brain Science</i> , 2022, 12, 82-101.	0.5	4
3	The effect of combined magnesium and vitamin D supplementation on vitamin D status, systemic inflammation, and blood pressure: A randomized double-blinded controlled trial. <i>Nutrition</i> , 2022, 99-100, 111674.	2.4	12
4	Individual differences in skill acquisition and transfer assessed by dual task training performance and brain activity. <i>Brain Informatics</i> , 2022, 9, 9.	3.0	6
5	Individual Differences in fNIRS Measures of Cognitive Workload During a UAS Mission. <i>Lecture Notes in Computer Science</i> , 2021, , 49-62.	1.3	2
6	Diverse changes in microglia morphology and axonal pathology during the course of 1 year after mild traumatic brain injury in pigs. <i>Brain Pathology</i> , 2021, 31, e12953.	4.1	16
7	Examining Mental Workload in a Spatial Navigation Transfer Game via Functional near Infrared Spectroscopy. <i>Brain Sciences</i> , 2021, 11, 45.	2.3	5
8	Evaluation of Cerebral Tissue Oximeters Using Multilayered Dynamic Head Models. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-12.	4.7	5
9	Evaluation of fNIRS signal components elicited by cognitive and hypercapnic stimuli. <i>Scientific Reports</i> , 2021, 11, 23457.	3.3	12
10	Use of simulation as a needs assessment to develop a focused team leader training curriculum for resuscitation teams. <i>Advances in Simulation</i> , 2020, 5, 6.	2.3	8
11	Short-Term Effects of Meditation on Sustained Attention as Measured by fNIRS. <i>Brain Sciences</i> , 2020, 10, 608.	2.3	14
12	Relationships of hip abductor strength, neuromuscular control, and hip width to femoral length ratio with peak hip adduction angle in healthy female runners. <i>Journal of Sports Sciences</i> , 2020, 38, 2291-2297.	2.0	10
13	Use of a hybrid-abdominal wound simulated patient in the ACS/ASE medical student simulation skills curriculum. <i>American Journal of Surgery</i> , 2019, 217, 250-255.	1.8	2
14	Calculating Heart Rate Variability from ECG Data from Youth with Cerebral Palsy During Active Video Game Sessions. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	3
15	Motor Performance, Mental Workload and Self-Efficacy Dynamics during Learning of Reaching Movements throughout Multiple Practice Sessions. <i>Neuroscience</i> , 2019, 423, 232-248.	2.3	6
16	Low dietary magnesium intake alters vitamin D parathyroid hormone relationship in adults who are overweight or obese. <i>Nutrition Research</i> , 2019, 69, 82-93.	2.9	16
17	Sedentary behavior time as a predictor of hemoglobin A1c among adults, 40 to 59 years of age, living in the United States: National Health and Nutrition Examination Survey 2003 to 2004 and 2013 to 2014. <i>Nutrition and Health</i> , 2019, 25, 275-279.	1.5	4
18	Socioeconomic Variables of Patients with Spasmodic Dysphonia: A Preliminary Study. <i>Journal of Voice</i> , 2018, 32, 479-483.	1.5	2

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19	Changes in motor performance and mental workload during practice of reaching movements: a team dynamics perspective. <i>Experimental Brain Research</i> , 2018, 236, 433-451.	1.5	7
20	Filling the Gap: Simulation-based Crisis Resource Management Training for Emergency Medicine Residents. <i>Western Journal of Emergency Medicine</i> , 2018, 19, 205-210.	1.1	34
21	<i>Clinicopathological Features and Management of Appendiceal Mucoceles: A Systematic Review</i>. <i>American Surgeon</i> , 2018, 84, 273-281.	0.8	29
22	A rodent brain-machine interface paradigm to study the impact of paraplegia on BMI performance. <i>Journal of Neuroscience Methods</i> , 2018, 306, 103-114.	2.5	7
23	Clinicopathological Features and Management of Appendiceal Mucoceles: A Systematic Review. <i>American Surgeon</i> , 2018, 84, 273-281.	0.8	7
24	Construct validity of a novel, objective evaluation tool for the basics of open laparotomy training using a simulated model. <i>American Journal of Surgery</i> , 2017, 214, 152-157.	1.8	3
25	Measuring speaker-listener neural coupling with functional near infrared spectroscopy. <i>Scientific Reports</i> , 2017, 7, 43293.	3.3	135
26	Mental workload classification with concurrent electroencephalography and functional near-infrared spectroscopy. <i>Brain-Computer Interfaces</i> , 2017, 4, 175-185.	1.8	37
27	Acquisition, retention and transfer of simulated laparoscopic tasks using fNIR and a contextual interference paradigm. <i>American Journal of Surgery</i> , 2017, 213, 336-345.	1.8	36
28	Mental workload and motor performance dynamics during practice of reaching movements under various levels of task difficulty. <i>Neuroscience</i> , 2017, 360, 166-179.	2.3	23
29	Multisubject "Learning" for Mental Workload Classification Using Concurrent EEG, fNIRS, and Physiological Measures. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 389.	2.0	78
30	Motivation in computer-assisted instruction. <i>Laryngoscope</i> , 2016, 126, S5-S13.	2.0	18
31	WHipple-ABACUS, a simple, validated risk score for 30-day mortality after pancreaticoduodenectomy developed using the ACS-NSQIP database. <i>Surgery</i> , 2016, 160, 1279-1287.	1.9	55
32	Brain Activation in the Prefrontal Cortex during Motor and Cognitive Tasks in Adults. <i>Journal of Behavioral and Brain Science</i> , 2016, 06, 463-474.	0.5	16
33	Longitudinal Changes in Anthropometric Measures in Children in the 5th Grade. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1038.	0.4	0
34	Assessment Of Body Mass Index (BMI) Z-scores After One Year Of A School-based Health Intervention. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1037.	0.4	0
35	Using Mean Absolute Relative Phase, Deviation Phase and Point-Estimation Relative Phase to Measure Postural Coordination in a Serial Reaching Task. <i>Journal of Sports Science and Medicine</i> , 2016, 15, 131-41.	1.6	9
36	Educational neuroscience with fNIR and simulation training of surgical tasks. <i>Journal of the American College of Surgeons</i> , 2015, 221, e9.	0.5	1

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37	An exploration of grip force regulation with a low-impedance myoelectric prosthesis featuring referred haptic feedback. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015, 12, 104.	4.6	35
38	Brain-in-the-Loop Learning Using fNIR and Simulated Virtual Reality Surgical Tasks: Hemodynamic and Behavioral Effects. <i>Lecture Notes in Computer Science</i> , 2015, , 324-335.	1.3	13
39	Tactile Feedback of Object Slip Facilitates Virtual Object Manipulation. <i>IEEE Transactions on Haptics</i> , 2015, 8, 454-466.	2.7	44
40	Neural Adaptation to a Working Memory Task: A Concurrent EEG-fNIRS Study. <i>Lecture Notes in Computer Science</i> , 2015, , 268-280.	1.3	13
41	UAV Operators Workload Assessment by Optical Brain Imaging Technology (fNIR). , 2015, , 2475-2500.		21
42	Cognitive-Motor Processes During Arm Reaching Performance Through a Human Body-Machine Interface. <i>Lecture Notes in Computer Science</i> , 2015, , 381-392.	1.3	1
43	Cognitive Workload and Learning Assessment During the Implementation of a Next-Generation Air Traffic Control Technology Using Functional Near-Infrared Spectroscopy. <i>IEEE Transactions on Human-Machine Systems</i> , 2014, 44, 429-440.	3.5	53
44	Do laparoscopic skills transfer to robotic surgery?. <i>Journal of Surgical Research</i> , 2014, 187, 53-58.	1.6	52
45	Assessment of Prefrontal Cortex Activity in Amyotrophic Lateral Sclerosis Patients with Functional Near Infrared Spectroscopy. <i>Journal of Neuroscience and Neuroengineering</i> , 2014, 3, 41-51.	0.2	10
46	Towards a Hybrid P300-Based BCI Using Simultaneous fNIR and EEG. <i>Lecture Notes in Computer Science</i> , 2013, , 335-344.	1.3	18
47	Hemodynamic Response to Repeated Noxious Cold Pressor Tests Measured by Functional Near Infrared Spectroscopy on Forehead. <i>Annals of Biomedical Engineering</i> , 2013, 41, 223-237.	2.5	31
48	Reconstructing surface EMG from scalp EEG during myoelectric control of a closed looped prosthetic device. , 2013, 2013, 5602-5.		8
49	Cardiorespiratory Response During Physical Therapist Intervention for Infants and Young Children With Chronic Respiratory Insufficiency. <i>Pediatric Physical Therapy</i> , 2013, 25, 178-185.	0.6	1
50	EEG band powers for characterizing user engagement in P300-BCI. , 2013, , .		3
51	Understanding the role of haptic feedback in a teleoperated/prosthetic grasp and lift task. , 2013, , .		30
52	Functional near-infrared spectroscopy-based correlates of prefrontal cortical dynamics during a cognitive-motor executive adaptation task. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 277.	2.0	45
53	Continuous monitoring of brain dynamics with functional near infrared spectroscopy as a tool for neuroergonomic research: empirical examples and a technological development. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 871.	2.0	211
54	Differential Prefrontal Response during Natural and Synthetic Speech Perception: An fNIR Based Neuroergonomics Study. <i>Lecture Notes in Computer Science</i> , 2013, , 241-249.	1.3	2

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55	Brain in the Loop Learning Using Functional Near Infrared Spectroscopy. Lecture Notes in Computer Science, 2013, , 381-389.	1.3	5
56	Human Performance Assessment Study in Aviation Using Functional Near Infrared Spectroscopy. Lecture Notes in Computer Science, 2013, , 433-442.	1.3	6
57	Functional brain activity monitoring during Unmanned Aerial Vehicle coordination. , 2012, , .		2
58	Tangram solved? Prefrontal cortex activation analysis during geometric problem solving. , 2012, 2012, 4724-7.		23
59	A P300-based EEG-BCI for spatial navigation control. , 2012, 2012, 3841-4.		21
60	Detection of attention shift for asynchronous P300-based BCI. , 2012, 2012, 3850-3.		5
61	Optical brain monitoring for operator training and mental workload assessment. NeuroImage, 2012, 59, 36-47.	4.2	526
62	An optical brain computer interface for environmental control. , 2011, 2011, 6327-30.		20
63	Bridging Brain and Educational Sciences: An Optical Brain Imaging Study of Visuospatial Reasoning. Procedia, Social and Behavioral Sciences, 2011, 29, 300-309.	0.5	10
64	Optical Brain Imaging to Enhance UAV Operator Training, Evaluation, and Interface Development. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 61, 423-443.	3.4	35
65	THE EVOLUTION OF FIELD DEPLOYABLE fNIR SPECTROSCOPY FROM BENCH TO CLINICAL SETTINGS. Journal of Innovative Optical Health Sciences, 2011, 04, 239-250.	1.0	55
66	Brain Activity of Young and Adult Hebrew Speakers during Lexical Decision Task: fNIR Application to Language. Lecture Notes in Computer Science, 2011, , 231-239.	1.3	5
67	Brain in the Loop: Assessing Learning Using fNIR in Cognitive and Motor Tasks. Lecture Notes in Computer Science, 2011, , 240-249.	1.3	12
68	Estimation of Cognitive Workload during Simulated Air Traffic Control Using Optical Brain Imaging Sensors. Lecture Notes in Computer Science, 2011, , 549-558.	1.3	12
69	Applications of Functional Near Infrared Imaging: Case Study on UAV Ground Controller. Lecture Notes in Computer Science, 2011, , 608-617.	1.3	8
70	Using MazeSuite and Functional Near Infrared Spectroscopy to Study Learning in Spatial Navigation. Journal of Visualized Experiments, 2011, , .	0.3	153
71	Psychosocial Factors and Health Perceptions in Parents and Children Who Are Overweight or Obese. Obesity, 2010, 18, 1558-1565.	3.0	13
72	MindTactics: A Brain Computer Interface gaming platform. , 2010, , .		9

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73	Sliding-window motion artifact rejection for Functional Near-Infrared Spectroscopy. , 2010, 2010, 6567-70.		124
74	Hemodynamic correlates of visuomotor motor adaptation by functional Near Infrared Spectroscopy. , 2010, 2010, 2918-21.		7
75	Changes in standing postural control during acquisition of a sequential reaching task. Gait and Posture, 2010, 31, 265-271.	1.4	6
76	Toward improved sensorimotor integration and learning using upper-limb prosthetic devices. , 2010, 2010, 5077-80.		20
77	Author Response to Invited Commentary by Heathcock. Physical Therapy, 2009, 89, e2-e4.	2.4	0
78	Gastrocnemius-Soleus Muscle Tendon Unit Changes Over the First 12 Weeks of Adjusted Age in Infants Born Preterm. Physical Therapy, 2009, 89, 136-148.	2.4	4
79	Assessment of Cognitive Neural Correlates for a Functional Near Infrared-Based Brain Computer Interface System. Lecture Notes in Computer Science, 2009, , 699-708.	1.3	41
80	Roles of Reflex Activity and Co-contraction During Assessments of Spasticity of the Knee Flexor and Knee Extensor Muscles in Children With Cerebral Palsy and Different Functional Levels. Physical Therapy, 2008, 88, 1124-1134.	2.4	13
81	Examination of Spasticity of the Knee Flexors and Knee Extensors Using Isokinetic Dynamometry With Electromyography and Clinical Scales in Children With Spinal Cord Injury. Journal of Spinal Cord Medicine, 2008, 31, 208-214.	1.4	8
82	Specificity of a Maximal Step Exercise Test. Measurement in Physical Education and Exercise Science, 2007, 11, 131-148.	1.8	1
83	Muscle Tendon Unit Comparisons Between Infants Born Preterm and Infants Born Full Term: A Pilot Study. Pediatric Physical Therapy, 2007, 19, 309-314.	0.6	3
84	Co-contraction during passive movements of the knee joint in children with cerebral palsy. Clinical Biomechanics, 2007, 22, 1045-1048.	1.2	11
85	Gait initiation in children with cerebral palsy. Gait and Posture, 2007, 26, 301-308.	1.4	39
86	A timeâ€“frequency based electromyographic analysis technique for use in cerebral palsy. Gait and Posture, 2007, 26, 420-427.	1.4	34
87	Timeâ€“frequency changes in electromyographic signals after hamstring lengthening surgery in children with cerebral palsy. Journal of Biomechanics, 2007, 40, 2738-2743.	2.1	16
88	Immediate effect of percutaneous intramuscular stimulation during gait in children with cerebral palsy: a feasibility study. Developmental Medicine and Child Neurology, 2007, 47, 684-690.	2.1	2
89	Test-Retest Reliability of Isokinetic Dynamometry for the Assessment of Spasticity of the Knee Flexors and Knee Extensors in Children With Cerebral Palsy. Archives of Physical Medicine and Rehabilitation, 2006, 87, 697-702.	0.9	40
90	ANKLE MOVEMENTS DURING SUPINE KICKING IN RELATION TO GASTROCNEMIUS/SOLEUS LENGTH IN INFANTS BORN PRETERM. Pediatric Physical Therapy, 2006, 18, 92.	0.6	1

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91	Assessment of wavelet analysis of gait in children with typical development and cerebral palsy. <i>Journal of Biomechanics</i> , 2005, 38, 1351-1357.	2.1	38
92	Immediate effect of percutaneous intramuscular stimulation during gait in children with cerebral palsy: a feasibility study. <i>Developmental Medicine and Child Neurology</i> , 2005, 47, 684.	2.1	25
93	Memory Consolidation and Contextual Interference Effects with Computer Games. <i>Perceptual and Motor Skills</i> , 2003, 97, 581-589.	1.3	12
94	MEMORY CONSOLIDATION AND CONTEXTUAL INTERFERENCE EFFECTS WITH COMPUTER GAMES. <i>Perceptual and Motor Skills</i> , 2003, 97, 581.	1.3	0
95	Effects of bandwidth knowledge of results on the performance and learning of a shoulder internal rotation isokinetic strength task. <i>Isokinetics and Exercise Science</i> , 2000, 8, 129-139.	0.4	6
96	Using Statistical Power Analysis in Sport Management Research. <i>Journal of Sport Management</i> , 1999, 13, 139-147.	1.4	14
97	A Test of Retroactive Inhibition as an Explanation of Contextual Interference. <i>Research Quarterly for Exercise and Sport</i> , 1998, 69, 70-74.	1.4	26
98	Is the Contextual Interference Effect Generalizable to Computer Games?. <i>Perceptual and Motor Skills</i> , 1997, 84, 3-15.	1.3	23
99	The Paradox of the Contented Working Woman in Intercollegiate Athletics Administration. <i>Research Quarterly for Exercise and Sport</i> , 1995, 66, 73-79.	1.4	18
100	Appropriate summary KR for learning timing tasks under conditions of high and low contextual interference. <i>Acta Psychologica</i> , 1993, 83, 1-12.	1.5	7
101	Factors influencing rearfoot kinematics during a rapid lateral braking movement. <i>Medicine and Science in Sports and Exercise</i> , 1992, 24, 586-594.	0.4	9