

# Sigal Portnoy

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

442  
citations

858243

12  
h-index

889612

19  
g-index

48  
all docs

48  
docs citations

48  
times ranked

596  
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlations between body postures and musculoskeletal pain in guitar players. PLoS ONE, 2022, 17, e0262207.	1.1	1
2	Correlations between Electro-Diagnostic Findings, the Severity of Initial Infection, and the Rehabilitation Outcomes among COVID-19 Patients. Biology, 2022, 11, 277.	1.3	4
3	Establishing the Validity of the Internet-Based Bill-Paying Task to Assess Executive Function Deficits Among Adults With Traumatic Brain Injury. American Journal of Occupational Therapy, 2022, 76, .	0.1	2
4	Positive Effect of Manipulated Virtual Kinematic Intervention in Individuals with Traumatic Stiff Shoulder: A Pilot Study. Journal of Clinical Medicine, 2022, 11, 3919.	1.0	3
5	Home exercise in the dart-throwing motion plane after distal radius fractures: A pilot randomized controlled trial. Journal of Hand Therapy, 2021, 34, 531-538.	0.7	1
6	Functional electrical stimulation compared with ankle-foot orthosis in subacute post stroke patients with foot drop: A pilot study. Assistive Technology, 2021, 33, 9-16.	1.2	9
7	The Efficacy of Tele-Rehabilitation Program for Improving Upper Limb Function among Adults Following Elbow Fractures: A Pilot Study. Applied Sciences (Switzerland), 2021, 11, 1708.	1.3	5
8	Muscle activity while ambulating on stairs and slopes: A comparison between individuals scheduled and not scheduled for knee arthroplasty and healthy controls. Musculoskeletal Science and Practice, 2021, 52, 102346.	0.6	3
9	Evaluating Lower Limb Kinematics Using Microsoft's Kinect: A Simple, Novel Method. Physiotherapy Canada Physiotherapie Canada, 2021, 73, e20200051.	0.3	1
10	Internal Mechanics of a Subject-Specific Wrist in the Sagittal versus Dart-Throwing Motion Plane in Adult and Elder Models: Finite Element Analyses. Applied Sciences (Switzerland), 2021, 11, 5275.	1.3	2
11	Comparison of the Kinematics Following Gait Perturbation in Individuals Who Did or Did Not Undergo Total Knee Replacement. Applied Sciences (Switzerland), 2021, 11, 7453.	1.3	2
12	Falls in Post-Polio Patients: Prevalence and Risk Factors. Biology, 2021, 10, 1110.	1.3	3
13	Does Object Height Affect the Dart Throwing Motion Angle during Seated Activities of Daily Living?. Journal of Motor Behavior, 2020, 52, 456-465.	0.5	3
14	Kinematics following gait perturbation in adults with knee osteoarthritis: Scheduled versus not scheduled for knee arthroplasty. Gait and Posture, 2020, 81, 144-152.	0.6	11
15	An Instrumented Assessment of a Rhythmic Finger Task among Children with Motor Coordination Difficulties. Sensors, 2020, 20, 4554.	2.1	0
16	Variability of Coordination in Typically Developing Children Versus Children with Autism Spectrum Disorder with and without Rhythmic Signal. Sensors, 2020, 20, 2769.	2.1	2
17	Automated 3D-printed finger orthosis versus manual orthosis preparation by occupational therapy students: Preparation time, product weight, and user satisfaction. Journal of Hand Therapy, 2020, 33, 174-179.	0.7	15
18	Correlations between Performance in a Virtual Reality Game and the Movement Assessment Battery Diagnostics in Children with Developmental Coordination Disorder. Applied Sciences (Switzerland), 2020, 10, 833.	1.3	2

#	ARTICLE	IF	CITATIONS
19	Applying Incongruent Visual-Tactile Stimuli during Object Transfer with Vibro-Tactile Feedback. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	0
20	Differences in muscle activity and fatigue of the upper limb between Task-Specific training and robot assisted training among individuals post stroke. <i>Journal of Biomechanics</i> , 2019, 89, 28-33.	0.9	14
21	Functional Gait Measures Prediction by Spatiotemporal and Gait Symmetry in Individuals Post Stroke. <i>Journal of Developmental and Physical Disabilities</i> , 2019, 31, 611-622.	1.0	5
22	Design and Implementation of a Novel Subject-Specific Neurofeedback Evaluation and Treatment System. <i>Annals of Biomedical Engineering</i> , 2019, 47, 1203-1211.	1.3	2
23	Evaluation of the effectiveness of a novel gait trainer in increasing the functionality of individuals with motor impairment: A case series. <i>Assistive Technology</i> , 2019, 31, 106-111.	1.2	0
24	Adding vibrotactile feedback to a myoelectric-controlled hand improves performance when online visual feedback is disturbed. <i>Human Movement Science</i> , 2018, 58, 32-40.	0.6	23
25	Visuomotor behaviors and performance in a dual-task paradigm with and without vibrotactile feedback when using a myoelectric controlled hand. <i>Assistive Technology</i> , 2018, 30, 274-280.	1.2	17
26	The correlation between upper extremity musculoskeletal symptoms and joint kinematics, playing habits and hand span during playing among piano students. <i>PLoS ONE</i> , 2018, 13, e0208788.	1.1	21
27	Characteristics of ataxic gait in familial dysautonomia patients. <i>PLoS ONE</i> , 2018, 13, e0196599.	1.1	4
28	Evaluation of the effects of adding vibrotactile feedback to myoelectric prosthesis users on performance and visual attention in a dual-task paradigm. <i>Clinical Rehabilitation</i> , 2018, 32, 1308-1316.	1.0	16
29	Myoelectric Prosthesis Users Improve Performance Time and Accuracy Using Vibrotactile Feedback When Visual Feedback Is Disturbed. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 2263-2270.	0.5	16
30	Development of Internet-Based Tasks for the Executive Function Performance Test. <i>American Journal of Occupational Therapy</i> , 2018, 72, 7202205060p1-7202205060p7.	0.1	7
31	Wrist Plane of Motion and Range During Daily Activities. <i>American Journal of Occupational Therapy</i> , 2018, 72, 7206205080p1-7206205080p10.	0.1	11
32	Graphical Product Quality and Muscle Activity in Children With Mild Disabilities Drawing on a Horizontally or Vertically Oriented Tablet. <i>American Journal of Occupational Therapy</i> , 2018, 72, 7206205040p1-7206205040p7.	0.1	1
33	Comparison of Path Length and Ranges of Movement of the Center of Pressure and Reaction Time and Between Paired-Play and Solo-Play of a Virtual Reality Game. <i>Games for Health Journal</i> , 2017, 6, 147-151.	1.1	2
34	Postural control of individuals with chronic stroke compared to healthy participants: Timed-Up-and-Go, Functional Reach Test and center of pressure movement. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2017, 53, 685-693.	1.1	19
35	Comparison of activity and fatigue of the respiratory muscles and pulmonary characteristics between post-polio patients and controls: A pilot study. <i>PLoS ONE</i> , 2017, 12, e0182036.	1.1	6
36	Hemorrhagic versus ischemic stroke: Who can best benefit from blended conventional physiotherapy with robotic-assisted gait therapy?. <i>PLoS ONE</i> , 2017, 12, e0178636.	1.1	16

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37	The Association Between Visual Assessment of Quality of Movement and Three-Dimensional Analysis of Pelvis, Hip, and Knee Kinematics During a Lateral Step Down Test. <i>Journal of Strength and Conditioning Research</i> , 2016, 30, 3204-3211.	1.0	20
38	Key Strike Forces and Their Relation to High Level of Musculoskeletal Symptoms. <i>Safety and Health at Work</i> , 2016, 7, 347-353.	0.3	5
39	The Association of Ankle Dorsiflexion Range of Motion With Hip and Knee Kinematics During the Lateral Step-down Test. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2016, 46, 1002-1009.	1.7	48
40	Differences in muscle activity patterns and graphical product quality in children copying and tracing activities on horizontal or vertical surfaces. <i>Journal of Electromyography and Kinesiology</i> , 2015, 25, 540-547.	0.7	9
41	Effect of an auditory feedback substitution, tactilo-kinesthetic, or visual feedback on kinematics of pouring water from kettle into cup. <i>Applied Ergonomics</i> , 2015, 51, 44-49.	1.7	6
42	Prevention of Genu Recurvatum in Poststroke Patients Using a Hinged Soft Knee Orthosis. <i>PM and R</i> , 2015, 7, 1042-1051.	0.9	19
43	Editorial: Rehabilitation Bioengineering. <i>Annals of Biomedical Engineering</i> , 2015, 43, 259-260.	1.3	0
44	Outdoor dynamic subject-specific evaluation of internal stresses in the residual limb: Hydraulic energy-stored prosthetic foot compared to conventional energy-stored prosthetic feet. <i>Gait and Posture</i> , 2012, 35, 121-125.	0.6	42
45	Clinically oriented real-time monitoring of the individual's risk for deep tissue injury. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 473-483.	1.6	11
46	Real-time subject-specific analyses of dynamic internal tissue loads in the residual limb of transtibial amputees. <i>Medical Engineering and Physics</i> , 2010, 32, 312-323.	0.8	26
47	Inhomogeneity of tissue-level strain distributions in individual trabeculae: Mathematical model studies of normal and osteoporosis cases. <i>Medical Engineering and Physics</i> , 2008, 30, 624-630.	0.8	7