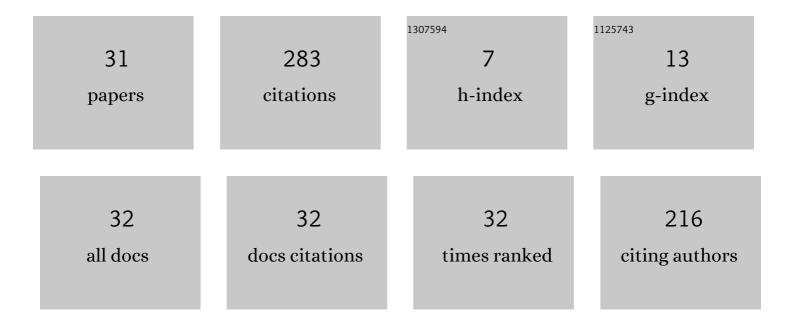
## Patrick Henaff

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Simulation of Spinal Muscle Control in Human Gait Using OpenSim. IEEE Transactions on Medical Robotics and Bionics, 2022, 4, 254-265.	3.2	1
2	Comparative study of forced oscillators for the adaptive generation of rhythmic movements in robot controllers. Biological Cybernetics, 2019, 113, 547-560.	1.3	6
3	Robot-Based Motor Rehabilitation in Autism: A Systematic Review. International Journal of Social Robotics, 2019, 11, 753-764.	4.6	24
4	The Sound of Actuators: Disturbance in Human - Robot Interactions?. , 2019, , .		3
5	Increasing Capacity of Association Memory by Means of Synaptic Clustering. Neural Processing Letters, 2019, 50, 2717-2730.	3.2	2
6	Physical Analysis of Handshaking Between Humans: Mutual Synchronisation and Social Context. International Journal of Social Robotics, 2019, 11, 541-554.	4.6	8
7	Motor Coordination Learning for Rhythmic Movements. , 2019, , .		0
8	Closed-loop Central Pattern Generator Control of Human Gaits in OpenSim Simulator. , 2019, , .		5
9	Integration of a collaborative robot in a hard steel industrial environment. , 2018, , .		6
10	CPG-based Controllers can Trigger the Emergence of Social Synchrony in Human-Robot Interactions. , 2018, , .		3
11	CPG-based Controllers can Generate Both Discrete and Rhythmic Movements. , 2018, , .		5
12	Hebbian Plasticity in CPG Controllers Facilitates Self-Synchronization for Human-Robot Handshaking. Frontiers in Neurorobotics, 2018, 12, 29.	2.8	17
13	Gas Storage Valuation and Hedging: A Quantification of Model Risk. International Journal of Financial Studies, 2018, 6, 27.	2.3	11
14	Estimation of Imaginary Movements Quality Based on Machine Learning for Brain Computer Interface Applications. Mìkrosistemi, Elektronìka Ta Akustika, 2018, 23, 25-31.	0.1	0
15	Keynote III. Procedia Computer Science, 2017, 116, 10.	2.0	0
16	CPG-based circuitry for controlling musculoskeletal model of human locomotor system. , 2017, , .		2
17	Neuro-musculoskeletal simulator of human rhythmic movements. , 2017, , .		0
18	Measurement and analysis of physical parameters of the handshake between two persons according to		17

simple social contexts. , 2016, , .

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#	Article	IF	CITATIONS
19	Bio-inspired plastic controller for a robot arm to shake hand with human. , 2016, , .		8
20	Analysis of a handshake between humans using wavelet transforms. , 2015, , .		3
21	Multi-layered multi-pattern CPG for adaptive locomotion of humanoid robots. Biological Cybernetics, 2014, 108, 291-303.	1.3	75
22	Sensor network architecture to measure characteristics of a handshake between humans. , 2014, , .		12
23	Electronic hardware design of a low cost tactile sensor device for physical human-robot interactions. , 2013, , .		5
24	Real time implementation of CTRNN and BPTT algorithm to learn on-line biped robot balance: Experiments on the standing posture. Control Engineering Practice, 2011, 19, 89-99.	5.5	13
25	Non-invasive low cost method for linear and angular accelerations measurement in biped locomotion mechanisms. , 2011, , .		1
26	MUSCLE EMULATION WITH DC MOTOR AND NEURAL NETWORKS FOR BIPED ROBOTS. International Journal of Neural Systems, 2010, 20, 341-353.	5.2	7
27	On the Role of Sensory Feedbacks in Rowat–Selverston CPG to Improve Robot Legged Locomotion. Frontiers in Neurorobotics, 2010, 4, 113.	2.8	21
28	A Study of Adaptive Locomotive Behaviors of a Biped Robot: Patterns Generation and Classification. Lecture Notes in Computer Science, 2010, , 313-324.	1.3	12
29	Experience-based learning mechanism for neural controller adaptation: Application to walking biped robots. , 2009, , .		6
30	Étude sur l'intérêt des modèles biologiques de réseaux de neurones pour la synthèse de rythmes locomoteurs adaptatifs. Journal Europeen Des Systemes Automatises, 2007, 41, 413-436.	0.4	0
31	Muscle‣ike Compliance in Knee Articulations Improves Biped Robot Walkings. , 0, , .		3