

Hannes Bleuler

List of Publications by Year in descending order

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33
papers

2,667
citations

430754

18
h-index

526166

27
g-index

35
all docs

35
docs citations

35
times ranked

3372
citing authors

#	ARTICLE	IF	CITATIONS
1	Cogno-Vest: A Torso-Worn, Force Display to Experimentally Induce Specific Hallucinations and Related Bodily Sensations. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 497-506.	2.6	6
2	Thought consciousness and source monitoring depend on robotically controlled sensorimotor conflicts and illusory states. IScience, 2021, 24, 101955.	1.9	12
3	Principles and Test Result of Novel Full Passive Magnetic Levitation Motor with Diamagnetic Disk. , 2021, , .		4
4	Passive diamagnetic contactless suspension rotor with electrostatic glass motor. Micro and Nano Letters, 2019, 14, 1056-1059.	0.6	11
5	Torso-mounted Vibrotactile Interface to Experimentally Induce Illusory Own-body Perceptions. , 2019, , .		4
6	Exoskeletons as Mechatronic Design Example. Mechanisms and Machine Science, 2019, , 109-117.	0.3	1
7	Congruent Visuo-Tactile Feedback Facilitates the Extension of Peripersonal Space. Lecture Notes in Computer Science, 2018, , 673-684.	1.0	5
8	EXiOâ€”A Brain-Controlled Lower Limb Exoskeleton for Rhesus Macaques. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 131-141.	2.7	36
9	Cortical and subcortical mechanisms of brainâ€”machine interfaces. Human Brain Mapping, 2017, 38, 2971-2989.	1.9	36
10	Realization of a Diamagnetically Levitating Rotor Driven by Electrostatic Field. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2387-2391.	3.7	28
11	Quantifying the role of motor imagery in brain-machine interfaces. Scientific Reports, 2016, 6, 24076.	1.6	84
12	In a demanding task, three-handed manipulation is preferred to two-handed manipulation. Scientific Reports, 2016, 6, 21758.	1.6	44
13	Long-Term Training with a Brain-Machine Interface-Based Gait Protocol Induces Partial Neurological Recovery in Paraplegic Patients. Scientific Reports, 2016, 6, 30383.	1.6	326
14	Assimilation of virtual legs and perception of floor texture by complete paraplegic patients receiving artificial tactile feedback. Scientific Reports, 2016, 6, 32293.	1.6	45
15	Mechanisms for actuated assistive hip orthoses. Robotics and Autonomous Systems, 2015, 73, 59-67.	3.0	12
16	Control strategies for active lower extremity prosthetics and orthotics: a review. Journal of NeuroEngineering and Rehabilitation, 2015, 12, 1.	2.4	773
17	Control of a Supernumerary Robotic Hand by Foot: An Experimental Study in Virtual Reality. PLoS ONE, 2015, 10, e0134501.	1.1	41
18	Neurological and Robot-Controlled Induction of an Apparition. Current Biology, 2014, 24, 2681-2686.	1.8	121

#	ARTICLE	IF	CITATIONS
19	Force feedback facilitates multisensory integration during robotic tool use. <i>Experimental Brain Research</i> , 2013, 227, 497-507.	0.7	28
20	Development of an assistive motorized hip orthosis: Kinematics analysis and mechanical design. , 2013, 2013, 6650495.		12
21	Expanding the primate body schema in sensorimotor cortex by virtual touches of an avatar. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15121-15126.	3.3	74
22	Survey on Surgical Instrument Handle Design. <i>Surgical Innovation</i> , 2012, 19, 50-59.	0.4	65
23	Extending the Body to Virtual Tools Using a Robotic Surgical Interface: Evidence from the Crossmodal Congruency Task. <i>PLoS ONE</i> , 2012, 7, e49473.	1.1	47
24	Active tactile exploration using a brain-machine-brain interface. <i>Nature</i> , 2011, 479, 228-231.	13.7	605
25	An External Positioning Mechanism for Robotic Surgery. <i>Journal of System Design and Dynamics</i> , 2011, 5, 1094-1105.	0.3	4
26	Towards mixed societies of chickens and robots. , 2010, , .		32
27	Sensors for Applications in Magnetic Resonance Environments. <i>IEEE/ASME Transactions on Mechatronics</i> , 2008, 13, 335-344.	3.7	56
28	2-DOF fMRI-Compatible Haptic Interface for Bimanual Motor Tasks with Grip/Load Force Measurement. <i>Springer Tracts in Advanced Robotics</i> , 2008, , 109-129.	0.3	6
29	A Haptic Knob with a Hybrid Ultrasonic Motor and Powder Clutch Actuator. , 2007, , .		24
30	Ligament balancing in TKA: Evaluation of a force-sensing device and the influence of patellar eversion and ligament release. <i>Journal of Biomechanics</i> , 2007, 40, 1709-1715.	0.9	53
31	Development of a Force Amplitude- and Location-Sensing Device Designed to Improve the Ligament Balancing Procedure in TKA. <i>IEEE Transactions on Biomedical Engineering</i> , 2005, 52, 1609-1611.	2.5	51
32	Acceleration Sensor Based on Diamagnetic Levitation. , 2005, , 81-90.		7
33	Diamagnetic suspension system for small rotors. <i>Journal of Micromechatronics</i> , 2001, 1, 131-137.	1.9	12