Christian Hatzfeld

List of Publications by Year
in descending order

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Version: 2024-02-01

32	222	1163117 8	1281871 11
papers	citations	h-index	g-index

33	33	33	252
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Platypus. , 2016, , .		53
2	Pseudo-Haptic Feedback in Teleoperation. IEEE Transactions on Haptics, 2016, 9, 397-408.	2.7	19
3	Design and evaluation of a measuring system for human force perception parameters. Sensors and Actuators A: Physical, 2010, 162, 202-209.	4.1	14
4	Securing IoT Devices Using Robust DRAM PUFs. , 2018, , .		12
5	Vibrotactile Force Perception â€“ Absolute and Differential Thresholds and External Influences. IEEE Transactions on Haptics, 2016, 9, 586-597.	2.7	11
6	Just Noticeable Differences of Low-Intensity Vibrotactile Forces at the Fingertip. Lecture Notes in Computer Science, 2012, , 43-48.	1.3	11
7	Haptics as an Interaction Modality. Springer Series on Touch and Haptic Systems, 2014, , 29-100.	0.3	10
8	Miniaturized multiaxial force/torque sensor with a rollable hexapod structure. TM Technisches Messen, 2017, 84, 138-142.	0.7	9
9	Intrinsic Run-Time Row Hammer PUFs: Leveraging the Row Hammer Effect for Run-Time Cryptography and Improved Security â€. Cryptography, 2018, 2, 13.	2.3	9
10	Vibrotactile Force Perception Thresholds at the Fingertip. Lecture Notes in Computer Science, 2010, , 99-104.	1.3	9
11	Mechanical Impedance as Coupling Parameter of Force and Deflection Perception: Experimental Evaluation. Lecture Notes in Computer Science, 2012, , 193-204.	1.3	8
12	A teleoperated platform for transanal single-port surgery: Ergonomics and workspace aspects. , 2017, , .		7
13	Influence of surgical gloves on haptic perception thresholds. International Journal of Medical Robotics and Computer Assisted Surgery, 2018, 14, e1852.	2.3	7
14	Systematic Consideration of Haptic Perception in the Design of Task-Specific Haptic Systems. Biomedizinische Technik, 2013, 58 Suppl 1, .	0.8	5
15	Investigation of the usability of pseudo-haptic feedback in teleoperation. , 2015, , .		5
16	Development of an electrodynamic velocity sensor for active mounting structures. Procedia Engineering, 2011, 25, 547-550.	1.2	4
17	Perception-Inspired Haptic Force Sensor â€“ A Concept Study. Procedia Engineering, 2012, 47, 112-115.	1.2	3
18	Performance simulation of unforced choice paradigms in parametric psychometric procedures. , 2015, , .		3

#	Article	IF	Citations
19	User-interface for teleoperation with mixed-signal haptic feedback. , 2017, , .		3
20	A Reconfigurable Haptic Joystick Based on Magneto-Rheological Elastomers - System Design and First Evaluation. Lecture Notes in Computer Science, 2016, , 109-119.	1.3	3
21	Improving the Prediction of Haptic Impression User Ratings Using Perception-Based Weighting Methods: Experimental Evaluation. Lecture Notes in Computer Science, 2010, , 93-98.	1.3	3
22	Simulation und Auswahl von psychometrischen Verfahren zur Ermittlung von Kennwerten menschlicher Wahrnehmung. TM Technisches Messen, 2014, 81, 173-181.	0.7	2
23	Pseudo-haptic feedback in medical teleoperation. Current Directions in Biomedical Engineering, 2015, 1, 160-163.	0.4	2
24	Human Perception Measures for Product Design and Developmentâ€"A Tutorial to Measurement Methods and Analysis. Multimodal Technologies and Interaction, 2017, 1, 28.	2.5	2
25	The Userâ€™s Role in Haptic System Design. Springer Series on Touch and Haptic Systems, 2014, , 101-123.	0.3	2
26	Evaluation of Haptic Systems. Springer Series on Touch and Haptic Systems, 2014, , 503-524.	0.3	2
27	Development of a highly dynamic force source. Procedia Chemistry, 2009, 1, 1231-1234.	0.7	1
28	Identification of Requirements. Springer Series on Touch and Haptic Systems, 2014, , 145-167.	0.3	1
29	Flow sensor for field measurement of viscous liquid usage for consumer studies. , 2015, , .		0
30	Poster session 5. Image guided, robotic and miniaturised systems for intervention and therapy II. Biomedizinische Technik, 2017, 62, .	0.8	0
31	Pseudohaptic Feedback for Teleoperated Gripping Interactions. Lecture Notes in Computer Science, 2018, , 309-320.	1.3	0
32	Itâ€™s All About the Subject - Options to Improve Psychometric Procedure Performance. Lecture Notes in Computer Science, 2016, , 394-403.	1.3	0