

# Heinrich Balthoff

## List of Publications by Year in descending order

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Version: 2024-02-01

535  
papers

23,861  
citations

9264

74  
h-index

13375

130  
g-index

550  
all docs

550  
docs citations

550  
times ranked

12568  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficacy of augmented visual environments for reducing sickness in autonomous vehicles. Applied Ergonomics, 2021, 90, 103282.	3.1	23
2	Beyond sensory conflict: The role of beliefs and perception in motion sickness. PLoS ONE, 2021, 16, e0245295.	2.5	13
3	Individual motion perception parameters and motion sickness frequency sensitivity in fore-aft motion. Experimental Brain Research, 2021, 239, 1727-1745.	1.5	16
4	Assessing the contribution of active somatosensory stimulation to self-acceleration perception in dynamic driving simulators. PLoS ONE, 2021, 16, e0259015.	2.5	1
5	Design, Analysis and Selection of Haptic Inceptor Configurations for Tilt-Rotor Application. , 2021, , .		0
6	Visual appearance modulates motor control in social interactions. Acta Psychologica, 2020, 210, 103168.	1.5	3
7	Haptic Assistance for Helicopter Control Based on Pilot Intent Estimation. Journal of Aerospace Information Systems, 2020, 17, 193-203.	1.4	7
8	Changes in the perception of upright body orientation with age. PLoS ONE, 2020, 15, e0233160.	2.5	8
9	The role of acceleration and jerk in perception of above-threshold surge motion. Experimental Brain Research, 2020, 238, 699-711.	1.5	7
10	Cortical Representation of Tactile Stickiness Evoked by Skin Contact and Glove Contact. Frontiers in Integrative Neuroscience, 2020, 14, 19.	2.1	2
11	Multisensory Interactions in Head and Body Centered Perception of Verticality. Frontiers in Neuroscience, 2020, 14, 599226.	2.8	6
12	Collaborative Problem Solving in Local and Remote VR Situations. , 2019, , .		4
13	Active Perception Based Formation Control for Multiple Aerial Vehicles. IEEE Robotics and Automation Letters, 2019, 4, 4491-4498.	5.1	41
14	Offline motion simulation framework: Optimizing motion simulator trajectories and parameters. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 66, 29-46.	3.7	6
15	Perceiving animacy purely from visual motion cues involves intraparietal sulcus. NeuroImage, 2019, 197, 120-132.	4.2	10
16	Aerial physical interaction via IDA-PBC. International Journal of Robotics Research, 2019, 38, 403-421.	8.5	22
17	An Adaptive Haptic Aid Based on Pilot Performance. , 2019, , .		0
18	An Adaptive Haptic Aid System based on Desired Pilot Dynamics. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	A Biologically-Inspired Model to Predict Perceived Visual Speed as a Function of the Stimulated Portion of the Visual Field. <i>Frontiers in Neural Circuits</i> , 2019, 13, 68.	2.8	4
20	Objective evaluation of prediction strategies for optimization-based motion cueing. <i>Simulation</i> , 2019, 95, 707-724.	1.8	11
21	Shared neural representations of tactile roughness intensities by somatosensation and touch observation using an associative learning method. <i>Scientific Reports</i> , 2019, 9, 77.	3.3	16
22	A 2-DoF Haptic Support System for Helicopter Control Tasks based on Pilot Intent Estimation. , 2019, , .		1
23	Viewpoint dependence and face recognition. , 2019, , 789-793.		8
24	Memory for navigable space is flexible and not restricted to exclusive local or global memory units.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2019, 45, 993-1013.	0.9	4
25	Continuous Subjective Rating of Perceived Motion Incongruence During Driving Simulation. <i>IEEE Transactions on Human-Machine Systems</i> , 2018, 48, 17-29.	3.5	18
26	Feel the Movement. , 2018, , .		41
27	No advantage for remembering horizontal over vertical spatial locations learned from a single viewpoint. <i>Memory and Cognition</i> , 2018, 46, 158-171.	1.6	8
28	Auditory Task Irrelevance: A Basis for Inattentional Deafness. <i>Human Factors</i> , 2018, 60, 428-440.	3.5	18
29	Decoding visual roughness perception: an fMRI study. <i>Somatosensory &amp; Motor Research</i> , 2018, 35, 212-217.	0.9	1
30	Effects of visual stimulus characteristics and individual differences in heading estimation. <i>Journal of Vision</i> , 2018, 18, 9.	0.3	11
31	Port Hamiltonian Modeling of a Cable Driven Robot. <i>IFAC-PapersOnLine</i> , 2018, 51, 161-168.	0.9	3
32	The Object Orientation Effect in Exocentric Distances. <i>Frontiers in Psychology</i> , 2018, 9, 1374.	2.1	0
33	Real-Time Nonlinear Model Predictive Control of a Motion Simulator Based on a 8-DOF Serial Robot. , 2018, , .		15
34	Modulation of vection latencies in the full-body illusion. <i>PLoS ONE</i> , 2018, 13, e0209189.	2.5	0
35	When Does the Brain Respond to Information During Visual Scanning?. , 2018, , 267-268.		0
36	Humans Construct Survey Estimates on the Fly from a Compartmentalised Representation of the Navigated Environment. <i>Lecture Notes in Computer Science</i> , 2018, , 15-26.	1.3	7

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37	Spatial Survey Estimation Is Incremental and Relies on Directed Memory Structures. Lecture Notes in Computer Science, 2018, , 27-42.	1.3	2
38	A Self-contained Teleoperated Quadrotor: On-Board State-Estimation and Indoor Obstacle Avoidance. , 2018, , .		8
39	The Effect of Road Bumps on Touch Interaction in Cars. , 2018, , .		6
40	Gravity-dependent change in the "light-from-above" prior. Scientific Reports, 2018, 8, 15131.	3.3	4
41	Body-relative horizontal-vertical anisotropy in human representations of traveled distances. Experimental Brain Research, 2018, 236, 2811-2827.	1.5	10
42	Deep Neural Network-Based Cooperative Visual Tracking Through Multiple Micro Aerial Vehicles. IEEE Robotics and Automation Letters, 2018, 3, 3193-3200.	5.1	46
43	Use the Right Sound for the Right Job. , 2018, , .		12
44	Adaptation aftereffects reveal representations for encoding of contingent social actions. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7515-7520.	7.1	15
45	Causal Inference in the Perception of Verticality. Scientific Reports, 2018, 8, 5483.	3.3	42
46	More vection means more velocity storage activity: a factor in visually induced motion sickness?. Experimental Brain Research, 2018, 236, 3031-3041.	1.5	15
47	A Distributed Control Approach to Formation Balancing and Maneuvering of Multiple Multirotor UAVs. IEEE Transactions on Robotics, 2018, 34, 870-882.	10.3	52
48	Two Ways to Facial Expression Recognition? Motor and Visual Information Have Different Effects on Facial Expression Recognition. Psychological Science, 2018, 29, 1257-1269.	3.3	12
49	Objective Model Selection for Identifying the Human Feedforward Response in Manual Control. IEEE Transactions on Cybernetics, 2018, 48, 2-15.	9.5	10
50	Where am I? In terms of my physical and of my perceived body. Journal of Vision, 2018, 18, 100.	0.3	0
51	Design and implementation of a novel architecture for physical human-UAV interaction. International Journal of Robotics Research, 2017, 36, 800-819.	8.5	30
52	Action recognition is sensitive to the identity of the actor. Cognition, 2017, 166, 201-206.	2.2	10
53	Transforming Civil Helicopters into Personal Aerial Vehicles: Modeling, Control, and Validation. Journal of Guidance, Control, and Dynamics, 2017, 40, 2481-2495.	2.8	6
54	Multimodal feedback for teleoperation of multiple mobile robots in an outdoor environment. Journal on Multimodal User Interfaces, 2017, 11, 67-80.	2.9	18

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55	Decentralized simultaneous multi-target exploration using a connected network of multiple robots. <i>Autonomous Robots</i> , 2017, 41, 989-1011.	4.8	48
56	Admittance-Adaptive Model-Based Approach to Mitigate Biodynamic Feedthrough. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 4169-4181.	9.5	3
57	Nonlinear Model Predictive Control of a Cable-Robot-Based Motion Simulator. <i>IFAC-PapersOnLine</i> , 2017, 50, 9833-9839.	0.9	19
58	Variable force-stiffness haptic feedback for learning a disturbance rejection task. , 2017, , .		5
59	A control architecture for physical human-UAV interaction with a fully actuated hexarotor. , 2017, , .		6
60	Causal Inference in Multisensory Heading Estimation. <i>PLoS ONE</i> , 2017, 12, e0169676.	2.5	36
61	Conceptual biases explain distortion differences between hand and objects in localization tasks.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2017, 43, 1444-1453.	0.9	9
62	Accumulation of Inertial Sensory Information in the Perception of Whole Body Yaw Rotation. <i>PLoS ONE</i> , 2017, 12, e0170497.	2.5	8
63	Vection is the main contributor to motion sickness induced by visual yaw rotation: Implications for conflict and eye movement theories. <i>PLoS ONE</i> , 2017, 12, e0175305.	2.5	71
64	Cultural differences in room size perception. <i>PLoS ONE</i> , 2017, 12, e0176115.	2.5	33
65	Egocentric biases in comparative volume judgments of rooms. <i>Journal of Vision</i> , 2016, 16, 2.	0.3	4
66	Action Recognition and Movement Direction Discrimination Tasks Are Associated with Different Adaptation Patterns. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 56.	2.0	7
67	Steering Demands Diminish the Early-P3, Late-P3 and RON Components of the Event-Related Potential of Task-Irrelevant Environmental Sounds. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 73.	2.0	27
68	fMRI Adaptation between Action Observation and Action Execution Reveals Cortical Areas with Mirror Neuron Properties in Human BA 44/45. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 78.	2.0	18
69	How to Best Name a Place? Facilitation and Inhibition of Route Learning Due to Descriptive and Arbitrary Location Labels. <i>Frontiers in Psychology</i> , 2016, 7, 76.	2.1	1
70	The Influence of Human Body Orientation on Distance Judgments. <i>Frontiers in Psychology</i> , 2016, 7, 217.	2.1	7
71	Qualitative differences in memory for vista and environmental spaces are caused by opaque borders, not movement or successive presentation. <i>Cognition</i> , 2016, 155, 77-95.	2.2	51
72	Adaptive Super Twisting Controller for a quadrotor UAV. , 2016, , .		19

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73	Modeling and analysis of cable vibrations for a cable-driven parallel robot. , 2016, , .		7
74	Data-driven approaches to unrestricted gaze-tracking benefit from saccade filtering. , 2016, , .		0
75	Effects of anxiety and cognitive load on instrument scanning behavior in a flight simulation. , 2016, , .		8
76	Cooperative transportation of a payload using quadrotors: A reconfigurable cable-driven parallel robot. , 2016, , .		48
77	The CableRobot simulator large scale motion platform based on cable robot technology. , 2016, , .		59
78	Visual adaptation dominates bimodal visual-motor action adaptation. Scientific Reports, 2016, 6, 23829.	3.3	7
79	Accurate 3D head pose estimation under real-world driving conditions: A pilot study. , 2016, , .		2
80	Constraints in Identification of Multi-Loop Feedforward Human Control Models. IFAC-PapersOnLine, 2016, 49, 7-12.	0.9	2
81	Biodynamic Feedthrough: Current Status and Open Issues. IFAC-PapersOnLine, 2016, 49, 120-125.	0.9	2
82	The Predictability of a Target Signal Affects Manual Feedforward Control. IFAC-PapersOnLine, 2016, 49, 177-182.	0.9	9
83	Design, Realization and Experimental Evaluation of a Haptic Stick for Shared Control Studies. IFAC-PapersOnLine, 2016, 49, 78-83.	0.9	1
84	Roll rate perceptual thresholds in active and passive curve driving simulation. Simulation, 2016, 92, 417-426.	1.8	8
85	Reaching with the sixth sense: Vestibular contributions to voluntary motor control in the human right parietal cortex. Neurolmage, 2016, 124, 869-875.	4.2	19
86	Perceptual Robotics. , 2016, , 2095-2114.		3
87	A fully actuated quadrotor UAV with a propeller tilting mechanism: Modeling and control. , 2016, , .		26
88	Ground and Aerial Mutual Localization Using Anonymous Relative-Bearing Measurements. IEEE Transactions on Robotics, 2016, 32, 1133-1151.	10.3	20
89	Neural Categorization of Vibrotactile Frequency in Flutter and Vibration Stimulations: An fMRI Study. IEEE Transactions on Haptics, 2016, 9, 455-464.	2.7	16
90	Moving-horizon nonlinear least squares-based multirobot cooperative perception. Robotics and Autonomous Systems, 2016, 83, 275-286.	5.1	0

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91	A shape-based account for holistic face processing.. Journal of Experimental Psychology: Learning Memory and Cognition, 2016, 42, 584-597.	0.9	20
92	Evaluation of haptic support system for training purposes in a tracking task. , 2016, , .		7
93	Decoding pressure stimulation locations on the fingers from human neural activation patterns. NeuroReport, 2016, 27, 1232-1236.	1.2	6
94	Aggressive Maneuver Regulation of a Quadrotor UAV. Springer Tracts in Advanced Robotics, 2016, , 95-112.	0.4	11
95	Perception of rotation, path, and heading in circular trajectories. Experimental Brain Research, 2016, 234, 2323-2337.	1.5	10
96	Obstacle detection, tracking and avoidance for a teleoperated UAV. , 2016, , .		45
97	The role of visual similarity and memory in body model distortions. Acta Psychologica, 2016, 164, 103-111.	1.5	32
98	Beyond Faces and Expertise. Psychological Science, 2016, 27, 213-222.	3.3	37
99	Not all memories are the same: Situational context influences spatial recall within one's city of residency. Psychonomic Bulletin and Review, 2016, 23, 246-252.	2.8	11
100	Learning New Sensorimotor Contingencies: Effects of Long-Term Use of Sensory Augmentation on the Brain and Conscious Perception. PLoS ONE, 2016, 11, e0166647.	2.5	41
101	A Setup for multi-UAV hardware-in-the-loop simulations. , 2015, , .		11
102	Identifying Time-Varying Neuromuscular Response: Experimental Evaluation of a RLS-based Algorithm. , 2015, , .		7
103	Human discrimination of head-centred visual inertial yaw rotations. Experimental Brain Research, 2015, 233, 3553-3564.	1.5	11
104	The Perception of Cooperativeness Without Any Visual or Auditory Communication. I-Perception, 2015, 6, 204166951561950.	1.4	0
105	Three-Dimensional Normal Facial Growth from Birth to the Age of 7 Years. Plastic and Reconstructive Surgery, 2015, 136, 490e-501e.	1.4	19
106	Forced Fusion in Multisensory Heading Estimation. PLoS ONE, 2015, 10, e0127104.	2.5	34
107	Integration of Semi-Circular Canal and Otolith Cues for Direction Discrimination during Eccentric Rotations. PLoS ONE, 2015, 10, e0136925.	2.5	8
108	Identifying Time-Varying Neuromuscular Response: A Recursive Least-Squares Algorithm with Pseudoinverse. , 2015, , .		2

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109	Methods for Multiloop Identification of Visual and Neuromuscular Pilot Responses. IEEE Transactions on Cybernetics, 2015, 45, 2780-2791.	9.5	8
110	Novel approach for calculating motion feedback in teleoperation. , 2015, , .		0
111	Moving-horizon nonlinear least squares-based multirobot cooperative perception. , 2015, , .		0
112	Autonomous vegetation identification for outdoor aerial navigation. , 2015, , .		1
113	Robust adaptive sliding mode control of a redundant cable driven parallel robot. , 2015, , .		9
114	A Novel Overactuated Quadrotor Unmanned Aerial Vehicle: Modeling, Control, and Experimental Validation. IEEE Transactions on Control Systems Technology, 2015, 23, 540-556.	5.2	271
115	Self-motion sensitivity to visual yaw rotations in humans. Experimental Brain Research, 2015, 233, 861-869.	1.5	13
116	Optimal visualâ€“vestibular integration under conditions of conflicting intersensory motion profiles. Experimental Brain Research, 2015, 233, 587-597.	1.5	44
117	Objects exhibit body model like shape distortions. Experimental Brain Research, 2015, 233, 1471-1479.	1.5	43
118	Virtual arm's reach influences perceived distances but only after experience reaching. Neuropsychologia, 2015, 70, 393-401.	1.6	60
119	Nonlinear ego-motion estimation from optical flow for online control of a quadrotor UAV. International Journal of Robotics Research, 2015, 34, 1114-1135.	8.5	45
120	The perceptual homunculus: The perception of the relative proportions of the human body.. Journal of Experimental Psychology: General, 2015, 144, 103-113.	2.1	54
121	Decentralized rigidity maintenance control with range measurements for multi-robot systems. International Journal of Robotics Research, 2015, 34, 105-128.	8.5	125
122	Reference frames in learning from maps and navigation. Psychological Research, 2015, 79, 1000-1008.	1.7	27
123	Abstract Representations of Associated Emotions in the Human Brain. Journal of Neuroscience, 2015, 35, 5655-5663.	3.6	36
124	Eye Height Manipulations. ACM Transactions on Applied Perception, 2015, 12, 1-23.	1.9	24
125	Asymmetric saccade reaction times to smooth pursuit. Experimental Brain Research, 2015, 233, 2527-2538.	1.5	9
126	Modeling, control and design optimization for a fully-actuated hexarotor aerial vehicle with tilted propellers. , 2015, , .		167



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127	Distributed target identification in robotic swarms. , 2015, , .		3
128	Design, identification and experimental testing of a light-weight flexible-joint arm for aerial physical interaction. , 2015, , .		23
129	Motor planning and control: Humans interact faster with a human than a robot avatar. Journal of Vision, 2015, 15, 52.	0.3	3
130	The Importance of Postural Cues for Determining Eye Height in Immersive Virtual Reality. PLoS ONE, 2015, 10, e0127000.	2.5	23
131	Decoding Accuracy in Supplementary Motor Cortex Correlates with Perceptual Sensitivity to Tactile Roughness. PLoS ONE, 2015, 10, e0129777.	2.5	22
132	The eyes grasp, the hands see: Metric category knowledge transfers between vision and touch. Psychonomic Bulletin and Review, 2014, 21, 976-985.	2.8	26
133	Evaluation of Haptic Shared Control and a Highway-in-the-Sky Display for Personal Aerial Vehicles. , 2014, , .		7
134	An Experimental Comparison of Haptic and Automated Pilot Support Systems. , 2014, , .		7
135	Putting Actions in Context: Visual Action Adaptation Aftereffects Are Modulated by Social Contexts. PLoS ONE, 2014, 9, e86502.	2.5	19
136	Interactive Multiple Object Tracking (iMOT). PLoS ONE, 2014, 9, e86974.	2.5	18
137	The Importance of Stimulus Noise Analysis for Self-Motion Studies. PLoS ONE, 2014, 9, e94570.	2.5	8
138	Owning an Overweight or Underweight Body: Distinguishing the Physical, Experienced and Virtual Body. PLoS ONE, 2014, 9, e103428.	2.5	122
139	The MPI Emotional Body Expressions Database for Narrative Scenarios. PLoS ONE, 2014, 9, e113647.	2.5	29
140	When in doubt follow your nose—A wayfinding strategy. Frontiers in Psychology, 2014, 5, 1363.	2.1	9
141	A comparison of geometric- and regression-based mobile gaze-tracking. Frontiers in Human Neuroscience, 2014, 8, 200.	2.0	20
142	Semi-autonomous trajectory generation for mobile robots with integral haptic shared control. , 2014, , .		35
143	A nonlinear force observer for quadrotors and application to physical interactive tasks. , 2014, , .		59
144	Contributions of visual and proprioceptive information to travelled distance estimation during changing sensory congruencies. Experimental Brain Research, 2014, 232, 3277-3289.	1.5	50

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145	A psychophysical evaluation of haptic controllers: viscosity perception of soft environments. <i>Robotica</i> , 2014, 32, 1-17.	1.9	16
146	Emotion categorization of body expressions in narrative scenarios. <i>Frontiers in Psychology</i> , 2014, 5, 623.	2.1	22
147	Visual categorization of social interactions. <i>Visual Cognition</i> , 2014, 22, 1233-1271.	1.6	16
148	Admittance-adaptive model-based cancellation of biodynamic feedthrough. , 2014, , .		2
149	Identifying time-varying neuromuscular system with a recursive least-squares algorithm: a Monte-Carlo simulation study. , 2014, , .		3
150	Reshaping the physical properties of a quadrotor through IDA-PBC and its application to aerial physical interaction. , 2014, , .		44
151	Turning a near-hovering controlled quadrotor into a 3D force effector. , 2014, , .		44
152	A semi-autonomous UAV platform for indoor remote operation with visual and haptic feedback. , 2014, , .		33
153	Pilot Adaptation to Different Classes of Haptic Aids in Tracking Tasks. <i>Journal of Guidance, Control, and Dynamics</i> , 2014, 37, 1741-1753.	2.8	24
154	Image-based road network clearing without localization and without maps using a team of UAVs. , 2014, , .		0
155	System Delay in Flight Simulators Impairs Performance and Increases Physiological Workload. <i>Lecture Notes in Computer Science</i> , 2014, , 3-11.	1.3	2
156	Motor-visual neurons and action recognition in social interactions. <i>Behavioral and Brain Sciences</i> , 2014, 37, 197-198.	0.7	1
157	Human sensitivity to vertical self-motion. <i>Experimental Brain Research</i> , 2014, 232, 303-314.	1.5	25
158	Mathematical Biodynamic Feedthrough Model Applied to Rotorcraft. <i>IEEE Transactions on Cybernetics</i> , 2014, 44, 1025-1038.	9.5	7
159	A Biodynamic Feedthrough Model Based on Neuromuscular Principles. <i>IEEE Transactions on Cybernetics</i> , 2014, 44, 1141-1154.	9.5	10
160	Active In-Hand Object Recognition on a Humanoid Robot. <i>IEEE Transactions on Robotics</i> , 2014, 30, 1260-1269.	10.3	20
161	A Framework for Biodynamic Feedthrough Analysisâ€”Part II: Validation and Application. <i>IEEE Transactions on Cybernetics</i> , 2014, 44, 1699-1710.	9.5	6
162	Local and Global Reference Frames for Environmental Spaces. <i>Quarterly Journal of Experimental Psychology</i> , 2014, 67, 542-569.	1.1	69

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163	Evidence for Hand-Size Constancy: The Dominant Hand as a Natural Perceptual Metric. <i>Psychological Science</i> , 2014, 25, 2086-2094.	3.3	15
164	A Framework for Biodynamic Feedthrough Analysis – Part I: Theoretical Foundations. <i>IEEE Transactions on Cybernetics</i> , 2014, 44, 1686-1698.	9.5	10
165	A key region in the human parietal cortex for processing proprioceptive hand feedback during reaching movements. <i>NeuroImage</i> , 2014, 84, 615-625.	4.2	47
166	Action can amplify motion-induced illusory displacement. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 1058.	2.0	4
167	Distributed functions of detection and discrimination of vibrotactile stimuli in the hierarchical human somatosensory system. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 1070.	2.0	24
168	Intersegmental Eye-Head-Body Interactions during Complex Whole Body Movements. <i>PLoS ONE</i> , 2014, 9, e95450.	2.5	9
169	The Influence of Visualization on Control Performance in a Flight Simulator. <i>Lecture Notes in Computer Science</i> , 2014, , 202-211.	1.3	2
170	A practical biodynamic feedthrough model for helicopters. <i>CEAS Aeronautical Journal</i> , 2013, 4, 421-432.	1.7	6
171	Temporal processing of self-motion: modeling reaction times for rotations and translations. <i>Experimental Brain Research</i> , 2013, 228, 51-62.	1.5	12
172	Learning to recognize face shapes through serial exploration. <i>Experimental Brain Research</i> , 2013, 226, 513-523.	1.5	3
173	Semiautonomous Haptic Teleoperation Control Architecture of Multiple Unmanned Aerial Vehicles. <i>IEEE/ASME Transactions on Mechatronics</i> , 2013, 18, 1334-1345.	5.8	154
174	Integration of visual and inertial cues in the perception of angular self-motion. <i>Experimental Brain Research</i> , 2013, 231, 209-218.	1.5	37
175	Saccade reaction time asymmetries during task-switching in pursuit tracking. <i>Experimental Brain Research</i> , 2013, 230, 271-281.	1.5	4
176	Egocentric distance perception in large screen immersive displays. <i>Displays</i> , 2013, 34, 153-164.	3.7	43
177	A New View on Biodynamic Feedthrough Analysis: Unifying the Effects on Forces and Positions. <i>IEEE Transactions on Cybernetics</i> , 2013, 43, 129-142.	9.5	14
178	A visual and force feedback for multi-robot teleoperation in outdoor environments: A preliminary result. , 2013, , .		8
179	A comparison of scale estimation schemes for a quadrotor UAV based on optical flow and IMU measurements. , 2013, , .		26
180	Learning to navigate: Experience versus maps. <i>Cognition</i> , 2013, 129, 24-30.	2.2	35

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181	Influences of Simulator Motion System Characteristics on Pilot Control Behavior. <i>Journal of Guidance, Control, and Dynamics</i> , 2013, 36, 667-676.	2.8	11
182	First flight tests for a quadrotor UAV with tilting propellers. , 2013, , .		56
183	Perception of emotional body expressions in narrative scenarios. , 2013, , .		1
184	Learning to walk in virtual reality. <i>ACM Transactions on Applied Perception</i> , 2013, 10, 1-17.	1.9	40
185	The influence of shape and culture on visual volume perception of virtual rooms. , 2013, , .		2
186	Making trait judgments based on biological motion cues. , 2013, , .		0
187	The contribution of different cues of facial movement to the emotional facial expression adaptation aftereffect. <i>Journal of Vision</i> , 2013, 13, 23-23.	0.3	21
188	What the Human Brain Likes About Facial Motion. <i>Cerebral Cortex</i> , 2013, 23, 1167-1178.	2.9	56
189	Human path navigation in a three-dimensional world. <i>Behavioral and Brain Sciences</i> , 2013, 36, 544-545.	0.7	9
190	Bilateral control of the degree of connectivity in multiple mobile-robot teleoperation. , 2013, , .		14
191	Human-Centered Design and Evaluation of Haptic Cueing for Teleoperation of Multiple Mobile Robots. <i>IEEE Transactions on Cybernetics</i> , 2013, 43, 597-609.	9.5	54
192	Motion Scaling for High-Performance Driving Simulators. <i>IEEE Transactions on Human-Machine Systems</i> , 2013, 43, 265-276.	3.5	39
193	A multi-voxel pattern analysis of neural representation of vibrotactile location. , 2013, , .		1
194	The TeleKyb framework for a modular and extendible ROS-based quadrotor control. , 2013, , .		43
195	A passivity-based decentralized strategy for generalized connectivity maintenance. <i>International Journal of Robotics Research</i> , 2013, 32, 299-323.	8.5	131
196	An Open-Source Hardware/Software Architecture for Quadrotor UAVs. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013, 46, 198-205.	0.4	19
197	Vision-based Autonomous Control of a Quadrotor UAV using an Onboard RGB-D Camera and its Application to Haptic Teleoperation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013, 46, 87-92.	0.4	7
198	Three-Dimensional Assessment of Facial Development in Children With Unilateral Cleft Lip With and Without Alveolar Cleft. <i>Journal of Craniofacial Surgery</i> , 2013, 24, 313-316.	0.7	10

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199	Parametric animacy percept evoked by a single moving dot mimicking natural stimuli. <i>Journal of Vision</i> , 2013, 13, 15-15.	0.3	25
200	Welcome to Wonderland: The Influence of the Size and Shape of a Virtual Hand On the Perceived Size and Shape of Virtual Objects. <i>PLoS ONE</i> , 2013, 8, e68594.	2.5	106
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