

# Masatoshi Ishikawa

## List of Publications by Year in descending order

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400  
papers

3,677  
citations

331259

21  
h-index

344852

36  
g-index

401  
all docs

401  
docs citations

401  
times ranked

1701  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Projection Mapping onto Deforming Non-Rigid Surface Using Deformable Dot Cluster Marker. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 1235-1248.	2.9	111
2	Variable-focus lens with 1-kHz bandwidth. Optics Express, 2004, 12, 2138.	1.7	100
3	High-speed liquid lens with 2 ms response and 80.3 nm root-mean-square wavefront error. Applied Physics Letters, 2009, 94, .	1.5	95
4	Augmenting spatial awareness with Haptic Radar. , 2006, , .		77
5	High-speed gaze controller for millisecond-order pan/tilt camera. , 2011, , .		74
6	955-fps Real-time Shape Measurement of a Moving/Deforming Object using High-speed Vision for Numerous-point Analysis. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	68
7	Development of intelligent robot hand using proximity, contact and slip sensing. , 2010, , .		67
8	4.9 A 1ms high-speed vision chip with 3D-stacked 140GOPS column-parallel PEs for spatio-temporal image processing. , 2017, , .		64
9	Khronos projector. , 2005, , .		60
10	A High-Speed Mesh of Tactile Sensors Fitting Arbitrary Surfaces. IEEE Sensors Journal, 2010, 10, 822-830.	2.4	60
11	High-speed throwing motion based on kinetic chain approach. , 2008, , .		58
12	A physical model for galvanotaxis of Paramecium cell. Journal of Theoretical Biology, 2006, 242, 314-328.	0.8	57
13	1Âms Auto Pan-Tilt â€“ video shooting technology for objects in motion based on Saccade Mirror with background subtraction. Advanced Robotics, 2015, 29, 457-468.	1.1	55
14	Highly sensitive sensor for detection of initial slip and its application in a multi-fingered robot hand. , 2011, , .		53
15	High-speed autofocusing of a cell using diffraction patterns. Optics Express, 2006, 14, 3952.	1.7	48
16	Variable-focus lens with 30â€‰mm optical aperture based on liquidâ€“membraneâ€“liquid structure. Applied Physics Letters, 2013, 102, .	1.5	46
17	MIDAS projection. ACM Transactions on Graphics, 2018, 37, 1-12.	4.9	44
18	Motion planning for dynamic folding of a cloth with two high-speed robot hands and two high-speed sliders. , 2011, , .		42

#	ARTICLE	IF	CITATIONS
19	Net-Structure Proximity Sensor: High-Speed and Free-Form Sensor With Analog Computing Circuit. IEEE/ASME Transactions on Mechatronics, 2015, 20, 3232-3241.	3.7	42
20	Motion planning for dynamic knotting of a flexible rope with a high-speed robot arm. , 2010, , .		41
21	Lumipen: Projection-Based Mixed Reality for Dynamic Objects. , 2012, , .		36
22	High-Speed High-Precision Proximity Sensor for Detection of Tilt, Distance, and Contact. IEEE Robotics and Automation Letters, 2018, 3, 3224-3231.	3.3	36
23	One-handed knotting of a flexible rope with a high-speed multifingered hand having tactile sensors. , 2007, , .		35
24	Dynamic Pen Spinning Using a High-speed Multifingered Hand with High-speed Tactile Sensor. , 2006, , .		31
25	An improved low-optical-power variable focus lens with a large aperture. Optics Express, 2014, 22, 19448.	1.7	31
26	Realtime collision avoidance using a robot manipulator with light-weight small high-speed vision systems. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	30
27	A Method for Measuring the Center Position of a Two Dimensional Distributed Load Using Pressure-Conductive Rubber. Transactions of the Society of Instrument and Control Engineers, 1982, 18, 730-735.	0.1	28
28	Dynamic compensation by fusing a high-speed actuator and high-speed visual feedback with its application to fast peg-and-hole alignment. Advanced Robotics, 2014, 28, 613-624.	1.1	28
29	Dynamic compensation robot with a new high-speed vision system for flexible manufacturing. International Journal of Advanced Manufacturing Technology, 2018, 95, 4523-4533.	1.5	28
30	Real-time high-speed motion blur compensation system based on back-and-forth motion control of galvanometer mirror. Optics Express, 2015, 23, 31648.	1.7	27
31	Wafer-scale Micro-LEDs Transferred onto an Adhesive Film for Planar and Flexible Displays. Advanced Materials Technologies, 2020, 5, 2000549.	3.0	27
32	In-air typing interface for mobile devices with vibration feedback. , 2010, , .		27
33	Dynamic projection mapping onto a deformable object with occlusion based on high-speed tracking of dot marker array. , 2015, , .		26
34	Robust high-speed tracking against illumination changes for dynamic projection mapping. , 2015, , .		26
35	Visual encoder: robust and precise measurement method of rotation angle via high-speed RGB vision. Optics Express, 2016, 24, 13375.	1.7	25
36	Smart laser-scanner for 3D human-machine interface. , 2005, , .		24

#	ARTICLE	IF	CITATIONS
37	Skillful manipulation based on high-speed sensory-motor fusion. , 2009, , .		23
38	Extended Dot Cluster Marker for High-speed 3D Tracking in Dynamic Projection Mapping. , 2017, , .		23
39	High sensitivity initial slip sensor for dexterous grasp. , 2010, , .		22
40	A net-structure tactile sensor covering free-form surface and ensuring high-speed response. , 2007, , .		21
41	Multi-Target Tracking Using a Vision Chip and its Applications to Real-Time Visual Measurement. Journal of Robotics and Mechatronics, 2005, 17, 121-129.	0.5	21
42	Development of high-sensitivity slip sensor using special characteristics of pressure conductive rubber. , 2009, , .		20
43	A QVGA-Size Pixel-Parallel Image Processor for 1,000-fps Vision. IEEE Micro, 2009, 29, 58-67.	1.8	20
44	Development of Intelligent Robot Hand Using Proximity, Contact and Slip Sensing. Transactions of the Society of Instrument and Control Engineers, 2010, 46, 632-640.	0.1	20
45	VarioLight. , 2018, , .		20
46	The deformable workspace: A membrane between real and virtual space. , 2008, , .		19
47	Simple Model and Deformation Control of a Flexible Rope using Constant, High-Speed Motion of a Robot Arm. , 2012, , .		19
48	Dielectric-elastomer-based fabrication method for varifocal microlens array. Optics Express, 2017, 25, 31708.	1.7	19
49	High-Speed, Small-Deformation Catching of Soft Objects Based on Active Vision and Proximity Sensing. IEEE Robotics and Automation Letters, 2019, 4, 578-585.	3.3	19
50	How to track spermatozoa using high-speed visual feedback. , 2008, 2008, 125-8.		18
51	A new framework for microrobotic control of motile cells based on high-speed tracking and focusing. , 2008, , .		18
52	Knotting manipulation of a flexible rope by a multifingered hand system based on skill synthesis. , 2008, , .		18
53	Fast finger tracking system for in-air typing interface. , 2009, , .		18
54	Dynamic High-Speed Knotting of a Rope by a Manipulator. International Journal of Advanced Robotic Systems, 2013, 10, 361.	1.3	18

#	ARTICLE	IF	CITATIONS
55	ZoeMatrope. ACM Transactions on Graphics, 2016, 35, 1-11.	4.9	18
56	Lumipen 2: Dynamic Projection Mapping with Mirror-Based Robust High-Speed Tracking against Illumination Changes. Presence: Teleoperators and Virtual Environments, 2016, 25, 299-321.	0.3	18
57	Tracking background-oriented schlieren for observing shock oscillations of transonic flying objects. Applied Optics, 2017, 56, 3789.	2.1	18
58	A Hierarchical Control Architecture for High-Speed Visual Servoing. International Journal of Robotics Research, 2003, 22, 873-888.	5.8	17
59	Ultra high-speed Robot Based on 1 kHz vision system. , 2012, , .		17
60	Architectures and applications of high-speed vision. Optical Review, 2014, 21, 875-882.	1.2	17
61	High-speed Human / Robot Hand Interaction System. , 2015, , .		17
62	Applying High-Speed Vision Sensing to an Industrial Robot for High-Performance Position Regulation under Uncertainties. Sensors, 2016, 16, 1195.	2.1	17
63	Impedance Control Design Based on Plastic Deformation for a Robotic Arm. IEEE Robotics and Automation Letters, 2016, , 1-1.	3.3	17
64	Supportive training system for sports skill acquisition based on electrical stimulation. , 2017, , .		17
65	Robust 6-DOF motion sensing for an arbitrary rigid body by multi-view laser Doppler measurements. Optics Express, 2017, 25, 30371.	1.7	17
66	Design and Performance of a 1 ms High-Speed Vision Chip with 3D-Stacked 140 GOPS Column-Parallel PEs. Sensors, 2018, 18, 1313.	2.1	17
67	Self windowing for high-speed vision. Systems and Computers in Japan, 2001, 32, 51-58.	0.2	16
68	High-speed bipedal robot running using high-speed visual feedback. , 2014, , .		16
69	A coarse-to-fine framework for accurate positioning under uncertainties”from autonomous robot to human”robot system. International Journal of Advanced Manufacturing Technology, 2020, 108, 2929-2944.	1.5	16
70	Extended depth-of-field projection method using a high-speed projector with a synchronized oscillating variable-focus lens. Applied Optics, 2021, 60, 3917.	0.9	16
71	High-speed sensory”motor fusion for robotic grasping. Measurement Science and Technology, 2002, 13, 1767-1778.	1.4	15
72	High-Speed Vision and its Application Systems. Journal of Robotics and Mechatronics, 2014, 26, 287-301.	0.5	15

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73	Development of high speed and high sensitivity slip sensor. , 2008, , .		14
74	High sensitivity slip sensor using pressure conductive rubber. , 2009, , .		14
75	Information theoretical analysis of hierarchical nano-optical systems in the subwavelength regime. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 1772.	0.9	14
76	Dynamic Manipulation of a Cloth by High-speed Robot System using High-speed Visual Feedback. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 8076-8081.	0.4	14
77	Robust 3D tracking of unknown objects. , 2015, , .		14
78	Visual shock absorber based on maxwell model for anti-rebound control. , 2015, , .		14
79	Gain-compensated sinusoidal scanning of a galvanometer mirror in proportional-integral-differential control using the pre-emphasis technique for motion-blur compensation. Applied Optics, 2016, 55, 5640.	2.1	14
80	Dynamic Response of Elastomer-Based Liquid-Filled Variable Focus Lens. Sensors, 2019, 19, 4624.	2.1	14
81	Active projection ar using high-speed optical axis control and appearance estimation algorithm. , 2013, , .		13
82	Fast peg-and-hole alignment using visual compliance. , 2013, , .		13
83	Robust robotic grasping using IR Net-Structure Proximity Sensor to handle objects with unknown position and attitude. , 2013, , .		13
84	Anywhere surface touch. , 2014, , .		13
85	ElaMorph Projection: Deformation of 3D Shape by Dynamic Projection Mapping. , 2020, , .		13
86	A High-Speed Vision System for Moment-Based Analysis of Numerous Objects. , 2007, , .		12
87	Development of omni-directional and fast-responsive Net-Structure Proximity Sensor. , 2011, , .		12
88	Floating display screen formed by AIRR (Aerial imaging by retro-reflection) for interaction in 3D space. , 2014, , .		12
89	Generic method for crafting deformable interfaces to physically augment smartphones. , 2014, , .		12
90	High-performance robotic contour tracking based on the dynamic compensation concept. , 2016, , .		12

#	ARTICLE	IF	CITATIONS
91	Paraxial ray solution for liquid-filled variable focus lenses. Japanese Journal of Applied Physics, 2017, 56, 122501.	0.8	12
92	High-speed UAV Delivery System with Non-stop Parcel Handover Using High-speed Visual Control. , 2019, , .		12
93	High-speed liquid lens for computer vision. , 2010, , .		11
94	A Reconfigurable Embedded System for 1000 f/s Real-Time Vision. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 496-504.	5.6	11
95	High-speed 3D sensing with three-view geometry using a segmented pattern. , 2015, , .		11
96	Portable Lumipen: Dynamic SAR in Your Hand. , 2018, , .		11
97	Rubik's Cube Handling Using a High-Speed Multi-Fingered Hand and a High-Speed Vision System. , 2018, , .		11
98	Integrated control of a multiple-degree-of-freedom hand and arm using a reactive architecture based on high-speed proximity sensing. International Journal of Robotics Research, 2019, 38, 1717-1750.	5.8	11
99	Dexterous manipulation of a rhythmic gymnastics ribbon with constant, high-speed motion of a high-speed manipulator. , 2013, , .		10
100	A networked high-speed vision system for vehicle tracking. , 2014, , .		10
101	Human-robot cooperative task realization using high-speed robot hand system. , 2015, , .		10
102	3D motion sensing of any object without prior knowledge. ACM Transactions on Graphics, 2015, 34, 1-11.	4.9	10
103	Development of a brachiation robot with hook-shaped end effectors and realization of brachiation motion with a simple strategy. , 2016, , .		10
104	Tracking and recognition of a human hand in dynamic motion for Janken (rock-paper-scissors) robot. , 2016, , .		10
105	Stabilization System for UAV Landing on Rough Ground by Adaptive 3D Sensing and High-Speed Landing Gear Adjustment. Journal of Robotics and Mechatronics, 2021, 33, 108-118.	0.5	10
106	High-Speed Focal Tracking Projection Based on Liquid Lens. , 2020, , .		10
107	Real-time system for virtually touching objects in the real world using modality transformation from images to haptic information. Systems and Computers in Japan, 1999, 30, 17-24.	0.2	9
108	Real-time visual measurements using high-speed vision. , 2004, , .		9

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109	Tweezers type tool manipulation by a multifingered hand using a high-speed visual servoing. , 2008, , .		9
110	In-air Typing Interface: Realizing 3D operation for mobile devices. , 2012, , .		9
111	Automatic page turner machine for high-speed book digitization. , 2013, , .		9
112	Realizing peg-and-hole alignment with one eye-in-hand high-speed camera. , 2013, , .		9
113	Frame synchronization for networked high-speed vision systems. , 2014, , .		9
114	Real-time Landing Gear Control System Based on Adaptive 3D Sensing for Safe Landing of UAV. , 2020, , .		9
115	Pixel-wise deblurring imaging system based on active vision for structural health monitoring at a speed of 100 km/h. , 2018, , .		9
116	Sensor fusion: The state of the art. Handbook of Sensors and Actuators, 1996, , 273-283.	0.0	8
117	General-purpose vision chip architecture for real-time machine vision. Advanced Robotics, 1997, 12, 619-627.	1.1	8
118	High-resolution shape reconstruction from multiple range images based on simultaneous estimation of surface and motion. , 2009, , .		8
119	Surface image synthesis of moving spinning cans using a 1,000-fps area scan camera. Machine Vision and Applications, 2010, 21, 643-652.	1.7	8
120	Dynamic horizontal movement of a bipedal robot using frictional asymmetry. , 2012, , .		8
121	High-speed manipulation of cable connector using a high-speed robot hand. , 2013, , .		8
122	VibroTracker. , 2013, , .		8
123	Robotic pitching by rolling ball on fingers for a randomly located target. , 2016, , .		8
124	Towards assistive human-robot micro manipulation. , 2016, , .		8
125	Phyxel. , 2016, , .		8
126	Analysis of sliding behavior of a biped robot in centroid acceleration space. Robotica, 2017, 35, 636-653.	1.3	8



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127	Robotic Contour Tracing with High-Speed Vision and Force-Torque Sensing based on Dynamic Compensation Scheme. IFAC-PapersOnLine, 2017, 50, 4616-4622.	0.5	8
128	Multi-pattern Embedded Phase Shifting Using a High-Speed Projector for Fast and Accurate Dynamic 3D Measurement. , 2018, , .		8
129	Real-Time Traffic Light Detection with Frequency Patterns Using a High-Speed Camera. Sensors, 2020, 20, 4035.	2.1	8
130	Camera-less Smart Laser Projector. , 2010, , .		8
131	Occlusion-robust sensing method by using the light-field of a 3D display system toward interaction with a 3D image. Applied Optics, 2019, 58, A209.	0.9	8
132	Teaching and Programing for Robots. High Speed Target Tracking Algorithm for 1ms Visual Feedback System.. Journal of the Robotics Society of Japan, 1999, 17, 195-201.	0.0	8
133	Reconstruction of 3D Surface and Restoration of Flat Document Image from Monocular Image Sequence. Lecture Notes in Computer Science, 2013, , 350-364.	1.0	8
134	Dynamic Intelligent Systems Based on High-Speed Vision. Journal of Robotics and Mechatronics, 2019, 31, 45-56.	0.5	8
135	Column parallel vision system (CPV) for high-speed 2D image analysis. , 2001, , .		7
136	Visuomotor Integration in High-speed Manipulation System. , 2006, , .		7
137	Grasping force control of multi-fingered robot hand based on slip detection sing tactile sensor. , 2008, , .		7
138	Ptz control with head tracking for video chat. , 2009, , .		7
139	Human gait estimation using a wearable camera. , 2011, , .		7
140	Real-time 3D page tracking and book status recognition for high-speed book digitization based on adaptive capturing. , 2014, , .		7
141	Motion planning for catching a light-weight ball with high-speed visual feedback. , 2015, , .		7
142	Development of an assistive system for position control of a human hand with high speed and high accuracy. , 2016, , .		7
143	Deformation control of a multijoint manipulator based on maxwell and voigt models. , 2016, , .		7
144	Next-generation Fundus Camera with Full Color Image Acquisition in 0-lx Visible Light by 1.12-micron Square Pixel, 4K, 30-fps BSI CMOS Image Sensor with Advanced NIR Multi-spectral Imaging System. , 2018, , .		7

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145	An Active Assistant Robotic System Based on High-Speed Vision and Haptic Feedback for Human-Robot Collaboration. , 2018, , .		7
146	Effects of low video latency between visual information and physical sensation in immersive environments. , 2018, , .		7
147	High-Speed Ring Insertion by Dynamic Observable Contact Hand. , 2019, , .		7
148	Dynamic Depth-of-Field Projection for 3D Projection Mapping. , 2019, , .		7
149	Optical Gaze Control System to Realize More High-speed Active Vision. Journal of the Robotics Society of Japan, 2011, 29, 201-211.	0.0	7
150	High-speed Projection Method of Swing Plane for Golf Training. , 2020, , .		7
151	A Networked High-Speed Vision System for 1,000-FPS Visual Feature Communication. , 2007, , .		6
152	Skin games. , 2012, , .		6
153	Development of variable-focus lens with liquid-membrane-liquid structure and 30 mm optical aperture. , 2013, , .		6
154	A Pre-Compensation Fuzzy Logic Algorithm Designed for the Dynamic Compensation Robotic System. International Journal of Advanced Robotic Systems, 2015, 12, 3.	1.3	6
155	Rapid blending of closed curves based on curvature flow. Computer Aided Geometric Design, 2017, 52-53, 217-230.	0.5	6
156	Reference broadcast frame synchronization for distributed high-speed camera network. , 2018, , .		6
157	Low-cost, readily available 3D microscopy imaging system with variable focus spinner. Optics Express, 2018, 26, 30576.	1.7	6
158	Pixelwise Phase Unwrapping Based on Ordered Periods Phase Shift. Sensors, 2019, 19, 377.	2.1	6
159	Online Object Recognition Using CNN-based Algorithm on High-speed Camera Imaging: Framework for fast and robust high-speed camera object recognition based on population data cleansing and data ensemble. , 2021, , .		6
160	Active Sensor System Using Parallel Processing Circuits. Journal of Robotics and Mechatronics, 1993, 5, 31-37.	0.5	6
161	Parallel Extraction Architecture for Information of Numerous Particles in Real-Time Image Measurement. Journal of Robotics and Mechatronics, 2005, 17, 420-427.	0.5	6
162	Dynamic Manipulation of a Flexible Rope using a High-speed Robot Arm. Journal of the Robotics Society of Japan, 2013, 31, 628-638.	0.0	6

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163	A Method for Measuring the Center Position and the Total Intensity of an Output Distribution of Matrix Positioned Sensors. Transactions of the Society of Instrument and Control Engineers, 1983, 19, 381-386.	0.1	6
164	Trajectory Planning of Motile Cell for Microrobotic Applications. Journal of Robotics and Mechatronics, 2007, 19, 190-197.	0.5	6
165	Robot Hand Whose Fingertip Covered with Net-Shape Proximity Sensor - Moving Object Tracking Using Proximity Sensing -. Journal of Robotics and Mechatronics, 2011, 23, 328-337.	0.5	6
166	Digitization of Deformed Documents Using a High-Speed Multi-camera Array. Lecture Notes in Computer Science, 2013, , 394-407.	1.0	6
167	A microscopic visual feedback system. Systems and Computers in Japan, 2004, 35, 71-79.	0.2	5
168	Design of a Massively Parallel Vision Processor based on Multi-SIMD Architecture. , 2007, , .		5
169	High-S/N imaging of a moving object using a high-frame-rate camera. , 2008, , .		5
170	Wide range image sensing using a thrown-up camera. , 2010, , .		5
171	Estimation of Non-rigid Surface Deformation Using Developable Surface Model. , 2010, , .		5
172	Tweezers manipulation using high-speed visual servoing based on contact analysis. , 2011, , .		5
173	Dynamic Folding of a Cloth using a High-speed Multifingered Hand System. Journal of the Robotics Society of Japan, 2012, 30, 225-232.	0.0	5
174	Immersive virtual 3D environment based on 499 fps hand gesture interface. , 2014, , .		5
175	Winding manipulator based on high-speed visual feedback control. , 2017, , .		5
176	Estimating deformability of objects using meshless shape matching. , 2017, , .		5
177	Trajectory adjustment system for learning based on electrical stimulation. , 2017, , .		5
178	Deformable robot behavior based on the standard linear solid model. , 2017, , .		5
179	Cooperative operation between a human and a robot based on real-time measurement of location and posture of target object by high-speed vision. , 2017, , .		5
180	Development of a High-Speed, Low-Latency Telemanipulated Robot Hand System. Robotics, 2021, 10, 41.	2.1	5

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181	Classification of Metastatic Breast Cancer Cell using Deep Learning Approach. , 2021, , .		5
182	Development of Motion-Blur-Compensated High-Speed Moving Visual Inspection Vehicle for Tunnels. International Journal of Structural and Civil Engineering Research, 2016, , .	0.1	5
183	A Pixel-Parallel Algorithm for Detecting and Tracking Fast-Moving Modulated Light Signals. Journal of Robotics and Mechatronics, 2005, 17, 387-394.	0.5	5
184	The sensor fusion system: Mechanisms for integration of sensory information. Advanced Robotics, 1991, 6, 335-344.	1.1	4
185	Visualization and Estimation of Contact Stimuli using Living Microorganisms. , 2006, , .		4
186	Rapid Liquid Variable-Focus Lens with 2-ms Response. , 2006, , .		4
187	A Moment-based 3D Object Tracking Algorithm for High-speed Vision. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	4
188	Serial Algorithm for high-speed autofocusing of cells using Depth From Diffraction (DFDi) method. , 2008, , .		4
189	Meta-perception. , 2008, , .		4
190	Jumping patterns analysis for 1-DOF two-legged robot. , 2010, , .		4
191	High-speed catching based on inverse motion approach. , 2011, , .		4
192	A direct visual servo scheme based on simplified interaction matrix for high-speed manipulation. , 2012, , .		4
193	Robotic needle threading manipulation based on high-speed motion strategy using high-speed visual feedback. , 2015, , .		4
194	Development of fast-response master-slave system using high-speed non-contact 3D sensing and high-speed robot hand. , 2015, , .		4
195	Simplified deformation model and shape generation of a rhythmic gymnastics ribbon using a high-speed multi-jointed manipulator. Mechanical Engineering Journal, 2016, 3, 15-00510-15-00510.	0.2	4
196	Sonic-speed manipulation of a bull whip using a robot manipulator. , 2016, , .		4
197	Networked high-speed vision for evasive maneuver assist. ICT Express, 2017, 3, 178-182.	3.3	4
198	Planning of Knotting Based on Manipulation Skills with Consideration of Robot Mechanism/Motion and Its Realization by a Robot Hand System. Symmetry, 2017, 9, 194.	1.1	4

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199	Towel-Like Object Alignment with Human-Robot Cooperation and High-Speed Robotic Manipulation. , 2018, , .		4
200	3D Nanoscale Tracking Data Analysis for Intracellular Organelle Movement using Machine Learning Approach. , 2019, , .		4
201	Visual Calibration for Multiview Laser Doppler Speed Sensing. Sensors, 2019, 19, 582.	2.1	4
202	Projection Mapping System To A Widely Dynamic Sphere With Circumferential Markers. , 2020, , .		4
203	Hybrid Trajectory Generation of an Articulated Manipulator for High-speed Batting. Journal of the Robotics Society of Japan, 2006, 24, 515-522.	0.0	4
204	A Sensor Fusion System Using Physical Network As Internal Models. Transactions of the Society of Instrument and Control Engineers, 1990, 26, 803-810.	0.1	4
205	Pre-shaping of the Fingertip of Robot Hand Covered with Net Structure Proximity Sensor. Transactions of the Society of Instrument and Control Engineers, 2012, 48, 232-240.	0.1	4
206	Bilateral Motion Display: Strategy to Provide Multiple Visual Perception Using Afterimage Effects for Specific Motion. , 2019, , .		4
207	Effects of Latency in Visual Feedback on Human Performance of Path-Steering Tasks. , 2019, , .		4
208	An extended depth-of-field projection method using a high-speed projector with a synchronized oscillating variable focus lens. , 2020, , .		4
209	Robust optical axis control of monocular active gazing based on pan-tilt mirrors for high dynamic targets. Optics Express, 2021, 29, 40214.	1.7	4
210	ARSlice: Head-Mounted Display Augmented with Dynamic Tracking and Projection. Journal of Computer Science and Technology, 2022, 37, 666-679.	0.9	4
211	<title>Column parallel vision system: CPV</title>. , 2002, , .		3
212	VCS-IV: A real-time vision system using a digital vision chip. Electronics and Communications in Japan, 2006, 89, 34-43.	0.2	3
213	A sensor selection method considering communication delays. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai) Tj ETQq1 1 0.7843140gBT /Overclock 10		3
214	Study of high speed and high sensitivity slip sensor characteristic of conductive material. , 2008, , .		3
215	Knottng Manipulation of a Flexible Rope Using a High-speed Multifingered Hand and High-speed Visual and Tactile Sensory Feedback. Journal of the Robotics Society of Japan, 2009, 27, 1016-1024.	0.0	3
216	Virtual Haptic Radar. , 2009, , .		3

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217	High Speed Dexterous Manipulation with High Speed Vision. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 395-400.	0.4	3
218	Implementation and evaluation of FAST corner detection on the massively parallel embedded processor MX-G. , 2011, , .		3
219	Stereo 3D reconstruction using prior knowledge of indoor scenes. , 2011, , .		3
220	3D rectification of distorted document image based on tiled rectangle fragments. , 2014, , .		3
221	Rapid SVBRDF Measurement by Algebraic Solution Based on Adaptive Illumination. , 2014, , .		3
222	Development of High-speed Bipedal Running Robot System (ACHIRES). Journal of the Robotics Society of Japan, 2015, 33, 482-489.	0.0	3
223	Mirror-based high-speed gaze controller calibration with optics and illumination control. , 2015, , .		3
224	High-speed image rotator for blur-canceling roll camera. , 2015, , .		3
225	High-speed 3D Sensing with Three-view Geometry Using a Segmented Pattern. Transactions of the Society of Instrument and Control Engineers, 2016, 52, 141-151.	0.1	3
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