Masatoshi Ishikawa

List of Publications by Year
in descending order

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400	3,677	331670	345221
papers	citations	21 h-index	36 g-index

401	401	401	1701
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Differential Frequency Heterodyne Time-of-Flight Imaging for Instantaneous Depth and Velocity Estimation. ACM Transactions on Graphics, 2023, 42, 1-13.	7.2	1
2	Hybrid surface measuring system for motion-blur compensation and focus adjustment using a deformable mirror. Applied Optics, 2022, 61, 429.	1.8	0
3	Wide High-resolution Projection System Using High-speed Gaze Point Estimation. Transactions of the Society of Instrument and Control Engineers, 2022, 58, 42-51.	0.2	0
4	A Generative Adversarial Network Approach to Metastatic Cancer Cell Images. , 2022, , .		0
5	ARSlice: Head-Mounted Display Augmented with Dynamic Tracking and Projection. Journal of Computer Science and Technology, 2022, 37, 666-679.	1.5	4
6	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
7	Dynamic Iris Authentication by High-speed Gaze and Focus Control. , 2021, , .		1
8	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.	1.0	10
9	Development of a High-Speed, Low-Latency Telemanipulated Robot Hand System. Robotics, 2021, 10, 41.	3.5	5
10	Dynamic perceptive compensation for the rotating snakes illusion with eye tracking. PLoS ONE, 2021, 16, e0247937.	2.5	2
11	Human-Robot Collaboration with Force Feedback Utilizing Bimanual Coordination. , 2021, , .		2
12	Classification of Metastatic Breast Cancer Cell using Deep Learning Approach. , 2021, , .		5
13	Extended depth-of-field projection method using a high-speed projector with a synchronized oscillating variable-focus lens. Applied Optics, 2021, 60, 3917.	1.8	16
14	BIFNOM: Binary-Coded Features on Normal Maps. Sensors, 2021, 21, 3469.	3.8	2
15	Advanced Multi-NIR Spectral Image Sensor with Optimized Vision Sensing System and Its Impact on Innovative Applications. , 2021, , .		0
16	6.4: Interactive Dynamic Extended Depthâ€ofâ€Field Projection Mapping with Variable Focus Lens and Visual Feedback Control. Digest of Technical Papers SID International Symposium, 2021, 52, 123-123.	0.3	0
17	Sub-Frame Evaluation of Frame Synchronization for Camera Network Using Linearly Oscillating Light Spot. Sensors, 2021, 21, 6148.	3.8	2
18	Optimal Material Search for Infrared Markers under Non-Heating and Heating Conditions. Sensors, 2021, 21, 6527.	3.8	0

#	Article	IF	Citations
19	Robust optical axis control of monocular active gazing based on pan-tilt mirrors for high dynamic targets. Optics Express, 2021, 29, 40214.	3.4	4
20	Ellipses Ring Marker for High-speed Finger Tracking. , 2021, , .		3
21	Development of One Board, USB Type High-Speed, High-Precision Proximity Sensor and Analysis of Pre-grasp Control. Journal of the Robotics Society of Japan, 2021, 39, 862-865.	0.1	0
22	Simultaneous Augmentation of Textures and Deformation Based on Dynamic Projection Mapping. , 2021, , .		1
23	Adaptive Visual Shock Absorber with Visual-based Maxwell Model Using a Magnetic Gear. , 2020, , .		2
24	Dynamic Compensation Framework to Improve the Autonomy of Industrial Robots. , 2020, , .		0
25	Human Robot Hand Interaction with Plastic Deformation Control. Robotics, 2020, 9, 73.	3.5	2
26	Projection Mapping System To A Widely Dynamic Sphere With Circumferential Markers. , 2020, , .		4
27	Toward Dynamic Manipulation of Flexible Objects by High-Speed Robot System: From Static to Dynamic. , 2020, , .		0
28	Real-Time Traffic Light Detection with Frequency Patterns Using a High-Speed Camera. Sensors, 2020, 20, 4035.	3.8	8
29	Bolt loosening detection using multi-purpose robot hand. , 2020, , .		0
30	Extension of the Capture Range Under High-Speed Motion Using Galvanometer Mirror. , 2020, , .		3
31	Waferâ€Scale Microâ€LEDs Transferred onto an Adhesive Film for Planar and Flexible Displays. Advanced Materials Technologies, 2020, 5, 2000549.	5.8	27
32	Robot Hand Interaction Using Plastic Deformation Control with Inner Position Loop. , 2020, , .		2
33	Visualization and Data Analysis for Intracellular Transport using Computer Vision Techniques. , 2020, , .		2
34	Robust hand tracking method by synchronized high-speed cameras with orthogonal geometry. , 2020, , .		0
35	Wearable DPM System with Intelligent Imager and GPU. , 2020, , .		2
36	Deep Learning Approach to Face Pose Estimation for High-Speed Camera Network System. , 2020, , .		0

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37	A coarse-to-fine framework for accurate positioning under uncertaintiesâ€"from autonomous robot to humanâ€"robot system. International Journal of Advanced Manufacturing Technology, 2020, 108, 2929-2944.	3.0	16
38	Real-time Landing Gear Control System Based on Adaptive 3D Sensing for Safe Landing of UAV. , 2020, , .		9
39	High-Speed Focal Tracking Projection Based on Liquid Lens. , 2020, , .		10
40	Optical flow of vesicles: computer vision approach for endocytosis of nanoparticles in a living cell. , 2020, , .		1
41	A study for accelerating the speed of all-in-focus image processing. , 2020, , .		0
42	Continuous high-resolution observation system using high-speed gaze and focus control with wide-angle triangulation. , 2020, , .		3
43	An extended depth-of-field projection method using a high-speed projector with a synchronized oscillating variable focus lens. , 2020, , .		4
44	Laser-based drawing method for posture-free objects by photochromic active marking with high-speed coaxial gaze control. , 2020, , .		0
45	Quantitative Perception Measurement of the Rotating Snakes Illusion Considering Temporal Dependence and Gaze Information. , 2020, , .		0
46	Dynamic In-Hand Regrasping Using a High-Speed Robot Hand and High-Speed Vision. IFAC-PapersOnLine, 2020, 53, 9796-9801.	0.9	0
47	Projection-type integral 3D display using mirrors facing each other for a wide viewing angle with a downsized system. , 2020, , .		2
48	High-speed Projection Method of Swing Plane for Golf Training. , 2020, , .		7
49	High-speed motion blur compensation system in infrared region using galvanometer mirror and thermography camera. , 2020, , .		0
50	High-speed Hitting Grasping with Magripper, a Highly Backdrivable Gripper using Magnetic Gear and Plastic Deformation Control. , 2020, , .		1
51	EmnDash: M-sequence Dashed Markers on Vector-based Laser Projection for Robust High-speed Spatial Tracking. , 2020, , .		1
52	ElaMorph Projection: Deformation of 3D Shape by Dynamic Projection Mapping. , 2020, , .		13
53	High-Speed Ring Insertion by Dynamic Observable Contact Hand. , 2019, , .		7
54	Dynamic Response of Elastomer-Based Liquid-Filled Variable Focus Lens. Sensors, 2019, 19, 4624.	3.8	14

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55	Simulation of Face Pose Tracking System using Adaptive Vision Switching. , 2019, , .		3
56	Laser-based Photochromic Drawing Method for Rotating Objects with High-speed Visual Feedback. , 2019, , .		0
57	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.	8.5	11
58	Pixelwise Phase Unwrapping Based on Ordered Periods Phase Shift. Sensors, 2019, 19, 377.	3.8	6
59	Real-time Robust Lane Detection Method at a Speed of 100 km/h for a Vehicle-mounted Tunnel Surface Inspection System. , 2019, , .		1
60	Dynamic Depth-of-Field Projection for 3D Projection Mapping. , 2019, , .		7
61	3D Nanoscale Tracking Data Analysis for Intracellular Organelle Movement using Machine Learning Approach. , 2019, , .		4
62	High-Speed, Small-Deformation Catching of Soft Objects Based on Active Vision and Proximity Sensing. IEEE Robotics and Automation Letters, 2019, 4, 578-585.	5.1	19
63	Visual Calibration for Multiview Laser Doppler Speed Sensing. Sensors, 2019, 19, 582.	3.8	4
64	High-speed Image Processing Devices and Its Applications. , 2019, , .		3
65	Non-stop Handover of Parcel to Airborne UAV Based on High-speed Visual Object Tracking. , 2019, , .		1
66	High-speed UAV Delivery System with Non-stop Parcel Handover Using High-speed Visual Control. , 2019, , .		12
67	Comparison of Deep Learning and Image Processing for Tracking the Cognitive Motion of a Laboratory Mouse. , 2019, , .		3
68	Human-Robot Interaction and Collaborative Manipulation with Multimodal Perception Interface for Human. , 2019, , .		3
69	Dynamic focal tracker display. , 2019, , .		3
70	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.	1.8	8
71	Deformation Control of a Manipulator Based on the Zener Model. Journal of Robotics and Mechatronics, 2019, 31, 263-273.	1.0	3
72	Movement Analysis for Volitional Direction Change of Laboratory Mouse based on High-Speed Imaging. , 2019, , .		1

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73	Dynamic Intelligent Systems Based on High-Speed Vision. Journal of Robotics and Mechatronics, 2019, 31, 45-56.	1.0	8
74	Focus adjustable motion-blur compensation method using deformable mirror. , 2019, , .		2
75	High-speed projector and its applications. , 2019, , .		2
76	Solar energy-actuated back and forth optical mechanism. Applied Optics, 2019, 58, E7.	1.8	1
77	Brobdingnagianâ€‰Glass:â€‰Aâ€‰Micro-Stereoscopicâ€‰Telexistenceâ€‰System. , 2019, , .		1
78	Bilateral Motion Display: Strategy to Provide Multiple Visual Perception Using Afterimage Effects for Specific Motion. , 2019, , .		4
79	Effects of Latency in Visual Feedback on Human Performance of Path-Steering Tasks. , 2019, , .		4
80	Module development and fundamental study toward high-speed and high-accuracy positioning of human hand. Transactions of the JSME (in Japanese), 2018, 84, 17-00364-17-00364.	0.2	2
81	Dynamic compensation robot with a new high-speed vision system for flexible manufacturing. International Journal of Advanced Manufacturing Technology, 2018, 95, 4523-4533.	3.0	28
82	Reference broadcast frame synchronization for distributed high-speed camera network. , 2018, , .		6
83	Development and Analysis of a High-speed Human-Robot Collaborative System and its Application. , 2018, , .		1
84	VarioLight. , 2018, , .		20
85	Towel-Like Object Alignment with Human-Robot Cooperation and High-Speed Robotic Manipulation. , 2018, , .		4
86	Humanâ€“Robot Collaborative Manipulation Using a High-speed Robot Hand and a High-speed Camera. , 2018, , .		2
87	Tracking projection mosaicing by synchronized high-speed optical axis control. , 2018, , .		2
88	Human-Robot Interaction System for Micromanipulation Assistance. , 2018, , .		2
89	Portable Lumipen: Dynamic SAR in Your Hand. , 2018, , .		11
90	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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91	An Active Assistant Robotic System Based on High-Speed Vision and Haptic Feedback for Human-Robot Collaboration. , 2018, , .		7
92	Rubik's Cube Handling Using a High-Speed Multi-Fingered Hand and a High-Speed Vision System. , 2018, , .		11
93	Effects of low video latency between visual information and physical sensation in immersive environments. , 2018, , .		7
94	Synchronized High-Speed Vision Sensor Network for Expansion of Field of View. Sensors, 2018, 18, 1276.	3.8	2
95	Low-cost, readily available 3D microscopy imaging system with variable focus spinner. Optics Express, 2018, 26, 30576.	3.4	6
96	Robotic Physical Interaction Using Deformation Control Based on the Zener Model. , 2018, , .		3
97	High-Speed High-Precision Proximity Sensor for Detection of Tilt, Distance, and Contact. IEEE Robotics and Automation Letters, 2018, 3, 3224-3231.	5.1	36
98	GLATUI. , 2018, , .		1
99	Design and Performance of a 1 ms High-Speed Vision Chip with 3D-Stacked 140 GOPS Column-Parallel PEs â€. Sensors, 2018, 18, 1313.	3.8	17
100	Development of a Sensor Network System with High Sampling Rate Based on Highly Accurate Simultaneous Synchronization of Clock and Data Acquisition and Experimental Verification â€. Micromachines, 2018, 9, 325.	2.9	2
101	Multi-pattern Embedded Phase Shifting Using a High-Speed Projector for Fast and Accurate Dynamic 3D Measurement. , 2018, , .		8
102	MIDAS projection. ACM Transactions on Graphics, 2018, 37, 1-12.	7.2	44
103	Pixel-wise deblurring imaging system based on active vision for structural health monitoring at a speed of 100 km/h. , 2018, , .		9
104	High-resolution Accurate Mosaic Imaging Technique for Laser Micro-fabrication using Motion-blur Compensation. , 2018, , .		1
105	6. Dynamic Projection Mapping. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2018, 72, 332-335.	0.1	0
106	Solar Energy Actuated Optical Mechanism. , 2018, , .		0
107	Control of Elastic Robot Arm by Feedback of Shape Information with High-speed Vision. Transactions of the Society of Instrument and Control Engineers, 2018, 54, 468-475.	0.2	0
108	Investigation of the dynamic response performance for the liquid-filled variable focus lens. , 2018, , .		0

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109	Real-time high-speed motion blur compensation method using galvanometer mirror for shape sensing of microfabricated objects. , 2018, , .		2
110	4.9 A 1ms high-speed vision chip with 3D-stacked 140GOPS column-parallel PEs for spatio-temporal image processing. , 2017, , .		64
111	Rapid blending of closed curves based on curvature flow. Computer Aided Geometric Design, 2017, 52-53, 217-230.	1.2	6
112	Simultaneous position and angle control for outgoing laser beam design using two galvanometer mirrors. , 2017, , .		1
113	Analysis of sliding behavior of a biped robot in centroid acceleration space. Robotica, 2017, 35, 636-653.	1.9	8
114	Robotic Contour Tracing with High-Speed Vision and Force-Torque Sensing based on Dynamic Compensation Scheme. IFAC-PapersOnLine, 2017, 50, 4616-4622.	0.9	8
115	Motion-blur-compensated structural health monitoring system for tunnels at a speed of 100 km/h. , 2017, , .		2
116	Supportive training system for sports skill acquisition based on electrical stimulation. , 2017, , .		17
117	Paraxial ray solution for liquid-filled variable focus lenses. Japanese Journal of Applied Physics, 2017, 56, 122501.	1.5	12
118	Dynamic Projection Mapping onto Deforming Non-Rigid Surface Using Deformable Dot Cluster Marker. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 1235-1248.	4.4	111
119	Winding manipulator based on high-speed visual feedback control. , 2017, , .		5
120	Estimating deformability of objects using meshless shape matching. , 2017, , .		5
121	Development of a high-speed sensor network system with multiple sensors using simultaneous clock synchronizations. , 2017, , .		0
122	Networked high-speed vision for evasive maneuver assist. ICT Express, 2017, 3, 178-182.	4.8	4
123	Gain-compensation Methodology for a Sinusoidal Scan of a Galvanometer Mirror in Proportional-Integral-Differential Control Using Pre-emphasis Techniques. Journal of Visualized Experiments, 2017, , .	0.3	2
124	High-speed and High-accuracy Page Segmentation for Book Digitization based on 3D Sensing. Journal of the Japan Society for Precision Engineering, 2017, 83, 1192-1200.	0.1	0
125	Tracking of trajectory with dynamic deformation based on dynamic compensation concept. , 2017, , .		0
126	Extended Dot Cluster Marker for High-speed 3D Tracking in Dynamic Projection Mapping. , 2017, , .		23

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127	Trajectory adjustment system for learning based on electrical stimulation. , 2017, , .		5
128	Accurate High-Speed 3D Reconstruction Using an Array of Networked Cameras. , 2017, , .		0
129	Catching Robot Hand System in Dynamic Depth Variation with a Rotating Variable Focusing Unit. , 2017, , .		0
130	Dielectric-elastomer-based fabrication method for varifocal microlens array. Optics Express, 2017, 25, 31708.	3.4	19
131	Robust 6-DOF motion sensing for an arbitrary rigid body by multi-view laser Doppler measurements. Optics Express, 2017, 25, 30371.	3.4	17
132	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.	2.2	4
133	Deformable robot behavior based on the standard linear solid model. , 2017, , .		5
134	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
135	Tracking background-oriented schlieren for observing shock oscillations of transonic flying objects. Applied Optics, 2017, 56, 3789.	2.1	18
136	High-precision Calibration Method for Three-dimensional Measurement of a Mirror-based High-speed Optical Axis Controller. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2017, 71, J162-J171.	0.1	0
137	Architecture of High-speed Vision and Its New Evolution. Journal of the Robotics Society of Japan, 2017, 35, 570-573.	0.1	1
138	Depth of field extended imaging method based on intensification of time and spatial expansion. , 2017, , .		0
139	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.	0.2	3
140	Applying High-Speed Vision Sensing to an Industrial Robot for High-Performance Position Regulation under Uncertainties. Sensors, 2016, 16, 1195.	3.8	17
141	Visual encoder: robust and precise measurement method of rotation angle via high-speed RGB vision. Optics Express, 2016, 24, 13375.	3.4	25
142	Phyxel. , 2016, , .		2
143	ZoeMatrope for realistic and augmented materials. , 2016, , .		2
144	High-performance robotic contour tracking based on the dynamic compensation concept. , 2016, , .		12

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145	Outdoor Gesture Recognition System Using Accurate Absolute Position Coordinates. Communications in Computer and Information Science, 2016, , 101-106.	0.5	0
146	Occlusion-robust 3D sensing using aerial imaging. , 2016, , .		1
147	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.	0.4	4
148	Plastic deformation control based on time-varying impedance adjustment. , 2016, , .		0
149	Comparison of reaction times in response to electrical and Visual Stimulation using a high-speed camera. , 2016, , .		3
150	Robotic pitching by rolling ball on fingers for a randomly located target. , 2016, , .		8
151	Development of a brachiation robot with hook-shaped end effectors and realization of brachiation motion with a simple strategy. , 2016, , .		10
152	Development of a high-speed, high-accuracy robot hand for micromanipulation. , 2016, , .		0
153	Development of an assistive system for position control of a human hand with high speed and high accuracy. , 2016, , .		7
154	Towards assistive human-robot micro manipulation. , 2016, , .		8
155	Deformation control of a multijoint manipulator based on maxwell and voigt models. , 2016, , .		7
156	Hybrid LED traffic light detection using high-speed camera. , 2016, , .		3
157	Tracking and recognition of a human hand in dynamic motion for Janken (rock-paper-scissors) robot. , 2016, , .		10
158	Phyxel. , 2016, , .		8
159	Sonic-speed manipulation of a bull whip using a robot manipulator. , 2016, , .		4
160	Impedance Control Design Based on Plastic Deformation for a Robotic Arm. IEEE Robotics and Automation Letters, 2016, , 1-1.	5.1	17
161	ZoeMatrope. , 2016, , .		1
162	ZoeMatrope. ACM Transactions on Graphics, 2016, 35, 1-11.	7.2	18

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163	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
164	Application of high-speed robot hand system to human-robot cooperative motion task. Transactions of the JSME (in Japanese), 2016, 82, 16-00352-16-00352.	0.2	0
165	Rolling manipulation for throwing breaking balls by changing grasping forms. , 2016, , .		3
166	Integration of high-speed visual and tactile sensors with synchronization in a sensor network system. , 2016, , .		1
167	Lumipen 2: Dynamic Projection Mapping with Mirror-Based Robust High-Speed Tracking against Illumination Changes. Presence: Teleoperators and Virtual Environments, 2016, 25, 299-321.	0.6	18
168	Robust tracking of unknown objects through adaptive size estimation and appearance learning. , 2016, , .		2
169	Robust and adaptive keypoint-based object tracking. Advanced Robotics, 2016, 30, 258-269.	1.8	2
170	Dielectric elastomer-based laser beam pointing method with ultraviolet and visible wavelength. , 2016, , .		0
171	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
172	Immersive 3D Environment by Floating Display and High-speed Gesture UI Integration. Transactions of the Society of Instrument and Control Engineers, 2016, 52, 134-140.	0.2	3
173	Blur-Canceling Imaging by High-speed Roll Camera. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2016, 70, J209-J214.	0.1	0
174	Dynamic Information Space Based on High-Speed Sensor Technology. , 2016, , 97-136.		3
175	Robust 3D tracking of unknown objects. , 2015, , .		14
176	Visual shock absorber based on plastic deformation control. , 2015, , .		2
177	High-speed 3D sensing with three-view geometry using a segmented pattern. , 2015, , .		11
178	Human-robot cooperative task realization using high-speed robot hand system. , 2015, , .		10
179	Real-time high-speed motion blur compensation system based on back-and-forth motion control of galvanometer mirror. Optics Express, 2015, 23, 31648.	3.4	27
180	Dynamic projection mapping onto a deformable object with occlusion based on high-speed tracking of dot marker array. , 2015, , .		26

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181	A Pre-Compensation Fuzzy Logic Algorithm Designed for the Dynamic Compensation Robotic System. International Journal of Advanced Robotic Systems, 2015, 12, 3.	2.1	6
182	Analysis and Realization of Card Flicking Manipulation Using a High-Speed Robot Hand. International Journal of Advanced Robotic Systems, 2015, 12, 130.	2.1	0
183	Motion planning for catching a light-weight ball with high-speed visual feedback. , 2015, , .		7
184	Robotic needle threading manipulation based on high-speed motion strategy using high-speed visual feedback. , 2015, , .		4
185	Development of High-speed Bipedal Running Robot System (ACHIRES). Journal of the Robotics Society of Japan, 2015, 33, 482-489.	0.1	3
186	Exploiting high-speed sequences for background subtraction. , 2015, , .		0
187	High-speed Human / Robot Hand Interaction System. , 2015, , .		17
188	High-speed sensing of softness during grasping process by robot hand equipped with tactile sensor. , 2015, , .		0
189	Realizing 1D robotic catching without prediction based on dynamic compensation concept. , 2015, , .		0
190	Mirror-based high-speed gaze controller calibration with optics and illumination control. , 2015, , .		3
191	GPS error range reduction method based on linear kinematic model. , 2015, , .		1
192	High-speed image rotator for blur-canceling roll camera. , 2015, , .		3
193	Circle grid fractal pattern for calibration at different camera zoom levels. , 2015, , .		2
194	Development of fast-response master-slave system using high-speed non-contact 3D sensing and high-speed robot hand. , 2015, , .		4
195	Visual shock absorber based on maxwell model for anti-rebound control. , 2015, , .		14
196	3D motion sensing of any object without prior knowledge. ACM Transactions on Graphics, 2015, 34, 1-11.	7.2	10
197	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.	1.8	55
198	Super-Low-Latency Telemanipulation Using High-Speed Vision and High-Speed Multifingered Robot Hand. , 2015, , .		2

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199	Robotic manipulation of rotating object via twisted thread using high-speed visual sensing and feedback. , 2015, , .		1
200	Robust high-speed tracking against illumination changes for dynamic projection mapping. , 2015, , .		26
201	Net-Structure Proximity Sensor: High-Speed and Free-Form Sensor With Analog Computing Circuit. IEEE/ASME Transactions on Mechatronics, 2015, 20, 3232-3241.	5.8	42
202	A Novel Precise Laser Beam Pointing Method with Dielectric Elastomer. , 2015, , .		0
203	Throwing and shooting manipulations of playing cards using a high-speed multifingered hand and a vision system. , 2014, , .		0
204	High-speed bipedal robot running using high-speed visual feedback. , 2014, , .		16
205	Planar sliding analysis of a biped robot in centroid acceleration space. , 2014, , .		0
206	Architectures and applications of high-speed vision. Optical Review, 2014, 21, 875-882.	2.0	17
207	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.	1.8	28
208	An adaptive achromatic doublet design by double variable focus lenses. , 2014, , .		0
209	Target tracking behind occlusions using a networked high-speed vision system. , 2014, , .		1
210	Floating display screen formed by AIRR (Aerial imaging by retro-reflection) for interaction in 3D space. , 2014, , .		12
211	Frame synchronization for networked high-speed vision systems. , 2014, , .		9
212	Anywhere surface touch. , 2014, , .		13
213	An improved low-optical-power variable focus lens with a large aperture. Optics Express, 2014, 22, 19448.	3.4	31
214	In-Air finger motion interface for mobile devices with vibration feedback. IEEJ Transactions on Electrical and Electronic Engineering, 2014, 9, 375-383.	1.4	0
215	Manipulation model of thread-rotor object by a robotic hand for high-speed visual feedback control. , 2014, , .		1
216	Immersive virtual 3D environment based on 499 fps hand gesture interface. , 2014, , .		5

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217	Generic method for crafting deformable interfaces to physically augment smartphones. , 2014, , .		12
218	3D rectification of distorted document image based on tiled rectangle fragments. , 2014, , .		3
219	Real-time 3D page tracking and book status recognition for high-speed book digitization based on adaptive capturing. , 2014, , .		7
220	A networked high-speed vision system for vehicle tracking. , 2014, , .		10
221	Collision Avoidance of Intelligent Vehicle based on Networked High-speed Vision System. , 2014, , .		0
222	A pair of diopter-adjustable eyeglasses for presbyopia correction. Proceedings of SPIE, 2014, , .	0.8	2
223	Rapid SVBRDF Measurement by Algebraic Solution Based on Adaptive Illumination. , 2014, , .		3
224	High-Speed Vision and its Application Systems. Journal of Robotics and Mechatronics, 2014, 26, 287-301.	1.0	15
225	Future Direction of Image Sensor Technologies and Applications in Japan. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2014, 68, 12-20.	0.1	0
226	High-speed object tracking across multiple networked cameras. , 2013, , .		2
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