

Rin-ichiro Taniguchi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3635238/publications.pdf>

Version: 2024-02-01

85
papers

932
citations

687363

13
h-index

610901

24
g-index

86
all docs

86
docs citations

86
times ranked

1050
citing authors

#	ARTICLE	IF	CITATIONS
1	Light Field Distortion Feature for Transparent Object Recognition. , 2013, , .		61
2	Evaluating Indoor Positioning Systems in a Shopping Mall: The Lessons Learned From the IPIN 2018 Competition. IEEE Access, 2019, 7, 148594-148628.	4.2	60
3	Learning unified binary codes for cross-modal retrieval via latent semantic hashing. Neurocomputing, 2016, 213, 191-203.	5.9	53
4	Indoor Positioning System Based on Chest-Mounted IMU. Sensors, 2019, 19, 420.	3.8	48
5	Robust Vehicle Detection and Counting Algorithm Employing a Convolution Neural Network and Optical Flow. Sensors, 2019, 19, 4588.	3.8	47
6	Analytics of Deep Neural Network-Based Background Subtraction. Journal of Imaging, 2018, 4, 78.	3.0	41
7	An Easy-to-Setup 3D Phenotyping Platform for KOMATSUNA Dataset. , 2017, , .		40
8	End-to-End Learning Framework for IMU-Based 6-DOF Odometry. Sensors, 2019, 19, 3777.	3.8	37
9	The IPIN 2019 Indoor Localisation Competitionâ€™Description and Results. IEEE Access, 2020, 8, 206674-206718.	4.2	37
10	Fall detection using optical level anonymous image sensing system. Optics and Laser Technology, 2019, 110, 44-61.	4.6	29
11	Object detection based on spatiotemporal background models. Computer Vision and Image Understanding, 2014, 122, 84-91.	4.7	25
12	Non-Linear Matrix Completion for Social Image Tagging. IEEE Access, 2017, 5, 6688-6696.	4.2	25
13	Background Modeling Based on Bidirectional Analysis. , 2013, , .		24
14	Sparse Cost Volume for Efficient Stereo Matching. Remote Sensing, 2018, 10, 1844.	4.0	23
15	Adapting Local Features for Face Detection in Thermal Image. Sensors, 2017, 17, 2741.	3.8	22
16	Faster CNN-based vehicle detection and counting strategy for fixed camera scenes. Multimedia Tools and Applications, 2022, 81, 25443-25471.	3.9	18
17	Anonymous Camera for Privacy Protection. , 2014, , .		17
18	TransCut2: Transparent Object Segmentation From a Light-Field Image. IEEE Transactions on Computational Imaging, 2019, 5, 465-477.	4.4	15

#	ARTICLE	IF	CITATIONS
19	Face recognition under varying illumination using Mahalanobis self-organizing map. <i>Artificial Life and Robotics</i> , 2008, 13, 298-301.	1.2	14
20	Camera array calibration for light field acquisition. <i>Frontiers of Computer Science</i> , 2015, 9, 691-702.	2.4	14
21	Hand gesture based TV control system — Towards both user- & machine-friendly gesture applications. , 2013, , .		13
22	Shape and light directions from shading and polarization. , 2015, , .		13
23	High-Speed Imaging Using CMOS Image Sensor With Quasi Pixel-Wise Exposure. <i>IEEE Transactions on Computational Imaging</i> , 2020, 6, 463-476.	4.4	13
24	Adaptive background model registration for moving cameras. <i>Pattern Recognition Letters</i> , 2017, 96, 86-95.	4.2	12
25	Rethinking Background And Foreground In Deep Neural Network-Based Background Subtraction. , 2020, , .		12
26	Plant Growth Prediction using Convolutional LSTM. , 2019, , .		12
27	Statistical Local Difference Pattern for Background Modeling. <i>IPSJ Transactions on Computer Vision and Applications</i> , 2011, 3, 198-210.	4.4	11
28	Light field distortion feature for transparent object classification. <i>Computer Vision and Image Understanding</i> , 2015, 139, 122-135.	4.7	11
29	Half-sweep imaging for depth from defocus. <i>Image and Vision Computing</i> , 2014, 32, 954-964.	4.5	10
30	Change detection on light field for active video surveillance. , 2015, , .		10
31	Face recognition across illumination. <i>Artificial Life and Robotics</i> , 2008, 12, 33-37.	1.2	9
32	Case-based background modeling: associative background database towards low-cost and high-performance change detection. <i>Machine Vision and Applications</i> , 2014, 25, 1121-1131.	2.7	9
33	The Dynamic Photometric Stereo Method Using a Multi-Tap CMOS Image Sensor. <i>Sensors</i> , 2018, 18, 786.	3.8	9
34	Hypercolumn model: A combination model of hierarchical self-organizing maps and neocognitron for image recognition. <i>Systems and Computers in Japan</i> , 2000, 31, 49-61.	0.2	8
35	Learning multi-task local metrics for image annotation. <i>Multimedia Tools and Applications</i> , 2016, 75, 2203-2231.	3.9	8
36	Reflectance and Shape Estimation with a Light Field Camera Under Natural Illumination. <i>International Journal of Computer Vision</i> , 2019, 127, 1707-1722.	15.6	8

#	ARTICLE	IF	CITATIONS
37	Background initialization based on bidirectional analysis and consensus voting. , 2016, , .		7
38	Reconstruction-Based Change Detection with Image Completion for a Free-Moving Camera. Sensors, 2018, 18, 1232.	3.8	7
39	Auxiliary Detection Head for One-Stage Object Detection. IEEE Access, 2020, 8, 85740-85749.	4.2	7
40	Efficient and Fast Traffic Congestion Classification Based on Video Dynamics and Deep Residual Network. Communications in Computer and Information Science, 2020, , 3-17.	0.5	7
41	Visual feature extraction using variable map-dimension Hypercolumn Model. , 2008, , .		6
42	Walking Velocity Model for Accurate and Massive Pedestrian Simulator. IEEJ Transactions on Electronics, Information and Systems, 2013, 133, 1779-1786.	0.2	6
43	Contribution estimation of participants for human interaction recognition. IEEJ Transactions on Electrical and Electronic Engineering, 2013, 8, 269-276.	1.4	5
44	A compact descriptor CHOG3D and its application in human action recognition. IEEJ Transactions on Electrical and Electronic Engineering, 2013, 8, 69-77.	1.4	5
45	Object Detection Based on Spatio-temporal Light Field Sensing. IPSJ Transactions on Computer Vision and Applications, 2013, 5, 129-133.	4.4	5
46	3D Plant Growth Prediction via Image-to-Image Translation. , 2020, , .		5
47	Knowledge-based picture understanding of weather charts. Pattern Recognition, 1984, 17, 109-123.	8.1	4
48	Relation of binary image complexity to grayâ€scaled image thresholding. Systems and Computers in Japan, 1987, 18, 91-101.	0.2	4
49	Motion-invariant Coding Using a Programmable Aperture Camera. IPSJ Transactions on Computer Vision and Applications, 2014, 6, 25-33.	4.4	4
50	Image annotation with incomplete labelling by modelling image specific structured loss. IEEJ Transactions on Electrical and Electronic Engineering, 2016, 11, 73-82.	1.4	4
51	Hybrid Background Modeling for Long-term and Short-term Illumination Changes. IEEJ Transactions on Electronics, Information and Systems, 2010, 130, 1524-1529.	0.2	4
52	Geometrical and statistical incremental semantic modeling on mobile devices. Computers and Graphics, 2019, 84, 199-211.	2.5	3
53	Event Effects Estimation on Electricity Demand Forecasting. Energies, 2020, 13, 5839.	3.1	3
54	Title is missing!. Journal of the Robotics Society of Japan, 2001, 19, 427-432.	0.1	3

#	ARTICLE	IF	CITATIONS
55	Multithreaded architecture for multimedia processing. Integrated Computer-Aided Engineering, 2000, 7, 19-37.	4.6	2
56	Improvement of early recognition of gesture patterns based on a self-organizing map. Artificial Life and Robotics, 2011, 16, 198-201.	1.2	2
57	Hash-based early recognition of gesture patterns. Artificial Life and Robotics, 2013, 17, 476-482.	1.2	2
58	Background light ray modeling for change detection. Journal of Visual Communication and Image Representation, 2016, 38, 55-64.	2.8	2
59	Incremental 3D Cuboid Modeling with Drift Compensation. Sensors, 2019, 19, 178.	3.8	2
60	Early Recognition and Prediction of Gestures for Embodied Proactive Human Interface. Journal of the Robotics Society of Japan, 2006, 24, 954-963.	0.1	2
61	Object Detection Based on Fast and Low-Memory Hybrid Background Model. IEJ Transactions on Electronics, Information and Systems, 2009, 129, 846-852.	0.2	2
62	On-the-fly Extrinsic Calibration of Non-Overlapping in-Vehicle Cameras based on Visual SLAM under 90-degree Backing-up Parking. , 2020, , .		2
63	Associative learning method in a hypercolumn model. Artificial Life and Robotics, 2007, 11, 76-81.	1.2	1
64	Feature map sharing hypercolumn model for shift invariant face recognition. Artificial Life and Robotics, 2009, 14, 271-274.	1.2	1
65	Object Detection Based on Combining Multiple Background Modelings. IPSJ Transactions on Computer Vision and Applications, 2010, 2, 156-168.	4.4	1
66	Maintenance of Blind Background Model for Robust Object Detection. IPSJ Transactions on Computer Vision and Applications, 2011, 3, 148-159.	4.4	1
67	Query expansion with pairwise learning in object retrieval challenge. , 2015, , .		1
68	Dynamic photometric stereo method using multi-tap CMOS image sensor. , 2016, , .		1
69	Yield Visualization Based on Farm Work Information Measured by Smart Devices. Sensors, 2018, 18, 3906.	3.8	1
70	Measuring "Nigiwai" From Pedestrian Movement. IEEE Access, 2021, 9, 24859-24871.	4.2	1
71	Real-Time Human Proxy. , 0, , 269-287.		1
72	Message from the Guest Editors-In-Chief. IPSJ Transactions on Computer Vision and Applications, 2010, 2, 214-214.	4.4	0

#	ARTICLE	IF	CITATIONS
73	WiP Abstract: Estimation of Electric Power Consumption of Individuals by Observing People's Activity. , 2012, , .		0
74	“Clickable real world” information retrieval application based on geo-visual clustering. , 2013, , .		0
75	Person re-identification visualization tool for object tracking across non-overlapping cameras. , 2015, , .		0
76	Real time vision/sensor based features processing for efficient HCI employing canonical correlation analysis. Journal of Reliable Intelligent Environments, 2016, 2, 187-195.	5.2	0
77	A Projectivity Diagnosis of Local Feature Using Template Matching. Electronics and Communications in Japan, 2017, 100, 63-72.	0.5	0
78	3D Body and Background Reconstruction in a Large-scale Indoor Scene using Multiple Depth Cameras. , 2019, , .		0
79	Movement Recommendation System Based on Multi-Spot Congestion Analytics. Sustainability, 2020, 12, 2417.	3.2	0
80	Visual Tracking of an Object with its Motion Information. IEEJ Transactions on Electronics, Information and Systems, 2009, 129, 977-984.	0.2	0
81	Object Tracking with RFID. IEEJ Transactions on Industry Applications, 2011, 131, 441-447.	0.2	0
82	Geolocation based Landmark Detection and Annotation. IEEJ Transactions on Electronics, Information and Systems, 2013, 133, 142-149.	0.2	0
83	A Projectivity Diagnosis of Local Feature Using Template Matching. IEEJ Transactions on Electronics, Information and Systems, 2016, 136, 1112-1119.	0.2	0
84	Editor's Message to Special Issue of Young Researchers' Papers. Journal of Information Processing, 2020, 28, 192-192.	0.4	0
85	SALATA: A Web Application for Visualizing Sensor Information in Farm Fields. , 2020, , .		0