Jorge Dias

List of Publications by Year
in descending order

248 papers	3,853 citations	230014 27 h-index	223390 49 g-index
261 all docs	261 docs citations	261 times ranked	3625 citing authors

#	Article	IF	Citations
1	Hierarchical Spatiotemporal Graph Regularized Discriminative Correlation Filter for Visual Object Tracking. IEEE Transactions on Cybernetics, 2022, 52, 12259-12274.	6.2	10
2	Semantic Hazard Labelling and Risk Assessment Mapping During Robot Exploration. IEEE Access, 2022, 10, 16337-16349.	2.6	5
3	Multi-level feature fusion for nucleus detection in histology images using correlation filters. Computers in Biology and Medicine, 2022, 143, 105281.	3.9	5
4	A Novel Algorithm Based on a Common Subspace Fusion for Visual Object Tracking. IEEE Access, 2022, 10, 24690-24703.	2.6	7
5	Active Perception Fruit Harvesting Robots â€" A Systematic Review. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 105, .	2.0	6
6	Telepresence Social Robotics towards Co-Presence: A Review. Applied Sciences (Switzerland), 2022, 12, 5557.	1.3	12
7	A Composite Dataset of Lumbar Spine Images with Mid-Sagittal View Annotations and Clinically Significant Spinal Measurements. , 2022, , .		2
8	Baggage Threat Detection Under Extreme Class Imbalance. , 2022, , .		2
9	Programmable Broad Learning System to Detect Concealed and Imbalanced Baggage Threats. , 2022, , .		2
10	A Review of Autonomous Glaucomatous Grading via OCT Imagery. , 2022, , .		0
11	A Composite Retinal Fundus and OCT Dataset to Grade Macular and Glaucomatous Disorders. , 2022, , .		0
12	Spatial Graph Regularized Correlation Filters for Visual Object Tracking. Advances in Intelligent Systems and Computing, 2021, , 186-195.	0.5	1
13	Evaluating the Single-Shot MultiBox Detector and YOLO Deep Learning Models for the Detection of Tomatoes in a Greenhouse. Sensors, 2021, 21, 3569.	2.1	72
14	Spatially Constrained Context-Aware Hierarchical Deep Correlation Filters for Nucleus Detection in Histology Images. Medical Image Analysis, 2021, 72, 102104.	7.0	11
15	Distributed Tracking Synchronization Protocol for a Networked of Leader-follower Unmanned Aerial Vehicles with Uncertainty. , 2021, , .		2
16	Distributed Cooperative LFC Protocols for Regulation Synchronization for Networked Multi-area Power Grid Networks. , 2021, , .		0
17	State of the art in tilt-quadrotors, modelling, control and fault recovery. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 474-486.	1.1	8
18	Interface Transparency Issues in Teleoperation. Applied Sciences (Switzerland), 2020, 10, 6232.	1.3	20

#	ARTICLE	IF	CITATIONS
19	Robust Adaptive Finite-time Tracking Control for Unmanned Aerial Vehicle with Uncertainty. , 2020, , .		2
20	Image Guided Autonomous Grasping and Manipulation for Valve Turning. , 2020, , .		2
21	Image Guided Visual Tracking Control System for Unmanned Multirotor Aerial Vehicle with Uncertainty. Robotics, 2020, 9, 103.	2.1	2
22	Gender Recognition on RGB-D Image. , 2020, , .		4
23	Robust Structural Low-Rank Tracking. IEEE Transactions on Image Processing, 2020, 29, 4390-4405.	6.0	15
24	Exploration for Object Mapping Guided by Environmental Semantics using UAVs. Remote Sensing, 2020, 12, 891.	1.8	8
25	CS-RPCA: Clustered Sparse RPCA for Moving Object Detection. , 2020, , .		5
26	Deep Bidirectional Correlation Filters for Visual Object Tracking. , 2020, , .		4
27	Input Optimisation Network for Semantic Segmentation of Underexposed Images. , 2020, , .		2
28	User-Adaptive Interaction in Social Robots: A Survey Focusing on Non-physical Interaction. International Journal of Social Robotics, 2019, 11, 185-205.	3.1	36
29	Toward a Context-Aware Human–Robot Interaction Framework Based on Cognitive Development. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 227-237.	5.9	25
30	Coverage Path Planning for Complex Structures Inspection Using Unmanned Aerial Vehicle (UAV). Lecture Notes in Computer Science, 2019, , 243-266.	1.0	9
31	Structural Low-Rank Tracking. , 2019, , .		6
32	Low-Rank Tensor Tracking. , 2019, , .		3
33	A Study on the Deployment of a Service Robot in an Elderly Care Center. International Journal of Social Robotics, 2019, 11, 317-341.	3.1	79
34	BUM: Bayesian User Model for Distributed Learning of User Characteristics From Heterogeneous Information. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 425-434.	2.6	3
35	Passive Discrete Variable Stiffness Joint (pDVSJ-II): Modeling, Design, Characterization, and Testing Toward Passive Haptic Interface. Journal of Mechanisms and Robotics, 2019, 11, .	1.5	19
36	Journal of Field Robotics special issue on MBZIRC 2017 Challenges in Autonomous Field Robotics. Journal of Field Robotics, 2019, 36, 3-5.	3.2	4

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37	Î±POMDP: POMDP-based user-adaptive decision-making for social robots. Pattern Recognition Letters, 2019, 118, 94-103.	2.6	13
38	Artificial and Virtual Impedance Interaction Force Reflection-Based Bilateral Shared Control for Miniature Unmanned Aerial Vehicle. IEEE Transactions on Industrial Electronics, 2019, 66, 329-337.	5.2	23
39	A Proposed Clinical Evaluation of a Simulation Environment for Magnetically-Driven Active Endoscopic Capsules. Advances in Experimental Medicine and Biology, 2019, 1170, 87-94.	0.8	2
40	Special issue on cognitive robotics. Cognitive Processing, 2018, 19, 231-232.	0.7	0
41	Ultra-Light Decoder for Turbo Product Codes. IEEE Communications Letters, 2018, 22, 446-449.	2.5	11
42	Circle Formation in Multi-robot Systems with Limited Visibility. Advances in Intelligent Systems and Computing, 2018, , 323-336.	0.5	0
43	An Extended Bayesian User Model (BUM) for Capturing Cultural Attributes with a Social Robot. , 2018, , .		0
44	Coverage Path Planning with Adaptive Viewpoint Sampling to Construct 3D Models of Complex Structures for the Purpose of Inspection. , 2018, , .		11
45	Discrete Cosserat Approach for Multisection Soft Manipulator Dynamics. IEEE Transactions on Robotics, 2018, 34, 1518-1533.	7.3	176
46	Design of A Novel Passive Binary-Controlled Variable Stiffness Joint (BpVSJ) Towards Passive Haptic Interface Application. IEEE Access, 2018, 6, 63045-63057.	2.6	19
47	Mobilizing human talent by competitions and challenge prizes â€" The MBZIRC case. , 2018, , .		0
48	A unified multi-soft-body dynamic model for underwater soft robots. International Journal of Robotics Research, 2018, 37, 648-666.	5.8	49
49	Introducing data analytics to the robotic drilling process. Industrial Robot, 2018, 45, 371-378.	1.2	7
50	A Natural Interface for Remote Operation of Underwater Robots. IEEE Computer Graphics and Applications, 2017, 37, 34-43.	1.0	34
51	A framework of frequency-domain flight dynamics modeling for multi-rotor aerial vehicles. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2017, 231, 30-46.	0.7	6
52	A Probabilistic Fusion Framework for 3-D Reconstruction Using Heterogeneous Sensors. IEEE Sensors Journal, 2017, 17, 2640-2641.	2.4	9
53	Screw-Based Modeling of Soft Manipulators With Tendon and Fluidic Actuation. Journal of Mechanisms and Robotics, 2017, 9, .	1.5	30
54	A Bayesian hierarchy for robust gaze estimation in humanâ€"robot interaction. International Journal of Approximate Reasoning, 2017, 87, 1-22.	1.9	6

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55	Automatic Polyp Detection in Endoscopy Videos: A Survey. , 2017, , .		26
56	Information Model and Architecture Specification for Context Awareness Interaction Decision Support in Cyber-Physical Humanâ€"Machine Systems. IEEE Transactions on Human-Machine Systems, 2017, 47, 323-331.	2.5	26
57	Haptics and virtual reality based bilateral telemanipulation of miniature aerial vehicle over open communication network. , 2017, , .		3
58	Improving robot teleoperation experience via immersive interfaces. , 2017, , .		19
59	Integration of touch attention mechanisms to improve the robotic haptic exploration of surfaces. Neurocomputing, 2017, 222, 204-216.	3.5	5
60	A Multilevel Body Motion-Based Human Activity Analysis Methodology. IEEE Transactions on Cognitive and Developmental Systems, 2017, 9, 16-29.	2.6	12
61	Interoperability in cloud robotics â€" Developing and matching knowledge information models for heterogenous multi-robot systems. , 2017, , .		3
62	Convolutional neural networkasa feature extractor for automatic polyp detection. , 2017, , .		10
63	BUM: Bayesian user model for distributed social robots. , 2017, , .		4
64	Decision making for multi-objective multi-agent search and rescue missions. , 2017, , .		2
65	Speaking robots: The challenges of acceptance by the ageing society. , 2017, , .		6
66	A Simulation Environment for Active Endoscopic Capsules. , 2017, , .		1
67	Classification of Cervical-Cancer Using Pap-Smear Images: A Convolutional Neural Network Approach. Communications in Computer and Information Science, 2017, , 261-272.	0.4	33
68	Variable Motion/Force Transmissibility of a Metamorphic Parallel Mechanism With Reconfigurable 3T and 3R Motion. Journal of Mechanisms and Robotics, 2016, 8, .	1.5	31
69	Trajectory analysis of endoscopic capsule images: A feasibility study. , 2016, , .		1
70	GPU accelerated coverage path planning optimized for accuracy in robotic inspection applications. , 2016, , .		3
71	Site inspection drone: A solution for inspecting and regulating construction sites. , 2016, , .		38
72	Context-based decision system for human-machine interaction applications. , 2016, , .		3

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73	Optimal Design of a Metamorphic Parallel Mechanism With Reconfigurable 1T2R and 3R Motion Based on Unified Motion/Force Transmissibility. , 2016, , .		1
74	Torque reflecting coordination control for bilateral shared autonomous system over open communication networks. , 2016, , .		1
75	Novel passive Discrete Variable Stiffness Joint (pDVSJ): Modeling, design, and characterization. , 2016, , .		9
76	Modeling, design & characterization of a novel Passive Variable Stiffness Joint (pVSJ). , 2016, , .		19
77	User Routine Model Using a Cloud-Connected Social Robot. , 2016, , .		1
78	Discrete Cosserat approach for soft robot dynamics: A new piece-wise constant strain model with torsion and shears. , 2016, , .		56
79	Vision-based haptic feedback for capsule endoscopy navigation: a proof of concept. Journal of Micro-Bio Robotics, 2016, 11, 35-45.	2.1	19
80	Adaptive output feedback control for miniature unmanned aerial vehicle. , 2016, , .		3
81	Bilateral shared autonomous system for MUMAV with nonpassive human and environment input interaction forces. , 2016, , .		4
82	Robust coordination control interface for networked based telerobotic system. , 2016, , .		0
83	Bayesian inference implemented on FPGA with stochastic bitstreams for an autonomous robot. , 2016, , .		3
84	Adaptive control for robot manipulators using multiple parameter models. International Journal of Control, Automation and Systems, 2016, 14, 1365-1375.	1.6	7
85	First-Principles Modeling of A Miniature Tilt-Rotor Convertiplane in Low-Speed Operation. , 2016, , .		3
86	Heterogeneous Multi-View Information Fusion: Review of 3-D Reconstruction Methods and a New Registration with Uncertainty Modeling. IEEE Access, 2016, 4, 8264-8285.	2.6	19
87	Advances and trends in visual crowd analysis: A systematic survey and evaluation of crowd modelling techniques. Neurocomputing, 2016, 186, 139-159.	3.5	77
88	Probabilistic Social Behavior Analysis by Exploring Body Motion-Based Patterns. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 1679-1691.	9.7	14
89	Robot Competitions: What Did We Learn? [Competitions]. IEEE Robotics and Automation Magazine, 2016, 23, 16-18.	2.2	14
90	Auto-Adaptive Interactive Systems for Active and Assisted Living Applications. IFIP Advances in Information and Communication Technology, 2016, , 161-168.	0.5	4

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91	Reconfiguration and Static Joint Force Variation of a 3rRPS Metamorphic Parallel Mechanism with 3R and 1T2R Motion. Mechanisms and Machine Science, 2016, , 213-222.	0.3	5
92	Unified kinematics and optimal design of a 3rRPS metamorphic parallel mechanism with a reconfigurable revolute joint. Mechanism and Machine Theory, 2016, 96, 239-254.	2.7	87
93	Joint force decomposition and variation in unified inverse dynamics analysis of a metamorphic parallel mechanism. Meccanica, 2016, 51, 1583-1593.	1.2	17
94	A survey on inspecting structures using robotic systems. International Journal of Advanced Robotic Systems, 2016, 13, 172988141666366.	1.3	59
95	ROBUST BILATERAL SHARED AUTONOMOUS SYSTEMS WITH CONSTANT INPUT INTERACTION FORCE WITH TIME VARYING DELAY. International Journal of Robotics and Automation, 2016, 31, .	0.1	1
96	On the development of a service robot for social interaction with the elderly. , 2015, , .		6
97	Designing an artificial attention system for social robots. , 2015, , .		17
98	Singularity-Free Workspace Aimed Optimal Design of a 2T2R Parallel Mechanism for Automated Fiber Placement. Journal of Mechanisms and Robotics, 2015, 7, .	1.5	34
99	On Optimal Multi-Sensor Network Configuration for 3D Registration. Journal of Sensor and Actuator Networks, 2015, 4, 293-314.	2.3	4
100	SocialRobot: An interactive mobile robot for elderly home care. , 2015, , .		29
101	Hierarchical Crowd Detection and Representation for Big Data Analytics in Visual Surveillance. , 2015, , .		8
102	Forward Kinematics Solution Distribution and Analytic Singularity-Free Workspace of Linear-Actuated Symmetrical Spherical Parallel Manipulators. Journal of Mechanisms and Robotics, 2015, 7, .	1.5	22
103	Variable Motion/Force Transmissibility of a Metamorphic Parallel Mechanism With Reconfigurable 3T and 3R Motion. , 2015, , .		2
104	Towards an immersive and natural gesture controlled interface for intervention underwater robots. , 2015, , .		7
105	Adaptive sliding mode control design for quadrotor unmanned aerial vehicle. , 2015, , .		17
106	Robust adaptive control design for quadcopter payload add and drop applications. , 2015, , .		15
107	Vision and inertial-based image mapping for capsule endoscopy. , 2015, , .		9
108	Decentralized multi-agent POMDPs framework for humans-robots teamwork coordination in search and rescue. , 2015, , .		3

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109	A review on the platform design, dynamic modeling and control of hybrid UAVs. , 2015, , .		119
110	Trajectory-based human action segmentation. Pattern Recognition, 2015, 48, 568-579.	5.1	32
111	Bilateral shared autonomous systems with passive and nonpassive input forces under time varying delay. ISA Transactions, 2015, 54, 218-228.	3.1	21
112	Constraint-plane-based synthesis and topology variation of a class of metamorphic parallel mechanisms. Journal of Mechanical Science and Technology, 2014, 28, 4179-4191.	0.7	32
113	A Survey of Small-Scale Unmanned Aerial Vehicles: Recent Advances and Future Development Trends. Unmanned Systems, 2014, 02, 175-199.	2.7	264
114	Frequency-domain flight dynamics model identification of MAVs -miniature quad-rotor aerial vehicles. , 2014, , .		5
115	Be the robot: Human embodiment in tele-operation driving tasks. , 2014, , .		16
116	Control Schemes for Passive Teleoperation Systems over Wide Area Communication Networks with Time Varying Delay. International Journal of Automation and Computing, 2014, 11, 100-108.	4.5	2
117	Knowledge-based reasoning from human grasp demonstrations for robot grasp synthesis. Robotics and Autonomous Systems, 2014, 62, 794-817.	3.0	20
118	Adaptive tracking control for quadrotor unmanned flying vehicle. , 2014, , .		7
119	Touch attention Bayesian models for robotic active haptic exploration of heterogeneous surfaces. , 2014, , .		9
120	Attentional Mechanisms for Socially Interactive Robotsâ€"A Survey. IEEE Transactions on Autonomous Mental Development, 2014, 6, 110-125.	2.3	40
121	Fundamentals of Bayesian Inference. Springer Tracts in Advanced Robotics, 2014, , 3-36.	0.3	0
122	Unified Kinematics Analysis and Analytic Singularity-Free Workspace of a Metamorphic Parallel Mechanism With Controllable Rotation Center. , 2014, , .		0
123	Increasing the Autonomy Levels for Underwater Intervention Missions by Using Learning and Probabilistic Techniques. Advances in Intelligent Systems and Computing, 2014, , 17-32.	0.5	1
124	Case-Study: Bayesian 3D Independent Motion Segmentation with IMU-aided RBG-D Sensor. Springer Tracts in Advanced Robotics, 2014, , 171-183.	0.3	0
125	Î¼-UAV Based Dynamic Target Tracking for Surveillance and Exploration. Lecture Notes in Computer Science, 2014, , 445-456.	1.0	1
126	Bayesian Programming and Modelling. Springer Tracts in Advanced Robotics, 2014, , 71-102.	0.3	0

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127	Wrapping Things Up…. Springer Tracts in Advanced Robotics, 2014, , 227-232.	0.3	0
128	Representation of 3D Space and Sensor Modelling Within a Probabilistic Framework. Springer Tracts in Advanced Robotics, 2014, , 37-69.	0.3	0
129	Bayesian Decision Theory and the Action-Perception Loop. Springer Tracts in Advanced Robotics, 2014, , 121-145.	0.3	0
130	Hierarchical Combination of Bayesian Models and Representations. Springer Tracts in Advanced Robotics, 2014, , 103-119.	0.3	0
131	Probabilistic Learning. Springer Tracts in Advanced Robotics, 2014, , 147-167.	0.3	0
132	Case-Study: Bayesian Hierarchy for Active Perception. Springer Tracts in Advanced Robotics, 2014, , 185-226.	0.3	0
133	Novelty detection and segmentation based on Gaussian mixture models: A case study in 3D robotic laser mapping. Robotics and Autonomous Systems, 2013, 61, 1696-1709.	3.0	19
134	Reconfigurability and unified kinematics modeling of a 3rTPS metamorphic parallel mechanism with perpendicular constraint screws. Robotics and Computer-Integrated Manufacturing, 2013, 29, 121-128.	6.1	53
135	Context-based perception and understanding of human intentions. , 2013, , .		3
136	Towards collaborative support system for teamwork between robots and human in hazard incidents. , 2013, , .		1
137	Internet based bilateral teleoperation system for quad-rotor flying vehicles. , 2013, , .		0
138	Probabilistic human interaction understanding. Pattern Recognition Letters, 2013, 34, 820-830.	2.6	12
139	Unified Inverse Dynamics of Variable Topologies of a Metamorphic Parallel Mechanism Using Screw Theory. , 2013, , .		1
140	Interferometric beating in digital Fourier transform holography. , 2013, , .		1
141	Photorefractive moiré-like patterns with different variation directions for multi-projection in profilometer applications. Proceedings of SPIE, 2013, , .	0.8	0
142	Unified Kinematics and Singularity Analysis of a Metamorphic Parallel Mechanism With Bifurcated Motion. Journal of Mechanisms and Robotics, 2013, 5, .	1.5	48
143	Frontier-based exploration for unknown environments using incremental triangulation. , 2013, , .		7
144	Context-aware cooperation between human and robotic teams in catastrophic incidents. , 2013, , .		0

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145	A Bayesian framework for active artificial perception. IEEE Transactions on Cybernetics, 2013, 43, 699-711.	6.2	36
146	Mapping for Unknown Environments Using Triangulated Maps. , 2013, , .		2
147	Object shape perception in blind robot grasping using a wrist force/torque sensor. , 2013, , .		2
148	Attitude control of quad-rotor UAVs using an intuitive kinematics model. , 2013, , .		1
149	Improved Semantic-Based Human Interaction Understanding Using Context-Based Knowledge. , 2013, , .		2
150	Mapping for unknown environment using incremental triangulation. , 2013, , .		0
151	Controllable Rotation Workspace of a Metamorphic Parallel Mechanism With Reconfigurable Universal Joints. , 2013, , .		0
152	Geometric exploration of virtual planes in a fusion-based 3D data registration framework. , 2013, , .		6
153	Indoor Localization and Tracking Using 802.11 Networks and Smartphones. Communications in Computer and Information Science, 2013, , 117-127.	0.4	5
154	Augmented Reality Framework for the Socialization between Elderly People. , 2013, , 430-448.		3
155	Indoor Exploration Using a Î¼UAV and a Spherical Geometry Based Visual System. IFIP Advances in Information and Communication Technology, 2013, , 200-209.	0.5	1
156	Three-dimensional reconstruction based on multiple virtual planes by using fusion-based camera network. IET Computer Vision, 2012, 6, 355.	1.3	13
157	Context-based understanding of interaction intentions. , 2012, , .		6
158	Unified kinematics modeling of variable topologies of a 3rTPS metamorphic parallel mechanism. , 2012, , .		1
159	Real time facial features tracking using an active vision system. , 2012, , .		1
160	Interrelation Analysis for Interpersonal Behaviour Understanding in Social Context. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1-6.	0.4	0
161	Parameterizing interpersonal behaviour with Laban movement analysis &#x2014; A Bayesian approach. , 2012, , .		13
162	Bayesian 3D independent motion segmentation with IMU-aided RBG-D sensor. , 2012, , .		1

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163	Identifying objects from hand configurations during in-hand exploration. , 2012, , .		4
164	Learning emergent behaviours for a hierarchical Bayesian framework for active robotic perception. Cognitive Processing, 2012, 13, 155-159.	0.7	5
165	A Probabilistic Framework to Detect Suitable Grasping Regions on Objects. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 247-252.	0.4	5
166	A hierarchical Bayesian framework for multimodal active perception. Adaptive Behavior, 2012, 20, 172-190.	1.1	25
167	Seamless horizontal and vertical mobility in VANET. , 2012, , .		14
168	Extracting data from human manipulation of objects towards improving autonomous robotic grasping. Robotics and Autonomous Systems, 2012, 60, 396-410.	3.0	43
169	Visuo-auditory Multimodal Emotional Structure to Improve Human-Robot-Interaction. International Journal of Social Robotics, 2012, 4, 29-51.	3.1	23
170	Probabilistic Classification of Grasping Behaviours Using Visuo-Haptic Perception. International Federation for Information Processing, 2012, , 241-248.	0.4	0
171	Online Topological Mapping of a Sparse Camera Network. International Federation for Information Processing, 2012, , 229-240.	0.4	1
172	Reconfiguration and Actuation Scheme of 3rTPS Metamorphic Parallel Mechanisms with Parallel Constraint Screws. , 2012, , 259-268.		0
173	Manipulative Tasks Identification by Learning and Generalizing Hand Motions. International Federation for Information Processing, 2011, , 173-180.	0.4	1
174	Vergence Using GPU Cepstral Filtering. International Federation for Information Processing, 2011, , 325-332.	0.4	0
175	Multi-sensor 3D volumetric reconstruction using CUDA. 3D Research, 2011, 2, 1.	1.8	9
176	Bayesian real-time perception algorithms on GPU. Journal of Real-Time Image Processing, 2011, 6, 171-186.	2.2	29
177	Towards human motion capture from a camera mounted on a mobile robot. Image and Vision Computing, 2011, 29, 382-393.	2.7	9
178	PhD forum: Volumetric 3D reconstruction without planar ground assumption. , 2011, , .		1
179	Inertial-visual fusion for camera network calibration. , 2011, , .		5
180	LMA-Based Human Behaviour Analysis Using HMM. International Federation for Information Processing, 2011, , 189-196.	0.4	4

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181	HMM-Based Abnormal Behaviour Detection Using Heterogeneous Sensor Network. International Federation for Information Processing, 2011, , 277-285.	0.4	5
182	Cloud Robotics: Toward Context Aware Robotic Networks. , 2011, , .		25
183	Motion Patterns: Signal Interpretation towards the Laban Movement Analysis Semantics. International Federation for Information Processing, 2011, , 333-340.	0.4	2
184	Incremental 3D Body Reconstruction Framework for Robotic Telepresence Applications. , 2011, , .		3
185	Robot Emotional State through Bayesian Visuo-Auditory Perception. International Federation for Information Processing, 2011, , 165-172.	0.4	1
186	Bayesian reasoning for Laban Movement Analysis used in human-machine interaction. International Journal of Reasoning-based Intelligent Systems, 2010, 2, 13.	0.1	15
187	Change detection in 3D environments based on Gaussian Mixture Model and robust structural matching for autonomous robotic applications. , 2010, , .		10
188	Novelty detection and 3D shape retrieval using superquadrics and multi-scale sampling for autonomous mobile robots. , 2010, , .		22
189	Probabilistic LMA-based classification of human behaviour understanding using Power Spectrum technique. , 2010, , .		15
190	Human silhouette volume reconstruction using a gravity-based virtual camera network. , 2010, , .		8
191	Probabilistic representation of 3D object shape by in-hand exploration. , 2010, , .		15
192	IMU-Aided 3D Reconstruction Based on Multiple Virtual Planes. , 2010, , .		7
193	Laban Movement Analysis towards Behavior Patterns. IFIP Advances in Information and Communication Technology, 2010, , 187-194.	0.5	5
194	A Novel Framework for Data Registration and Data Fusion in Presence of Multi-modal Sensors. IFIP Advances in Information and Communication Technology, 2010, , 308-315.	0.5	5
195	Comparing Bayesian Networks to Classify Facial Expressions. , 2010, , .		3
196	A Face Attention Technique for a Robot Able to Interpret Facial Expressions. IFIP Advances in Information and Communication Technology, 2010, , 335-342.	0.5	1
197	Exploiting Attitude Sensing in Vision-Based Navigation for an Airship. Journal of Robotics, 2009, 2009, 1-16.	0.6	7
198	Robotic implementation of biological bayesian models towards visuo-inertial image stabilization and gaze control. , 2009, , .		5

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199	Novelty detection and 3D shape retrieval based on Gaussian Mixture Models for autonomous surveillance robotics. , 2009, , .		12
200	A technique for dynamic background segmentation using a robotic stereo vision head. , 2009, , .		0
201	Implementation and calibration of a Bayesian binaural system for 3D localisation. , 2009, , .		12
202	Human Robot interaction studies on laban human movement analysis and dynamic background segmentation. , 2009, , .		7
203	3D hand trajectory segmentation by curvatures and hand orientation for classification through a probabilistic approach. , 2009, , .		19
204	T-SLAM: Registering topological and geometric maps for robot localization in large environments. , 2008, , .		13
205	Robotic implementation of biological Bayesian models for visuo-inertial image stabilization and gaze control. , 2008, , .		0
206	Multi-robot complete exploration using hill climbing and topological recovery. , 2008, , .		13
207	Laban Movement Analysis for multi-ocular systems. , 2008, , .		12
208	Laban Movement Analysis Using a Bayesian Model and Perspective Projections. , 2008, , .		7
209	Active Exploration Using Bayesian Models for Multimodal Perception. Lecture Notes in Computer Science, 2008, , 369-378.	1.0	7
210	Sharing Information Efficiently in Cooperative Multi-Robot Systems. , 2008, , 561-568.		2
211	Relative Pose Calibration Between Visual and Inertial Sensors. International Journal of Robotics Research, 2007, 26, 561-575.	5.8	172
212	Human-robot interface with anticipatory characteristics based on Laban Movement Analysis and Bayesian models. , 2007, , .		22
213	ROBUST PLACE RECOGNITION WITHIN MULTI-SENSOR VIEW SEQUENCES USING BERNOULLI MIXTURE MODELS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 529-534.	0.4	2
214	Towards a new mobility concept for cities: architecture and programming of semiâ€autonomous electric vehicles. Industrial Robot, 2007, 34, 142-149.	1.2	15
215	Trajectory recovery and 3D mapping from rotation-compensated imagery for an airship. , 2007, , .		11
216	An Introduction to Inertial and Visual Sensing. International Journal of Robotics Research, 2007, 26, 519-535.	5.8	230

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217	Human Robot Interaction Based on Bayesian Analysis of Human Movements. Lecture Notes in Computer Science, 2007, , 530-541.	1.0	1
218	Integration of Multiple Sensors using Binary Features in a Bernoulli Mixture Model. , 2006, , .		2
219	Data Fusion for 3D Gestures Tracking using a Camera mounted on a Robot. , 2006, , .		1
220	Visual Tracking Modalities for a Companion Robot. , 2006, , .		2
221	Gesture Recognition Using a Marionette Model and Dynamic Bayesian Networks (DBNs). Lecture Notes in Computer Science, 2006, , 69-80.	1.0	7
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