Andreas Birk

List of Publications by Year in descending order

193	3,264	218677	233421
papers	citations	26	45
		h-index	g-index

199	199	199	2225
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Robotics and Intelligent Systems: A New Curriculum Development and Adaptations Needed in Coronavirus Times. Advances in Intelligent Systems and Computing, 2022, , 81-93.	0.6	3
2	Robotics Labs and Other Hands-On Teaching During COVID-19: Change Is Here to Stay?. IEEE Robotics and Automation Magazine, 2021, 28, 92-102.	2.0	8
3	Registration of Magnetic Resonance Tomography (MRT) Data with a Low Frequency Adaption of Fourier-Mellin-SOFT (LF-FMS). Sensors, 2021, 21, 2581.	3.8	1
4	From Multi-Modal Property Dataset to Robot-Centric Conceptual Knowledge About Household Objects. Frontiers in Robotics and AI, 2021, 8, 476084.	3.2	4
5	Seeing through the forest and the trees with drones. Science Robotics, 2021, 6, .	17.6	5
6	Underwater Vision-Based Gesture Recognition: A Robustness Validation for Safe Human–Robot Interaction. IEEE Robotics and Automation Magazine, 2021, 28, 67-78.	2.0	8
7	A Robotics Course during COVID-19: Lessons Learned and Best Practices for Online Teaching beyond the Pandemic. Robotics, 2021, 10, 5.	3.5	14
8	Visual Object Categorization Based on Hierarchical Shape Motifs Learned From Noisy Point Cloud Decompositions. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 97, 313-338.	3.4	2
9	A Divide and Conquer Method for 3D Registration of Inhomogeneous, Partially Overlapping Scans with Fourier Mellin SOFT (FMS). , 2020, , .		3
10	Synthetic Aperture Sonar (SAS) without Navigation: Scan Registration as Basis for Near Field Synthetic Imaging in 2D. Sensors, 2020, 20, 4440.	3.8	8
11	Continuous system integration and validation for underwater perception in offshore inspection and intervention tasks. , 2020, , 9-75.		1
12	Classification and Localization of Naval Mines With Superellipse Active Contours. IEEE Journal of Oceanic Engineering, 2019, 44, 767-782.	3.8	11
13	Improved Fourier Mellin Invariant for Robust Rotation Estimation with Omni-Cameras. , 2019, , .		7
14	Model based design of a stereo vision system for intelligent deep-sea operations. Measurement: Journal of the International Measurement Confederation, 2019, 144, 298-310.	5.0	16
15	Underwater navigation using visual markers in the context of intervention missions. International Journal of Advanced Robotic Systems, 2019, 16, 172988141983896.	2.1	12
16	CADDY Underwater Stereo-Vision Dataset for Human–Robot Interaction (HRI) in the Context of Diver Activities. Journal of Marine Science and Engineering, 2019, 7, 16.	2.6	32
17	Adaptive Navigation Scheme for Optimal Deep-Sea Localization Using Multimodal Perception Cues. , 2019, , .		6
18	Revisiting Superquadric Fitting: A Numerically Stable Formulation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 220-233.	13.9	10

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19	Scale-Free Registrations in 3D: 7 Degrees of Freedom with Fourier Mellin SOFT Transforms. International Journal of Computer Vision, 2018, 126, 731-750.	15.6	16
20	Robust Continuous System Integration for Critical Deep-Sea Robot Operations Using Knowledge-Enabled Simulation in the Loop. , 2018, , .		5
21	High-Fidelity Deep-Sea Perception Using Simulation in the Loop. IFAC-PapersOnLine, 2018, 51, 32-37.	0.9	1
22	Conceptualization of Object Compositions Using Persistent Homology. , 2018, , .		0
23	Dexterous Underwater Manipulation from Onshore Locations: Streamlining Efficiencies for Remotely Operated Underwater Vehicles. IEEE Robotics and Automation Magazine, 2018, 25, 24-33.	2.0	44
24	The Pinax-model for accurate and efficient refraction correction of underwater cameras in flat-pane housings. Ocean Engineering, 2017, 133, 9-22.	4.3	68
25	Recognition and Localization of Sacks for Autonomous Container Unloading by Fitting Superquadrics in Noisy, Partial Views from a Low-cost RGBD Sensor. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 88, 57-71.	3.4	4
26	Seafloor classification for mine countermeasures operations using synthetic aperture sonar images. , 2017, , .		5
27	Robotic bridge statics assessment within strategic flood evacuation planning using low-cost sensors. , 2017, , .		2
28	Stereo-vision based diver pose estimation using LSTM recurrent neural networks for AUV navigation guidance. , 2017, , .		11
29	Efficient continuous system integration and validation for deep-sea robotics applications. , 2017, , .		13
30	CADDY project, year 3: The final validation trials. , 2017, , .		12
31	Robotic bridge inspection within strategic flood evacuation planning. , 2017, , .		3
32	Hierarchical graph-based discovery of non-primitive-shaped objects in unstructured environments. , 2016, , .		5
33	Physics-based damage-aware manipulation strategy planning using Scene Dynamics Anticipation. , 2016, , .		4
34	Anticipation and attention for robust object recognition with RGBD-data in an industrial application scenario. , 2016, , .		1
35	The European Project MORPH: Distributed UUV Systems for Multimodal, 3D Underwater Surveys. Marine Technology Society Journal, 2016, 50, 26-41.	0.4	18
36	Dexterous Undersea Interventions with Far Distance Onshore Supervision: the DexROV Project. IFAC-PapersOnLine, 2016, 49, 414-419.	0.9	18

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37	CADDY Project, Year 2: The First Validation Trials**This work is supported by the European Commission under the FP7-ICT project "CADDY - Cognitive Autonomous Diving Buddy" Grant Agreement No. 611373.. IFAC-PapersOnLine, 2016, 49, 420-425.	0.9	2
38	No More Heavy Lifting: Robotic Solutions to the Container Unloading Problem. IEEE Robotics and Automation Magazine, 2016, 23, 94-106.	2.0	31
39	Automated species counting using a hierarchical classification approach with Haar cascades and multi-descriptor random forests. , 2016, , .		2
40	Visual speed adaptation for improved sensor coverage in a multi-vehicle survey mission. , 2016, , .		0
41	Full 3D navigation correction using low frequency visual tracking with a stereo camera. , 2016, , .		5
42	Map evaluation using matched topology graphs. Autonomous Robots, 2016, 40, 761-787.	4.8	25
43	Generalized graph SLAM: Solving local and global ambiguities through multimodal and hyperedge constraints. International Journal of Robotics Research, 2016, 35, 601-630.	8.5	30
44	CADDYâ€"Cognitive Autonomous Diving Buddy: Two Years of Underwater Human-Robot Interaction. Marine Technology Society Journal, 2016, 50, 54-66.	0.4	21
45	DexROV: Enabling effective dexterous ROV operations in presence of communication latency. , 2015, , .		6
46	CADDY Project, Year 1: Overview of Technological Developments and Cooperative Behavioursâ˜…. IFAC-PapersOnLine, 2015, 48, 125-130.	0.9	5
47	Using fiducials in 3D map evaluation. , 2015, , .		1
48	DexROV: Dexterous Undersea Inspection and Maintenance in Presence of Communication Latencies. IFAC-PapersOnLine, 2015, 48, 218-223.	0.9	25
49	Visual diver detection using multi-descriptor nearest-class-mean random forests in the context of underwater Human Robot Interaction (HRI). , 2015, , .		12
50	Multi-robot exploration with AUVs on cliffs and other 3D structures with a predominant orientation. , 2015, , .		0
51	Segmentation and classification using active contours based superellipse fitting on side scan sonar images for marine demining. , 2015, , .		9
52	Overview of the FP7 project &#x201C;CADDY &#x2014; Cognitive Autonomous Diving Buddy&#x201D;. , 2015, , .		13
53	Underwater place recognition in noisy stereo data using FAB-MAP with a multimodal vocabulary from 2D texture and 3D surface descriptors. , 2015, , .		1
54	The MORPH project: Actual results. , 2015, , .		3

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55	Robust 3D object modeling with a low-cost RGBD-sensor and AR-markers for applications with untrained end-users. Robotics and Autonomous Systems, 2015, 66, 1-17.	5.1	13
56	Beyond points: Evaluating recent 3D scan-matching algorithms. , 2015, , .		60
57	EU project MORPH: Current Status After 3 Years of Cooperation Under and Above Water. IFAC-PapersOnLine, 2015, 48, 119-124.	0.9	7
58	Velvet fingers: Grasp planning and execution for an underactuated gripper with active surfaces. , 2014, , .		9
59	Object shape categorization in RGBD images using hierarchical graph constellation models based on unsupervisedly learned shape parts described by a set of shape specificity levels. , 2014, , .		7
60	Large-scale image mosaicking using multimodal hyperedge constraints from multiple registration methods within the Generalized Graph SLAM framework. , 2014, , .		2
61	Representing and solving local and global ambiguities as multimodal and hyperedge constraints in a generalized graph SLAM framework. , 2014, , .		5
62	Fitting superquadrics in noisy, partial views from a low-cost RGBD sensor for recognition and localization of sacks in autonomous unloading of shipping containers. , 2014, , .		5
63	Object recognition and localization for robust grasping with a dexterous gripper in the context of container unloading. , 2014, , .		7
64	The MORPH concept and its application in marine research. , 2013, , .		13
65	Evaluation of map quality by matching and scoring high-level, topological map structures. , 2013, , .		21
66	Spectral 6DOF Registration of Noisy 3D Range Data with Partial Overlap. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 954-969.	13.9	32
67	Simultaneous localization and mapping with multimodal probability distributions. International Journal of Robotics Research, 2013, 32, 143-171.	8.5	32
68	Initial results of cooperative AUV exploration in a high-fidelity simulation using real-world data from Monte da Guia, Azores. , 2013, , .		1
69	Large-scale mosaicking with spectral registration based simultaneous localization and mapping (iFMI-SLAM) in the Ligurian Sea. , 2013, , .		2
70	Uncertainty estimation of AR-marker poses for graph-SLAM optimization in 3D object model generation with RGBD data. , 2013, , .		5
71	Underwater stereo data acquisition and 3D registration with a spectral method. , 2013, , .		3
72	Robust estimation of camera-tilt for iFMI based underwater photo-mapping using a calibrated monocular camera. , 2013, , .		2

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73	Object recognition in RGBD images of cluttered environments using graph-based categorization with unsupervised learning of shape parts. , 2013, , .		9
74	A Distributed Algorithm for Cooperative 3D Exploration under Communication Constraints. Paladyn, 2013, 4, .	2.7	5
75	The jacobs robotics approach to object recognition and localization in the context of the ICRA'11 Solutions in Perception Challenge. , 2012, , .		17
76	A short overview of recent advances in map evaluation. , 2012, , .		5
77	Uncertainty estimation for a 6-DoF spectral registration method as basis for sonar-based underwater 3D SLAM. , 2012, , .		16
78	Cooperative 3D Exploration under Communication Constraints. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 89-93.	0.4	2
79	Cooperative Cognitive Control for Autonomous Underwater Vehicles (CO3AUVs): overview and progresses in the 3rd project year. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 361-366.	0.4	6
80	The European R&D-Project MORPH: Marine robotic systems of self-organizing, logically linked physical nodes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 226-231.	0.4	5
81	Utilizing color information in 3D scan-registration using planar-patches matching. , 2012, , .		3
82	Advances in underwater mapping and their application potential for Safety, Security, and Rescue Robotics (SSRR). , 2012, , .		5
83	The ESA Lunar Robotics Challenge: Simulating operations at the lunar south pole. Journal of Field Robotics, 2012, 29, 601-626.	6.0	6
84	Propose an RAS Summer School [Education]. IEEE Robotics and Automation Magazine, 2012, 19, 104-107.	2.0	0
85	A Corner for Educational Robotics Competitions. IEEE Robotics and Automation Magazine, 2012, 19, 21-21.	2.0	1
86	The CO<sup>3</sup>AUVs (Cooperative Cognitive Control for Autonomous Underwater) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		20
87	Using a fiducial map metric for assessing map quality in the context of RoboCup Rescue. , 2011, , .		9
88	Distributed Communicative Exploration under underwater communication constraints. , 2011, , .		8
89	Fast 6-DOF path planning for Autonomous Underwater Vehicles (AUV) based on 3D plane mapping. , 2011, , .		13
90	Using iFMI spectral registration for video stabilization and motion detection by an Unmanned Aerial Vehicle (UAV). , 2011, , .		4

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91	Gesture-recognition as basis for a human robot interface (HRI) on a AUV. , 2011, , .		12
92	Cooperative 3D mapping under underwater communication constraints. , 2011, , .		2
93	Semantic annotation of ground and vegetation types in 3D maps for autonomous underwater vehicle operation. , 2011, , .		2
94	Future RAS Support for Summer Schools [Education]. IEEE Robotics and Automation Magazine, 2011, 18, 20-20.	2.0	0
95	What is Robotics? An Interdisciplinary Field Is Getting Even More Diverse [Education]. IEEE Robotics and Automation Magazine, 2011, 18, 94-95.	2.0	15
96	Safety, Security, and Rescue Missions with an Unmanned Aerial Vehicle (UAV). Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 64, 57-76.	3.4	98
97	Spectral registration of noisy sonar data for underwater 3D mapping. Autonomous Robots, 2011, 30, 307-331.	4.8	39
98	Towards Pathplanning for Unmanned Ground Vehicles (UGV) inÂ3D Plane-Maps of Unstructured Environments. KI - Kunstliche Intelligenz, 2011, 25, 141-144.	3.2	2
99	Editorial: Safety, security, and rescue robotics special issue. Journal of Field Robotics, 2011, 28, 813-816.	6.0	3
100	Spectral registration of volume data for 6-DOF spatial transformations plus scale. , 2011, , .		6
101	Diver detection by motion-segmentation and shape-analysis from a moving vehicle. , 2011, , .		5
102	Simulating Underwater Acoustic Communications in a High Fidelity Robotics Simulator. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 587-592.	0.4	2
103	Using Robust Spectral Registration for Scan Matching of Sonar Range Data. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 611-616.	0.4	9
104	On the effects of Sampling Resolution in Improved Fourier Mellin based Registration for Underwater Mapping. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 617-622.	0.4	5
105	A quantitative assessment of structural errors in grid maps. Autonomous Robots, 2010, 28, 187-196.	4.8	19
106	Surface Representations for 3D Mapping. KI - Kunstliche Intelligenz, 2010, 24, 249-254.	3.2	10
107	Uncertainty analysis for optimum plane extraction from noisy 3D range-sensor point-clouds. Intelligent Service Robotics, 2010, 3, 37-48.	2.6	31
108	Where Else Do You See Cheering Crowds in a Classroom? [Education. IEEE Robotics and Automation Magazine, 2010, 17, 20-20.	2.0	6

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109	The True Spirit of RoboCup [Education. IEEE Robotics and Automation Magazine, 2010, 17, 108-108.	2.0	4
110	Online three‐dimensional SLAM by registration of large planar surface segments and closed‐form pose‐graph relaxation. Journal of Field Robotics, 2010, 27, 52-84.	6.0	99
111	Using recursive spectral registrations to determine brokenness as measure of structural map errors. , 2010, , .		2
112	Evaluation of the robustness of planar-patches based 3D-registration using marker-based ground-truth in an outdoor urban scenario. , 2010, , .		10
113	Plane-based registration of sonar data for underwater 3D mapping. , 2010, , .		20
114	Modeling underwater acoustic communications for multi-robot missions in a robotics simulator. , 2010, , .		11
115	Efficient Representation in Three-Dimensional Environment Modeling for Planetary Robotic Exploration. Advanced Robotics, 2010, 24, 1169-1197.	1.8	38
116	Maximum likelihood mapping with spectral image registration. , 2010, , .		27
117	Extraction of quadrics from noisy point-clouds using a sensor noise model. , 2010, , .		3
118	Exploration Strategies for a Robot with a Continously Rotating 3D Scanner. Lecture Notes in Computer Science, 2010, , 374-386.	1.3	10
119	Fast Registration Based on Noisy Planes With Unknown Correspondences for 3-D Mapping. IEEE Transactions on Robotics, 2010, 26, 424-441.	10.3	181
120	An efficient strategy for data exchange in multi-robot mapping under underwater communication constraints. , 2010, , .		15
121	A Characterization of 3D Sensors for Response Robots. Lecture Notes in Computer Science, 2010, , 264-275.	1.3	10
122	Creating Photo Maps with an Aerial Vehicle in USARsim. Lecture Notes in Computer Science, 2010, , 35-45.	1.3	0
123	Fast 3D mapping by matching planes extracted from range sensor point-clouds. , 2009, , .		38
124	Revisiting uncertainty analysis for optimum planes extracted from 3D range sensor point-clouds. , 2009, , .		23
125	3-D perception and modeling. IEEE Robotics and Automation Magazine, 2009, 16, 53-60.	2.0	21
126	3D data collection at Disaster City at the 2008 NIST Response Robot Evaluation Exercise (RREE). , 2009, , .		7

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127	A networking framework for teleoperation in safety, security, and rescue robotics. IEEE Wireless Communications, 2009, 16, 6-13.	9.0	48
128	Incorporating large scale SSRR scenarios into the high fidelity simulator USARSim. , 2009, , .		6
129	Online generation of an underwater photo map with improved Fourier Mellin based registration. , 2009, , .		27
130	Reconnaissance and camp security missions with an Unmanned Aerial Vehicle (UAV) at the 2009 European Land Robots Trials (ELROB). , 2009, , .		3
131	Fast and robust photomapping with an Unmanned Aerial Vehicle (UAV). , 2009, , .		26
132	Determining Map Quality through an Image Similarity Metric. Lecture Notes in Computer Science, 2009, , 355-365.	1.3	17
133	Planetary Exploration in USARsim: A Case Study Including Real World Data from Mars. Lecture Notes in Computer Science, 2009, , 463-472.	1.3	3
134	Towards Cooperative and Decentralized Mapping in the Jacobs Virtual Rescue Team. Lecture Notes in Computer Science, 2009, , 225-234.	1.3	3
135	Using Different Humanoid Robots for Science Edutainment of Secondary School Pupils. Lecture Notes in Computer Science, 2009, , 451-462.	1.3	2
136	A Novel Approach to Efficient Error Correction for the SwissRanger Time-of-Flight 3D Camera. Lecture Notes in Computer Science, 2009, , 247-258.	1.3	6
137	Hough based terrain classification for realtime detection of drivable ground. Journal of Field Robotics, 2008, 25, 67-88.	6.0	41
138	Sub-pixel depth accuracy with a time of flight sensor using multimodal Gaussian analysis. , 2008, , .		9
139	Augmented autonomy: Improving human-robot team performance in Urban search and rescue. , 2008, , .		17
140	Fast plane detection and polygonalization in noisy 3D range images. , 2008, , .		152
141	Efficiently communicating map updates with the pose graph. , 2008, , .		21
142	Towards Object Classification Using 3D Sensor Data. , 2008, , .		1
143	A Fuzzy Controller for Autonomous Negotiation of Stairs by a Mobile Robot with Adjustable Tracks. Lecture Notes in Computer Science, 2008, , 196-207.	1.3	5
144	3D forward sensor modeling and application to occupancy grid based sensor fusion. , 2007, , .		42

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145	Using Requirements Management Tools in Software Product Line Engineering: The State of the Practice. , 2007, , .		6
146	Fully Autonomous Operations of a Jacobs Rugbot in the RoboCup Rescue Robot League 2006. , 2007, , .		4
147	Optimized Octtree Datastructure and Access Methods for 3D Mapping. , 2007, , .		4
148	Fast Detection of Polygons in 3D Point Clouds from Noise-Prone Range Sensors. , 2007, , .		12
149	Extraction of Semantic Floor Plans from 3D Point Cloud Maps. , 2007, , .		7
150	Multi-robot exploration under the constraints of wireless networking. Control Engineering Practice, 2007, 15, 435-445.	5.5	148
151	Challenges for Requirements Engineering and Management in Software Product Line Development. , 2007, , 300-305.		15
152	A New Mechatronic Component for Adjusting the Footprint of Tracked Rescue Robots. Lecture Notes in Computer Science, 2007, , 450-457.	1.3	4
153	Detecting Humans in 2D Thermal Images by Generating 3D Models. Lecture Notes in Computer Science, 2007, , 293-307.	1.3	5
154	Vectorization of Grid Maps by an Evolutionary Algorithm. Lecture Notes in Computer Science, 2007, , 458-465.	1.3	0
155	Using Requirements Management Tools in Software Product Line Engineering: The State of the Practice. , 2007, , .		0
156	Merging Occupancy Grid Maps From Multiple Robots. Proceedings of the IEEE, 2006, 94, 1384-1397.	21.3	186
157	Rescue robotics â€" a crucial milestone on the road to autonomous systems. Advanced Robotics, 2006, 20, 595-605.	1.8	73
158	A HMI Supporting Adjustable Autonomy of Rescue Robots. Lecture Notes in Computer Science, 2006, , 255-266.	1.3	8
159	Communicative Exploration with Robot Packs. Lecture Notes in Computer Science, 2006, , 267-278.	1.3	7
160	High Fidelity Tools for Rescue Robotics: Results and Perspectives. Lecture Notes in Computer Science, 2006, , 301-311.	1.3	39
161	Using Rescue Robots to Increase Construction Site Safety. , 2006, , .		2
162	Mobile Robot Communication Without the Drawbacks of Wireless Networking. Lecture Notes in Computer Science, 2006, , 585-592.	1.3	4

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163	On map merging. Robotics and Autonomous Systems, 2005, 53, 1-14.	5.1	58
164	Trends in Learning Software Organizations: Current Needs and Future Solutions. Lecture Notes in Computer Science, 2005, , 70-75.	1.3	1
165	Combining Exploration and Ad-Hoc Networking in RoboCup Rescue. Lecture Notes in Computer Science, 2005, , 236-246.	1.3	15
166	From Games to Applications: Component Reuse in Rescue Robots. Lecture Notes in Computer Science, 2005, , 669-676.	1.3	0
167	Product line engineering, the state of the practice. IEEE Software, 2003, 20, 52-60.	1.8	116
168	A Rescue Robot Control Architecture Ensuring Safe Semi-autonomous Operation. Lecture Notes in Computer Science, 2003, , 254-262.	1.3	8
169	Programming with behavior-processes. Robotics and Autonomous Systems, 2002, 39, 115-127.	5.1	9
170	RoboGuard, a teleoperated mobile security robot. Control Engineering Practice, 2002, 10, 1259-1264.	5.5	30
171	An N-player prisoner's dilemma in a robotic ecosystem. Robotics and Autonomous Systems, 2002, 39, 223-233.	5.1	6
172	Roboguard, A Teleoperated Mobile Security Robot. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 247-252.	0.4	0
173	Learning to Trust. Lecture Notes in Computer Science, 2001, , 133-144.	1.3	14
174	Applying Behavior-Oriented Robotics to a Mobile Security Device. Lecture Notes in Computer Science, 2001, , 5-15.	1.3	0
175	Using Simulation to Visualise and Analyse Product-Process Dependencies in Software Development Projects. Lecture Notes in Computer Science, 2000, , 88-102.	1.3	5
176	Systematic population, utilization, and maintenance of a repository for comprehensive reuse. Lecture Notes in Computer Science, 2000, , 25-50.	1.3	15
177	Validating the ISO/IEC 15504 measures of software development process capability. Journal of Systems and Software, 2000, 51, 119-149.	4.5	41
178	A Framework for the Continuous Monitoring and Evaluation of Improvement Programmes. Lecture Notes in Computer Science, 2000, , 20-35.	1.3	2
179	On-board control in the RoboCup small robots league. Advanced Robotics, 2000, 14, 27-36.	1.8	16
180	Validating the ISO/IEC 15504 measure of software requirements analysis process capability. IEEE Transactions on Software Engineering, 2000, 26, 541-566.	5.6	105

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181	Boosting cooperation by evolving trust. Applied Artificial Intelligence, 2000, 14, 769-784.	3.2	42
182	Heterogeneity and On-Board Control in the Small Robots League. Lecture Notes in Computer Science, 2000, , 196-209.	1.3	3
183	The VUB AI-lab RoboCupâ€™99 Small League Team. Lecture Notes in Computer Science, 2000, , 687-690.	1.3	4
184	INTERDISCIPLINARY APPROACHES TO ROBOT LEARNING: INTRODUCTION. World Scientific Series in Robotics and Intelligent Systems, 2000, , 1-7.	0.1	1
185	The small league RoboCup team of the VUB AI-Lab. Lecture Notes in Computer Science, 1999, , 410-415.	1.3	4
186	A product-process dependency definition method. , 1998, , .		3
187	A multiagent system based on heterogeneous robots. Lecture Notes in Computer Science, 1998, , 13-24.	1.3	7
188	Learning of an anticipatory world-model and the quest for general versus reinforced knowledge. , 1998, , .		1
189	Robot Learning and Self-Sufficiency: What the energy-level can tell us about a robotâ€™s performance. Lecture Notes in Computer Science, 1998, , 109-125.	1.3	6
190	CBR for Experimental Software Engineering. Lecture Notes in Computer Science, 1998, , 235-254.	1.3	30
191	RoboCube a â€œuniversalâ€•â€œspecial purposeâ€•Hardware for the RoboCup small robots league. , 1998, , 331-340.		13
192	An overview of the extended VUB ecosystem, a MAS of heterogeneous robots. , 0, , .		0
193	Robotics in edutainment. , 0, , .		25