

Andrey L Ronzhin

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

519
citations

759055

12
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839398

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92
all docs

92
docs citations

92
times ranked

256
citing authors

#	ARTICLE	IF	CITATIONS
1	Algorithms for Multi-criteria Synthesis of the Robotic Gripper Configuration. Intelligent Systems Reference Library, 2022, , 131-152.	1.0	0
2	Conceptual and Algorithmic Models of Air Manipulation System. Intelligent Systems Reference Library, 2022, , 205-226.	1.0	0
3	Theoretical Foundations to Control Technological and Robotic Operations with Physical Manipulations of Agricultural Products. Intelligent Systems Reference Library, 2022, , 89-113.	1.0	1
4	Analysis of Existing Approaches to the Service Automation and to Interaction Control of Heterogeneous Agricultural Robots. Intelligent Systems Reference Library, 2022, , 3-24.	1.0	0
5	Results of Modeling and Optimization of the Robotic Gripper Configuration. Intelligent Systems Reference Library, 2022, , 153-175.	1.0	0
6	Model-Algorithmic Support of Robotic Gripper for Manipulating Agricultural Products. Intelligent Systems Reference Library, 2022, , 115-130.	1.0	0
7	Experimental Estimation of Means Developed for Interaction Between Heterogeneous Agricultural Robots. Intelligent Systems Reference Library, 2022, , 65-85.	1.0	0
8	Analysis of Approaches to the Control of Air Manipulation Systems. Intelligent Systems Reference Library, 2022, , 179-204.	1.0	0
9	Models and Algorithms of Interaction Between Heterogeneous Agricultural Robots. Intelligent Systems Reference Library, 2022, , 25-43.	1.0	0
10	Experimental Results of Simulating the Motion Control of Air Manipulation Systems. Intelligent Systems Reference Library, 2022, , 251-270.	1.0	0
11	Recommendation System to Select the Composition of the Heterogeneous Agricultural Robots. Intelligent Systems Reference Library, 2022, , 45-63.	1.0	1
12	Classification of Aerial Manipulation Systems and Algorithms for Controlling the Movement of Onboard Manipulator. Lecture Notes in Computer Science, 2021, , 150-161.	1.0	0
13	Mathematical Modeling of Stable Position of Manipulator Mounted on Unmanned Aerial Vehicle. Smart Innovation, Systems and Technologies, 2021, , 151-164.	0.5	1
14	Mathematical Modelling of Climate Change and Variability in the Context of Outdoor Ergonomics. Mathematics, 2021, 9, 2920.	1.1	13
15	The Development of Soft Defined Distributed Infocommunication Systems Architecture Based on the Active Data Technology. Lecture Notes in Networks and Systems, 2020, , 257-265.	0.5	2
16	Mathematical Model of a Swarm Robotic System with Wireless Bi-directional Energy Transfer. Studies in Systems, Decision and Control, 2020, , 13-23.	0.8	4
17	Mathematical Modelling of Control and Simultaneous Stabilization of 3-DOF Aerial Manipulation System. Lecture Notes in Computer Science, 2020, , 253-264.	1.0	5
18	A Model of Four-Finger Gripper with a Built-in Vacuum Suction Nozzle for Harvesting Tomatoes. Smart Innovation, Systems and Technologies, 2020, , 149-160.	0.5	12

#	ARTICLE	IF	CITATIONS
19	Consensus-based Localization by Using Array of Antennas on a Fixed-Wing UAV. , 2019, , .		1
20	Donâ€™t Talk to Noisy Drones â€™ Acoustic Interaction with Unmanned Aerial Vehicles. Lecture Notes in Computer Science, 2019, , 180-190.	1.0	0
21	Trends in Development of UAV-UGV Cooperation Approaches in Precision Agriculture. Lecture Notes in Computer Science, 2018, , 213-221.	1.0	29
22	Hierarchical classification of robotic grippers applied for agricultural object manipulations. MATEC Web of Conferences, 2018, 161, 03015.	0.1	5
23	METHODS OF SPEECH AND TEXT DATABASES DEVELOPMENT FOR QA-SYSTEMS. Bulletin of the South Ural State University Series Mathematics Mechanics Physics, 2018, 10, 59-66.	0.2	0
24	Survey of Modular Robots and Developed Embedded Devices for Constructive and Computing Components. Lecture Notes in Computer Science, 2017, , 50-58.	1.0	3
25	Upgrading the hardware and software of RC servos for use in educational robotics. , 2017, , .		1
26	Analysis of main tasks of precision farming solved with the use of robotic means. MATEC Web of Conferences, 2017, 113, 02009.	0.1	8
27	Survey of Methods and Algorithms of Robot Swarm Aggregation. Journal of Physics: Conference Series, 2017, 803, 012146.	0.3	17
28	Algorithms for joint operation of service robotic platform and set of UAVs in agriculture tasks. , 2017, , .		3
29	Justification of the technical requirements of a fully functional modular robot. MATEC Web of Conferences, 2017, 113, 02008.	0.1	4
30	Group Control of Heterogeneous Robots and Unmanned Aerial Vehicles in Agriculture Tasks. Lecture Notes in Computer Science, 2017, , 260-267.	1.0	7
31	Automatic System of Monitoring and Diagnostics of Sparking in Contact. MATEC Web of Conferences, 2016, 77, 12003.	0.1	0
32	Multimodal Information Coding System for Wearable Devices of Advanced Uniform. Lecture Notes in Computer Science, 2016, , 539-545.	1.0	0
33	Automatic control of robotic swarm during convex shape generation. , 2016, , .		9
34	Convex Shape Generation by Robotic Swarm. , 2016, , .		6
35	Mechanical Engineering of Leg Joints of Anthropomorphic Robot. MATEC Web of Conferences, 2016, 77, 04006.	0.1	3
36	Mechanical Leg Design of the Anthropomorphic Robot Antares. Lecture Notes in Computer Science, 2016, , 113-123.	1.0	5

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37	Conceptual Model of Cyberphysical Environment Based on Collaborative Work of Distributed Means and Mobile Robots. Lecture Notes in Computer Science, 2016, , 32-39.	1.0	15
38	Bimodal Speech Recognition Fusing Audio-Visual Modalities. Lecture Notes in Computer Science, 2016, , 170-179.	1.0	0
39	Algorithms and software tools for distribution of multimedia data streams in client-server videoconferencing applications. Pattern Recognition and Image Analysis, 2015, 25, 517-525.	0.6	4
40	A software system for the audiovisual monitoring of an intelligent meeting room in support of scientific and education activities. Pattern Recognition and Image Analysis, 2015, 25, 237-254.	0.6	5
41	Mathematical methods to estimate image blur and recognize faces in the system of automatic conference participant registration. Automation and Remote Control, 2015, 76, 2011-2020.	0.4	2
42	Algorithms for Low Bit-Rate Coding with Adaptation to Statistical Characteristics of Speech Signal. Lecture Notes in Computer Science, 2015, , 65-72.	1.0	4
43	Large vocabulary Russian speech recognition using syntactico-statistical language modeling. Speech Communication, 2014, 56, 213-228.	1.6	51
44	A Universal Assistive Technology with Multimodal Input and Multimedia Output Interfaces. Lecture Notes in Computer Science, 2014, , 369-378.	1.0	19
45	Architecture of Data Exchange with Minimal Client-Server Interaction at Multipoint Video Conferencing. Lecture Notes in Computer Science, 2014, , 164-174.	1.0	3
46	Elimination of Distorted Images Using the Blur Estimation at the Automatic Registration of Meeting Participants. Lecture Notes in Computer Science, 2014, , 133-143.	1.0	0
47	Algorithms for Acceleration of Image Processing at Automatic Registration of Meeting Participants. Lecture Notes in Computer Science, 2014, , 89-96.	1.0	2
48	Blur Estimation Methods for System of Audiovisual Monitoring of Meeting Participants. Lecture Notes in Computer Science, 2014, , 145-152.	1.0	0
49	PARAD-R: Speech analysis software for meeting support. , 2013, , .		2
50	Speech and Computer. Lecture Notes in Computer Science, 2013, , .	1.0	12
51	Speaker Turn Detection Based on Multimodal Situation Analysis. Lecture Notes in Computer Science, 2013, , 302-309.	1.0	12
52	Methodology of Facility Automation Based on Audiovisual Analysis and Space-Time Structuring of Situation in Meeting Room. Communications in Computer and Information Science, 2013, , 524-528.	0.4	2
53	Designing a multimodal corpus of audio-visual speech using a high-speed camera. , 2012, , .		2
54	Audiovisual speaker localization in medium smart meeting room. , 2011, , .		5

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55	Models and hardware-software solutions for automatic control of intelligent hall. Automation and Remote Control, 2011, 72, 1389-1397.	0.4	13
56	Dialog model development of a mobile information and reference robot. Pattern Recognition and Image Analysis, 2011, 21, 458-461.	0.6	7
57	From smart devices to smart space. Herald of the Russian Academy of Sciences, 2010, 80, 63-68.	0.2	21
58	Multimodal Human Computer Interaction with MIDAS Intelligent Infokiosk. , 2010, , .		2
59	Multimodal human-robot interaction. , 2010, , .		10
60	A Video Monitoring Model with a Distributed Camera System for the Smart Space. Lecture Notes in Computer Science, 2010, , 102-110.	1.0	8
61	Multichannel System of Audio-Visual Support of Remote Mobile Participant at E-Meeting. Lecture Notes in Computer Science, 2010, , 62-71.	1.0	15
62	Client and Speech Detection System for Intelligent Infokiosk. Lecture Notes in Computer Science, 2010, , 560-567.	1.0	4
63	Information enquiry kiosk with multimodal user interface. Pattern Recognition and Image Analysis, 2009, 19, 546-558.	0.6	27
64	Multimodal control via heterogeneous devices. , 2009, , .		1
65	Speech activity and speaker novelty detection methods for meeting processing. , 2009, , .		0
66	Designing Cognition-Centric Smart Room Predicting Inhabitant Activities. Lecture Notes in Computer Science, 2009, , 78-87.	1.0	1
67	A Semi-automatic Wizard of Oz Technique for "Let's Fly Spoken Dialogue" System. Lecture Notes in Computer Science, 2008, , 585-592.	1.0	4
68	Russian voice interface. Pattern Recognition and Image Analysis, 2007, 17, 321-336.	0.6	13
69	ICANDO: Low cost multimodal interface for hand disabled people. Journal on Multimodal User Interfaces, 2007, 1, 21-29.	2.0	5
70	Speech and computers: XI International Conference. Herald of the Russian Academy of Sciences, 2006, 76, 595-597.	0.2	0
71	Estimating psycho-physiological state of a human by speech analysis. , 2005, , .		2
72	Speech Interface for Internet Service "Yellow Pages", 2005, , 219-228.		1

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73	Multi-modal system ICANDO: intellectual computer assistant for disabled operators. , 0, , .		4
74	Audio-visual speech asynchrony modeling in a talking head. , 0, , .		9
75	Viseme-dependent weight optimization for CHMM-based audio-visual speech recognition. , 0, , .		8
76	Very large vocabulary ASR for spoken Russian with syntactic and morphemic analysis. , 0, , .		27