

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
h-index

839398

18
g-index

92
all docs

92
docs citations

92
times ranked

256
citing authors

#	ARTICLE	IF	CITATIONS
1	Large vocabulary Russian speech recognition using syntactico-statistical language modeling. <i>Speech Communication</i> , 2014, 56, 213-228.	1.6	51
2	Trends in Development of UAV-UGV Cooperation Approaches in Precision Agriculture. <i>Lecture Notes in Computer Science</i> , 2018, , 213-221.	1.0	29
3	Information enquiry kiosk with multimodal user interface. <i>Pattern Recognition and Image Analysis</i> , 2009, 19, 546-558.	0.6	27
4	Very large vocabulary ASR for spoken Russian with syntactic and morphemic analysis. , 0, , .		27
5	From smart devices to smart space. <i>Herald of the Russian Academy of Sciences</i> , 2010, 80, 63-68.	0.2	21
6	A Universal Assistive Technology with Multimodal Input and Multimedia Output Interfaces. <i>Lecture Notes in Computer Science</i> , 2014, , 369-378.	1.0	19
7	Survey of Methods and Algorithms of Robot Swarm Aggregation. <i>Journal of Physics: Conference Series</i> , 2017, 803, 012146.	0.3	17
8	Conceptual Model of Cyberphysical Environment Based on Collaborative Work of Distributed Means and Mobile Robots. <i>Lecture Notes in Computer Science</i> , 2016, , 32-39.	1.0	15
9	Multichannel System of Audio-Visual Support of Remote Mobile Participant at E-Meeting. <i>Lecture Notes in Computer Science</i> , 2010, , 62-71.	1.0	15
10	Russian voice interface. <i>Pattern Recognition and Image Analysis</i> , 2007, 17, 321-336.	0.6	13
11	Models and hardware-software solutions for automatic control of intelligent hall. <i>Automation and Remote Control</i> , 2011, 72, 1389-1397.	0.4	13
12	Mathematical Modelling of Climate Change and Variability in the Context of Outdoor Ergonomics. <i>Mathematics</i> , 2021, 9, 2920.	1.1	13
13	Speech and Computer. <i>Lecture Notes in Computer Science</i> , 2013, , .	1.0	12
14	A Model of Four-Finger Gripper with a Built-in Vacuum Suction Nozzle for Harvesting Tomatoes. <i>Smart Innovation, Systems and Technologies</i> , 2020, , 149-160.	0.5	12
15	Speaker Turn Detection Based on Multimodal Situation Analysis. <i>Lecture Notes in Computer Science</i> , 2013, , 302-309.	1.0	12
16	Multimodal human-robot interaction. , 2010, , .		10
17	Automatic control of robotic swarm during convex shape generation. , 2016, , .		9
18	Audio-visual speech asynchrony modeling in a talking head. , 0, , .		9

#	ARTICLE	IF	CITATIONS
19	Analysis of main tasks of precision farming solved with the use of robotic means. MATEC Web of Conferences, 2017, 113, 02009.	0.1	8
20	A Video Monitoring Model with a Distributed Camera System for the Smart Space. Lecture Notes in Computer Science, 2010, , 102-110.	1.0	8
21	Viseme-dependent weight optimization for CHMM-based audio-visual speech recognition. , 0, , .		8
22	Dialog model development of a mobile information and reference robot. Pattern Recognition and Image Analysis, 2011, 21, 458-461.	0.6	7
23	Group Control of Heterogeneous Robots and Unmanned Aerial Vehicles in Agriculture Tasks. Lecture Notes in Computer Science, 2017, , 260-267.	1.0	7
24	Convex Shape Generation by Robotic Swarm. , 2016, , .		6
25	ICANDO: Low cost multimodal interface for hand disabled people. Journal on Multimodal User Interfaces, 2007, 1, 21-29.	2.0	5
26	Audiovisual speaker localization in medium smart meeting room. , 2011, , .		5
27	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
28	Mechanical Leg Design of the Anthropomorphic Robot Antares. Lecture Notes in Computer Science, 2016, , 113-123.	1.0	5
29	Hierarchical classification of robotic grippers applied for agricultural object manipulations. MATEC Web of Conferences, 2018, 161, 03015.	0.1	5
30	Mathematical Modelling of Control and Simultaneous Stabilization of 3-DOF Aerial Manipulation System. Lecture Notes in Computer Science, 2020, , 253-264.	1.0	5
31	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
32	Justification of the technical requirements of a fully functional modular robot. MATEC Web of Conferences, 2017, 113, 02008.	0.1	4
33	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
34	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
35	Client and Speech Detection System for Intelligent Infokiosk. Lecture Notes in Computer Science, 2010, , 560-567.	1.0	4
36	Multi-modal system ICANDO: intellectual computer assistant for disabled operators. , 0, , .		4

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37	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
38	Mechanical Engineering of Leg Joints of Anthropomorphic Robot. MATEC Web of Conferences, 2016, 77, 04006.	0.1	3
39	Survey of Modular Robots and Developed Embedded Devices for Constructive and Computing Components. Lecture Notes in Computer Science, 2017, , 50-58.	1.0	3
40	Algorithms for joint operation of service robotic platform and set of UAVs in agriculture tasks. , 2017, , .		3
41	Architecture of Data Exchange with Minimal Client-Server Interaction at Multipoint Video Conferencing. Lecture Notes in Computer Science, 2014, , 164-174.	1.0	3
42	Estimating psycho-physiological state of a human by speech analysis. , 2005, , .		2
43	Multimodal Human Computer Interaction with MIDAS Intelligent Infokiosk. , 2010, , .		2
44	Designing a multimodal corpus of audio-visual speech using a high-speed camera. , 2012, , .		2
45	PARAD-R: Speech analysis software for meeting support. , 2013, , .		2
46	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
47	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
48	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
49	Algorithms for Acceleration of Image Processing at Automatic Registration of Meeting Participants. Lecture Notes in Computer Science, 2014, , 89-96.	1.0	2
50	Multimodal control via heterogeneous devices. , 2009, , .		1
51	Upgrading the hardware and software of RC servos for use in educational robotics. , 2017, , .		1
52	Consensus-based Localization by Using Array of Antennas on a Fixed-Wing UAV. , 2019, , .		1
53	Theoretical Foundations to Control Technological and Robotic Operations with Physical Manipulations of Agricultural Products. Intelligent Systems Reference Library, 2022, , 89-113.	1.0	1
54	Recommendation System to Select the Composition of the Heterogeneous Agricultural Robots. Intelligent Systems Reference Library, 2022, , 45-63.	1.0	1

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55	Mathematical Modeling of Stable Position of Manipulator Mounted on Unmanned Aerial Vehicle. Smart Innovation, Systems and Technologies, 2021, , 151-164.	0.5	1
56	Designing Cognition-Centric Smart Room Predicting Inhabitant Activities. Lecture Notes in Computer Science, 2009, , 78-87.	1.0	1
57	Speech Interface for Internet Service "Yellow Pages", 2005, , 219-228.		1
58	Speech and computers: XI International Conference. Herald of the Russian Academy of Sciences, 2006, 76, 595-597.	0.2	0
59	Speech activity and speaker novelty detection methods for meeting processing. , 2009, , .		0
60	Automatic System of Monitoring and Diagnostics of Sparking in Contact. MATEC Web of Conferences, 2016, 77, 12003.	0.1	0
61	Multimodal Information Coding System for Wearable Devices of Advanced Uniform. Lecture Notes in Computer Science, 2016, , 539-545.	1.0	0
62	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
63	Algorithms for Multi-criteria Synthesis of the Robotic Gripper Configuration. Intelligent Systems Reference Library, 2022, , 131-152.	1.0	0
64	Conceptual and Algorithmic Models of Air Manipulation System. Intelligent Systems Reference Library, 2022, , 205-226.	1.0	0
65	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
66	Results of Modeling and Optimization of the Robotic Gripper Configuration. Intelligent Systems Reference Library, 2022, , 153-175.	1.0	0
67	Model-Algorithmic Support of Robotic Gripper for Manipulating Agricultural Products. Intelligent Systems Reference Library, 2022, , 115-130.	1.0	0
68	Experimental Estimation of Means Developed for Interaction Between Heterogeneous Agricultural Robots. Intelligent Systems Reference Library, 2022, , 65-85.	1.0	0
69	Analysis of Approaches to the Control of Air Manipulation Systems. Intelligent Systems Reference Library, 2022, , 179-204.	1.0	0
70	Models and Algorithms of Interaction Between Heterogeneous Agricultural Robots. Intelligent Systems Reference Library, 2022, , 25-43.	1.0	0
71	Experimental Results of Simulating the Motion Control of Air Manipulation Systems. Intelligent Systems Reference Library, 2022, , 251-270.	1.0	0
72	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

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73	Blur Estimation Methods for System of Audiovisual Monitoring of Meeting Participants. Lecture Notes in Computer Science, 2014, , 145-152.	1.0	0
74	Bimodal Speech Recognition Fusing Audio-Visual Modalities. Lecture Notes in Computer Science, 2016, , 170-179.	1.0	0
75	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
76	Donâ€™t Talk to Noisy Drones â€“ Acoustic Interaction with Unmanned Aerial Vehicles. Lecture Notes in Computer Science, 2019, , 180-190.	1.0	0