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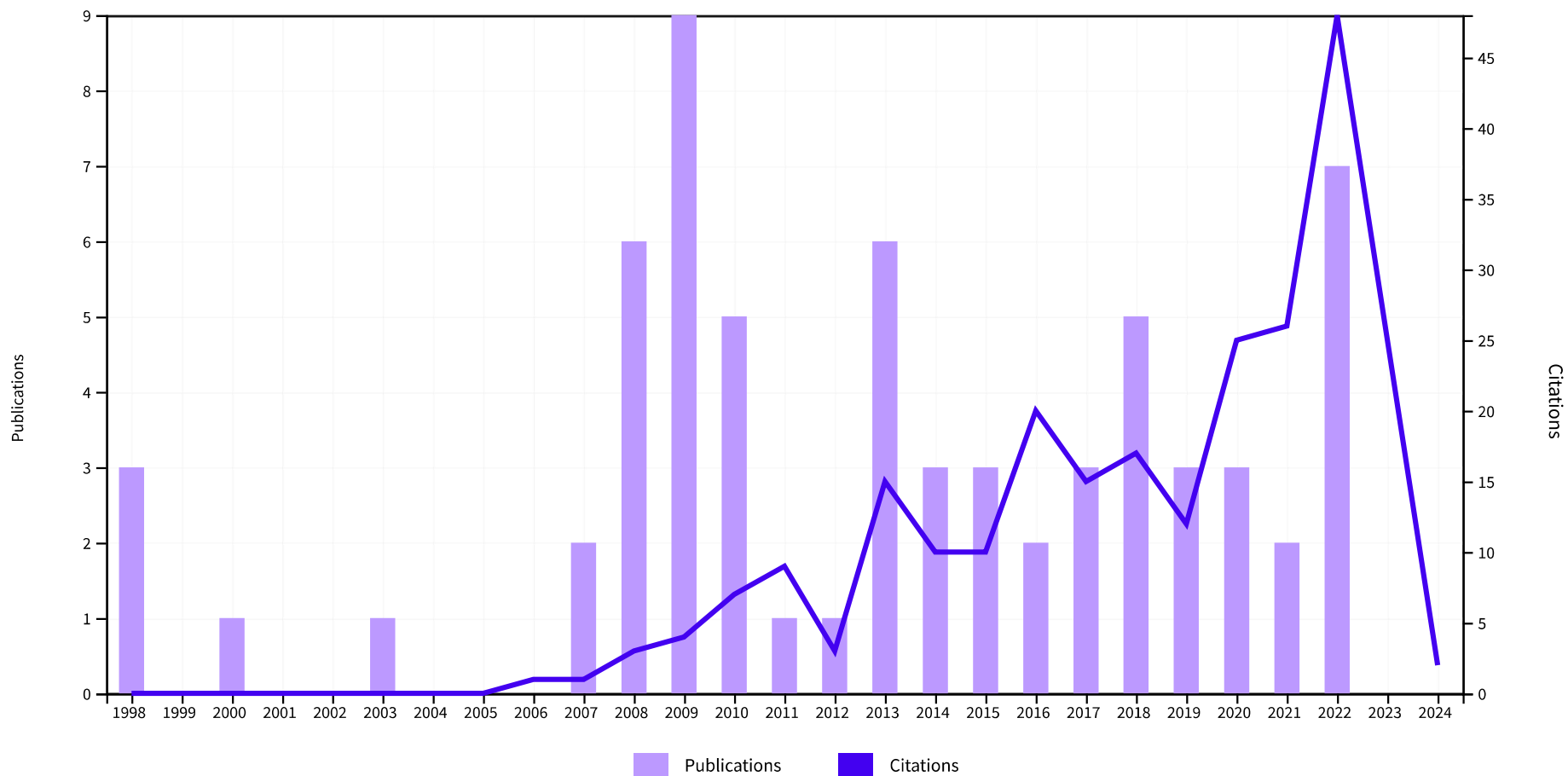
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	Total	25	26	48	25	2	13.32	253
<p>⊖ 1</p> <p>Sliding-Mode Control for Trajectory-Tracking of a Wheeled Mobile Robot in Presence of Uncertainties</p> <p>Solea, R; Filipescu, A and Nunes, U 7th Asian Control Conference (ASCC 2009) 2009 ASCC: 2009 7TH ASIAN CONTROL CONFERENCE, VOLS 1-3 , pp.1701-1706</p>	3	2	5	1	0	2.56	41	
<p>⊖ 2</p> <p>Modelling and control of an assembly/disassembly mechatronics line served by mobile robot with manipulator</p> <p>Minca, E; Filipescu, A and Voda, A Oct 2014 CONTROL ENGINEERING PRACTICE 31 , pp.50-62</p>	6	3	5	4	0	2.36	26	
<p>⊖ 3</p> <p>Virtual Pheromones for Real-Time Control of Autonomous Mobile Robots</p> <p>Susnea, J; Vasiliu, G; (...); Radaschin, A Sep 2009 STUDIES IN INFORMATICS AND CONTROL 18 (3) , pp.233-240</p>	1	1	0	0	0	0.81	13	
<p>⊖ 4</p> <p>Manufacturing Technology on a Mechatronics Line Assisted by Autonomous Robotic Systems, Robotic Manipulators and Visual Servoing Systems</p> <p>Filipescu, A; Minca, E; (...); Coanda, HG Dec 2020 ACTUATORS 9 (4)</p> <p>Enriched Cited References</p>	0	5	6	1	0	2.4	12	
<p>Modelling and Control of Mechatronics Lines Served by Complex Autonomous Systems</p>	3	2	6	0	0	1.83	11 10	

<p>5</p> <p>Dragomir, E; Minca, E; (...); Filipescu, A</p> <p>Aug 1 2019 SENSORS 19 (15)</p>								
<p>6</p> <p>Minca, E; Filipescu, A; (...); Simion, G</p> <p>Nov 2022 SENSORS 22 (21)</p> <p>Enriched Cited References</p>	<p>Digital Twin for a Multifunctional Technology of Flexible Assembly on a Mechatronics Line with Integrated Robotic Systems and Mobile Visual Sensor-Challenges towards Industry 5.0</p>	0	0	0	9	1	3.33	10
<p>7</p> <p>Filipescu, A; Dugard, L and Dion, JM</p> <p>42nd IEEE Conference on Decision and Control 2003 42ND IEEE CONFERENCE ON DECISION AND CONTROL, VOLS 1-6, PROCEEDINGS , pp.3537-3542</p>	<p>Adaptive gain sliding observer based sliding controller for uncertain parameters nonlinear systems. Application to flexible joint robots</p>	1	0	1	0	0	0.45	10
<p>8</p> <p>Solea, R; Filipescu, A; (...); Dumitrascu, B</p> <p>8th World Congress on Intelligent Control and Automation (WCICA) 2010 2010 8TH WORLD CONGRESS ON INTELLIGENT CONTROL AND AUTOMATION (WCICA) , pp.1185-1190</p>	<p>Sliding-mode Controller for Four-Wheel-Steering Vehicle: Trajectory-Tracking Problem</p>	0	1	0	0	0	0.6	9
<p>9</p> <p>Ciubucciu, G; Filipescu, A; (...); Dumitrascu, B</p> <p>12th IEEE International Conference on Control and Automation (ICCA) 2016 2016 12TH IEEE INTERNATIONAL CONFERENCE ON CONTROL AND AUTOMATION (ICCA) , pp.779-784</p>	<p>Control and Obstacle Avoidance of a WMR, Based on Sliding-Mode, Ultrasounds and Laser</p>	1	2	4	0	0	0.78	7

<p>⊖ 10</p>	<p>Modeling and Control of a Mechatronics System Served by a Mobile Platform Equipped with Manipulator</p> <p>Filipescu, A; Petrea, G; (...); Filipescu, S 33rd Chinese Control Conference (CCC) 2014 2014 33RD CHINESE CONTROL CONFERENCE (CCC) , pp.6577-6582</p>	1	1	2	0	0	0.64	7
<p>⊖ 11</p>	<p>Lateral Motion Control of Four-Wheels Steering Vehicle Using a Sliding-Mode Controller</p> <p>Solea, R; Filipescu, A and Cernega, D 29th Chinese Control Conference 2010 PROCEEDINGS OF THE 29TH CHINESE CONTROL CONFERENCE , pp.3699-3703</p>	2	1	0	0	0	0.47	7
<p>⊖ 12</p>	<p>Sliding-mode real-time mobile platform control in the presence of uncertainties</p> <p>Solea, R; Filipescu, A and Stamatescu, G Joint 48th IEEE Conference on Decision and Control (CDC) / 28th Chinese Control Conference (CCC) 2009 PROCEEDINGS OF THE 48TH IEEE CONFERENCE ON DECISION AND CONTROL, 2009 HELD JOINTLY WITH THE 2009 28TH CHINESE CONTROL CONFERENCE (CDC/CCC 2009) , pp.7747-7752</p>	0	1	1	0	0	0.44	7
<p>⊖ 13</p>	<p>Real-time, embedded fuzzy control of the Pioneer3-DX robot for path following</p> <p>Susnea, J; Vasiliu, G and Filipescu, A 12th WSEAS International Conference on SYSTEMS 2008 NEW ASPECTS OF SYSTEMS, PTS I AND II , pp.334-+</p>	0	0	0	0	0	0.41	7
<p>⊖ 14</p>	<p>Multifunctional Technology of Flexible Manufacturing on a Mechatronics Line with IRM and CAS, Ready for Industry 4.0</p> <p>Filipescu, A; Ionescu, D; (...); Simion, G</p>	0	0	6	0	0	1.5	6 10

May 2021 PROCESSES 9 (5)								
<p>Enriched Cited References</p>								
15	<p>Visual servoing systems based control of complex autonomous systems serving a P/RML</p> <p>Petrea, G; Filipescu, A; (...); Filipescu, A 22nd International Conference on System Theory, Control and Computing (ICSTCC) 2018 2018 22ND INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) , pp.323-328</p>	1	2	2	0	0	0.86	6
16	<p>Hybrid modelling based control of an processing/reprocessing mechatronics line served by an autonomous robotic system</p> <p>Petrea, G; Filipescu, A; (...); Voda, A 17th International Conference System Theory, Control and Computing (ICSTCC) 2013 2013 17TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) , pp.410-415</p>	1	1	2	0	0	0.5	6
17	<p>New Approach in Control of Assembly/Disassembly Line Served by Robotic Manipulator Mounted on Mobile Platform</p> <p>Minca, E; Filipescu, A and Voda, A IEEE International Conference on Robotics and Biomimetics (ROBIO) 2012 2012 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND BIOMIMETICS (ROBIO 2012)</p>	1	1	0	0	0	0.46	6
18	<p>Communication and Control of an Assembly, Disassembly and Repair Flexible Manufacturing Technology on a Mechatronics Line Assisted by an Autonomous Robotic System</p> <p>Ionescu, D; Filipescu, A; (...); Filipescu, A Jun 2022 INVENTIONS 7 (2)</p> <p>Enriched Cited References</p>	0	0	1	3	1	1.67	5
								10

<p>19</p>	<p>Extended Approach for Modelling and simulation of Mechatronics Lines Served by Collaborative Mobile Robots</p> <p>Minca, E; Filipescu, A; (...); Filipescu, A</p> <p>22nd International Conference on System Theory, Control and Computing (ICSTCC) 2018 2018 22ND INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) , pp.335-341</p>	1	1	2	0	0	0.71	5
<p>20</p>	<p>Path Following, Real-Time, Embedded Fuzzy Control of a Mobile Platform Wheeled Mobile Robot</p> <p>Susnea, J; Filipescu, A; (...); Filipescu, S</p> <p>IEEE International Conference on Automation and Logistics 2008 2008 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION AND LOGISTICS, VOLS 1-6 , pp.268-272</p>	0	0	0	1	0	0.29	5
<p>21</p>	<p>Multivariable H_∞ Control of Wastewater Biological Treatment Processes</p> <p>Chirosca, A; Ifrim, G; (...); Caraman, S</p> <p>Mar 2013 CONTROL ENGINEERING AND APPLIED INFORMATICS 15 (1) , pp.11-21</p>	0	0	0	0	0	0.33	4
<p>22</p>	<p>Laser-based Obstacle Avoidance Algorithm for Four Driving/Steering Wheels Autonomous Vehicle</p> <p>Dumitrascu, B; Filipescu, A; (...); Voda, A</p> <p>17th International Conference System Theory, Control and Computing (ICSTCC) 2013 2013 17TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) , pp.187-192</p>	0	0	0	0	0	0.33	4
<p>23</p>	<p>Virtual Pheromones to Control Mobile Robots. A Neural Network Approach</p> <p>Susnea, J; Vasiliu, G; (...); Radaschin, A</p> <p>IEEE International Conference on Automation and Logistics 2009 2009 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION AND LOGISTICS (ICAL 2009), VOLS 1-3 , pp.1961-1966</p>	0	0	1	0	0	0.25	4

<p>⊖ 24</p>	<p>Optimal control of the complete assembly/disassembly cycle for a mechatronics line prototype</p> <p>Duca, O; Gurgu, V; (...); Dragomir, O 23rd International Conference on System Theory, Control and Computing (ICSTCC) 2019 2019 23RD INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) , pp.620-625</p>	0	1	1	1	0	0.5	3
<p>⊖ 25</p>	<p>Hybrid Modelling and Simulation of a P/RML with Integrated Complex Autonomous Systems</p> <p>Petrea, G; Filipescu, A; (...); Filipescu, A 22nd International Conference on System Theory, Control and Computing (ICSTCC) 2018 2018 22ND INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) , pp.439-444</p>	1	0	1	0	0	0.43	3
<p>⊖ 26</p>	<p>Wheeled Mobile Robot Control Using Virtual Pheromones and Neural Networks</p> <p>Filipescu, A; Susnea, I; (...); Stamatescu, G IEEE International Conference on Control and Automation 2009 2009 IEEE INTERNATIONAL CONFERENCE ON CONTROL AND AUTOMATION, VOLS 1-3 , pp.157-+</p>	0	0	0	0	0	0.19	3
<p>⊖ 27</p>	<p>Event-Based PID Control of a Flexible Manufacturing Process</p> <p>Duca, O; Minca, E; (...); Bidica, C Dec 2022 INVENTIONS 7 (4)</p> <p>Enriched Cited References</p>	0	0	0	2	0	0.67	2
<p>⊖ 28</p>	<p>Mobile Visual Servoing Based Control of a Complex Autonomous System Assisting a Manufacturing Technology on a Mechatronics Line</p> <p>Simion, G; Filipescu, A; (...); Filipescu, A Sep 2022 INVENTIONS 7 (3)</p>	0	0	1	1	0	0.67	2

Enriched Cited References								
29	<p>Hybrid Modeling, Balancing and Control of a Mechatronics Line Served by Two Mobile Robots</p> <p>Filipescu, A; Filipescu, A; (...); Voda, A 20th International Conference on System Theory, Control and Computing (ICSTCC) 2016 2016 20TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) , pp.234-239</p>	0	0	0	0	0	0.22	2
30	<p>Fuzzy Control and Bubble Rebound Obstacle Avoidance of a Mobile Platform Used as Robotic Assistant</p> <p>Filipescu, A; Susnea, I; (...); Filipescu, S 29th Chinese Control Conference 2010 PROCEEDINGS OF THE 29TH CHINESE CONTROL CONFERENCE , pp.3654-3659</p>	0	0	0	0	0	0.13	2
31	<p>Distributed System of Mobile Platform Obstacle Avoidance and Control as Robotic Assistant for Disabled and Elderly</p> <p>Filipescu, A; Susnea, I; (...); Stamatescu, G IEEE International Conference on Control and Automation 2009 2009 IEEE INTERNATIONAL CONFERENCE ON CONTROL AND AUTOMATION, VOLS 1-3 , pp.1886-+</p>	0	0	0	0	0	0.13	2
32	<p>Virtual Pheromones and Neural Networks Based Wheeled Mobile Robot Control</p> <p>Susnea, I; Filipescu, A; (...); Vasiliu, G 13th WSEAS International Conference on SYSTEMS held at the 13th WSEAS CSCC Multiconference 2009 PROCEEDINGS OF THE 13TH WSEAS INTERNATIONAL CONFERENCE ON SYSTEMS , pp.511-+</p>	0	0	0	0	0	0.13	2
	<p>Event-based PID control in a flexible manufacturing process</p> <p>Duca, O; Meica, E; (...); Paun, M</p>	0	0	0	1	0	0.33	1
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<p>33</p> <p>26th International Conference on System Theory, Control and Computing (ICSTCC) 2022 2022 26TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) , pp.182-187</p> <p>Enriched Cited References</p>							
<p>34</p> <p>Optimal Control of Automated Resupply on a Flexible Manufacturing Mechatronics Line</p> <p>Duca, O; Minca, E; (...); Paun, M 24th International Conference on System Theory, Control and Computing (ICSTCC) 2020 2020 24TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) , pp.921-926</p>		0	0	0	1	0	0.2 1
<p>35</p> <p>Trajectory-Tracking Sliding-Mode Control of the Autonomous Wheelchair Modeled as a Nonholonomic WMR</p> <p>Filipescu, A; Solea, R; (...); Ciubuciu, G 14th IEEE International Conference on Control and Automation (ICCA) 2018 2018 IEEE 14TH INTERNATIONAL CONFERENCE ON CONTROL AND AUTOMATION (ICCA) , pp.1168-1173</p> <p>Enriched Cited References</p>		1	0	0	0	0	0.14 1
<p>36</p> <p>Visual Servoing and Obstacle Avoidance Method based Control Autonomous Robotic Systems Servicing a Mechatronics Manufacturing Line</p> <p>Ciubuciu, G; Solea, R; (...); Filipescu, A 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems - Technology and Applications (IDAACS) 2017 PROCEEDINGS OF THE 2017 9TH IEEE INTERNATIONAL CONFERENCE ON INTELLIGENT DATA ACQUISITION AND ADVANCED COMPUTING SYSTEMS: TECHNOLOGY AND APPLICATIONS (IDAACS), VOL 2 , pp.874-879</p>		0	0	0	0	0	0.13 1
<p>37</p> <p>SHPN Models Based Simulation and Control of Mobile Robotic Systems Integrated into A/DML</p> <p>Filipescu, A; Cernega, D; (...); Minca, E 21st International Conference on System Theory, Control and Computing (ICSTCC)</p>		0	0	0	0	0	0.13 1 10

	2017 2017 21ST INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) , pp.230-235							
38	<p>Cycle Time Optimization of a Reversible A/DML Served by a Mobile Robotic System</p> <p>Minca, E; Coanda, HG and Filipescu, A 19th International Conference on System Theory, Control and Computing (ICSTCC) 2015 2015 19TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) , pp.99-104</p>	0	1	0	0	0	0.1	1
39	<p>Speed Estimators Based Control of Permanent Magnet Synchronous Motor</p> <p>Filipescu, S and Filipescu, A 18th International Conference on System Theory, Control and Computing (ICSTCC) 2014 2014 18TH INTERNATIONAL CONFERENCE SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) , pp.891-896</p> <p>Enriched Cited References</p>	0	0	0	0	0	0.09	1
40	<p>Discrete modelling based control of a processing/reprocessing mechatronics line served by an autonomous robotic system</p> <p>Filipescu, A; Petrea, G; (...); Minca, E 4th International Symposium on Electrical and Electronics Engineering (ISEEE) 2013 2013 4TH INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING (ISEEE)</p>	0	0	0	0	0	0.08	1
41	<p>A Theoretical Approach of the Generalized Hybrid Model Based Control of Repetitive Processes</p> <p>Minca, E; Filipescu, A and Voda, A 9th Asian Control Conference (ASCC) 2013 2013 9TH ASIAN CONTROL CONFERENCE (ASCC)</p>	0	0	0	0	0	0.08	1
42	<p>Hybrid Model Based Control of a Mechatronics Line Served by Mobile Robot with Manipulator</p> <p>Minca, E; Voda, A; (...); Filipescu, A</p>	0	0	0	0	0	0.08	1

⊖	<p>8th IEEE Conference on Industrial Electronics and Applications (ICIEA) 2013 PROCEEDINGS OF THE 2013 IEEE 8TH CONFERENCE ON INDUSTRIAL ELECTRONICS AND APPLICATIONS (ICIEA) , pp.1296-1301</p>							
⊖ 43	<p>Obstacle Avoidance and Path Following Control of a WMR used as Personal Robotic Assistant Filipescu, A; Susnea, J; (...); Filipescu, S 18th Annual International Mediterranean Conference on Control and Automation (MED) 2010 18TH MEDITERRANEAN CONFERENCE ON CONTROL AND AUTOMATION , pp.1555-1560</p>	0	0	1	0	0	0.07	1
⊖ 44	<p>Control of Mobile Platforms as Robotic Assistants for Elderly Filipescu, A; Susnea, J; (...); Stamatescu, G 7th Asian Control Conference (ASCC 2009) 2009 ASCC: 2009 7TH ASIAN CONTROL CONFERENCE, VOLS 1-3 , pp.1456-1461</p>	0	0	0	0	0	0.06	1
⊖ 45	<p>RFID Digital Pheromones for Generating Stigmergic Behaviour to Autonomous Mobile Robots Susnea, J; Vasiliu, G and Filipescu, A 4th WSEAS/IASME International Conference on Dynamical Systems and Control 2008 PROCEEDINGS OF THE 4TH WSEAS/IASME INTERNATIONAL CONFERENCE ON DYNAMICAL SYSTEMS AND CONTROLS , pp.20-24</p>	0	0	0	0	0	0.06	1
⊖ 46	<p>An experiment on using the Pioneer3-DX robot in a multichannel measurement system Vasiliu, G; Filipescu, A; (...); Filipescu, S 8th WSEAS International Conference on Systems Theory and Scientific Computation 2008 PROCEEDINGS OF THE 8TH WSEAS INTERNATIONAL CONFERENCE ON SYSTEMS THEORY AND SCIENTIFIC COMPUTATION (ISTAC'08) , pp.49-+</p>	1	0	0	0	0	0.06	1

<p>47 Complex Autonomous System Assisting a Manufacturing Technology on a Mechatronics Line. A Digital Twin Approach Filipescu, A; Solea, B; (...); Filipescu, A 26th International Conference on System Theory, Control and Computing (ICSTCC) 2022 2022 26TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) , pp.157-162</p>	0	0	0	0	0	0	0
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