

Universitatea Dunărea de Jos din Galați
Școala Doctorală de Științe fundamentale și Inginerești
Domeniul de studii universitare de doctorat INGINERIA SISTEMELOR

Lista publicațiilor indexate Web of Science în reviste cu factor de impact pentru conducătorii de doctorat din domeniul INGINERIA SISTEMELOR

Nr. crt.	Conducător de doctorat	Nr. crt/ Anul publicării	Factor impact/ Zona (Q1, Q2, Q3, Q4)	Autori, articol, jurnal, pagini, doi
0	1	2	3	4
1	Prof. dr. habil ing. BARBU Marian	1 / 2017	7.246 / Q1	Barbu, Marian ; Vilanova, Ramon; Meneses, Montse; Santin, Ignacio On the evaluation of the global impact of control strategies applied to wastewater treatment plants JOURNAL OF CLEANER PRODUCTION, Volume: 149, Pages: 396-405, DOI: 10.1016/j.jclepro.2017.02.018 https://www.sciencedirect.com/science/article/pii/S0959652617302226
		2 / 2017	9.13 / Q1	Santin, Ignacio; Barbu, Marian ; Pedret, Carles; Vilanova, Ramon Control strategies for nitrous oxide emissions reduction on wastewater treatment plants operation WATER RESEARCH, Volume: 125, Pages: 466-477; DOI: 10.1016/j.watres.2017.08.056 https://www.sciencedirect.com/science/article/pii/S0043135417307169
		3 / 2018	3.573 / Q1	Barbu, Marian ; Santin, Ignacio; Vilanova, Ramon Applying Control Actions for Water Line and Sludge Line To Increase Wastewater Treatment Plant Performance INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, Volume: 57, Issue: 16, Pages: 5630-5638, DOI: 10.1021/acs.iecr.7b05298 https://pubs.acs.org/doi/10.1021/acs.iecr.7b05298
		4 / 2018	4.305 / Q1	Santin, Ignacio; Barbu, Marian ; Pedret, Carles; Vilanova, Ramon Fuzzy logic for plant-wide control of biological wastewater treatment process including greenhouse gas emissions ISA TRANSACTIONS, Volume: 77, Pages: 146-166, DOI: 10.1016/j.isatra.2018.04.006 https://www.sciencedirect.com/science/article/pii/S0019057818301526
		5 / 2020	3.745 / Q1	Prada, Miguel Angel; Dominguez, Manuel; Vicario, Jose Lopez; Alves, Paulo Alexandre Vara; Barbu, Marian ; Podpora, Michal; Spagnolini, Umberto; Pereira, Maria J. Varanda; Vilanova, Ramon Educational Data Mining for Tutoring Support in Higher Education: A Web-Based Tool Case Study in Engineering Degrees IEEE ACCESS, Volume: 8, Pages: 212818-212836, DOI: 10.1109/ACCESS.2020.3040858 https://ieeexplore.ieee.org/document/9272294
2	Prof.dr.ing. CARAMAN Sergiu	1 / 2020	2.753 / Q2	Caraman, Sergiu , Luca, Laurentiu, Vasiliev, Iulian, Barbu, Marian, Optimal-Setpoint-Based Control Strategy of a Wastewater Treatment Process, PROCESSES, Volume: 8, Issue: 10, Article Number: 1203, Published: OCT 2020, DOI: 10.3390/pr8101203, WOS:000587415500001 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F2FrX7AVOJ33yMvyrn&page=1&doc=1
		2 / 2014	3.625 / Q2	Ifrim, George A., Titica, Mariana, Cogne, Guillaume, Boillereaux, Lionel, Legrand, Jack, Caraman, Sergiu , Dynamic pH Model for Autotrophic Growth of Microalgae in Photobioreactor: A Tool for Monitoring and Control Purposes, AIChE JOURNAL, Volume: 60, Issue: 2, Pages: 585-599, FEB 2014, DOI: 10.1002/aic.14290, WOS:000329484200017 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E6fKYZAwsrK9aDhE693&page=4&doc=32
		3 / 2013	10.652 / Q1	Ifrim, George Adrian, Titica, Mariana, Barbu, Marian, Boillereaux, Lionel, Cogne, Guillaume, Caraman, Sergiu , Legrand, Jack, Multivariable feedback linearizing control of Chlamydomonas reinhardtii photoautotrophic growth process in a torus photobioreactor, CHEMICAL ENGINEERING JOURNAL, Volume: 218, Pages: 191-203, FEB 15 2013, DOI: 10.1016/j.cej.2012.11.133 WOS:000317255700024, http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E6fKYZAwsrK9aDhE693&page=4&doc=34
		4 / 2012	3.238 / Q2	Arinton, Eugen, Caraman, Sergiu , Korbicz, Jozef, Neural networks for modelling and fault detection of the inter-stand strip tension of a cold tandem mill, CONTROL ENGINEERING PRACTICE, Volume: 20, Issue: 7, Pages: 684-694, JUL 2012, DOI: 10.1016/j.conengprac.2012.03.007, WOS:000305109400005 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E6fKYZAwsrK9aDhE693&page=4&doc=36
		5 / 2013	0.775 / Q4	Chirosca, Alina, Ifrim, George, Filipescu, Adrian, Caraman, Sergiu , Multivariable H-infinity Control of Wastewater Biological Treatment Processes

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				CONTROL ENGINEERING AND APPLIED INFORMATICS, Volume: 15, Issue: 1, Pages: 11-21, MAR 2013, WOS:000316924200002, http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E6fKYZAwsrK9aDhE693&page=4&doc=33
3	Prof.dr.ing. FILIPESCU Adrian	1 / 2014	3.193 / Q2	Minca, Eugenia; Filipescu, Adrian ; Voda, Alina Modelling and control of an assembly/disassembly mechatronics line served by mobile robot with manipulator CONTROL ENGINEERING PRACTICE, Volume: 31, Special Issue: SI, Pages: 50-62, DOI: 10.1016/j.conengprac.2014.06.005 https://www.sciencedirect.com/science/article/pii/S0967066114001695
		2 / 2019	3.275 / Q1	Dragomir Florin, Minca Eugenia, Dragomir Otilia Elena, Filipescu Adrian , Modelling and Control of Mechatronics Lines Served by Complex Autonomous Systems, SENSORS, Volume: 19, Issue: 15, Article Number: 3266, DOI: 10.3390/s19153266, https://www.mdpi.com/1424-8220/19/15/3266
		3 / 2020	1.957 / Q2	Filipescu Adrian , Minca Eugenia, Filipescu Adriana., Coanda Henri-George., Manufacturing Technology on a Mechatronics Line Assisted by Autonomous Robotic Systems, Robotic Manipulators and Visual Servoing Systems, ACTUATORS, Volume: 9 Issue: 4, Article Number: 127, DOI: 10.3390/act9040127 https://www.mdpi.com/2076-0825/9/4/127/htm
		4 / 2013	0.775 / Q4	Chirosca, Alina; Ifrim, George; Filipescu, Adrian ; Caraman, Sergiu Multivariable H-infinity Control of Wastewater Biological Treatment Processes CONTROL ENGINEERING AND APPLIED INFORMATICS, Volume: 15, Issue: 1, Pages: 11-21 http://www.ceai.srait.ro/index.php?journal=ceai&page=article&op=view&path%5B%5D=1889
		5 / 2009	2.102 / Q2	Susnea, Ioan; Vasiliu, Grigore; Filipescu, Adrian ; Radaschin, Adrian Virtual Pheromones for Real-Time Control of Autonomous Mobile Robots STUDIES IN INFORMATICS AND CONTROL, Volume: 18, Issue: 3, Pages: 233-240 https://sic.ici.ro/past-issues/volume18-issue3-2009/susnea/
4	Prof.dr.habil.ing. MINCĂ Eugenia	1 / 2014	3.193 / Q2	Minca, Eugenia ; Filipescu, Adrian; Voda, Alina Modelling and control of an assembly/disassembly mechatronics line served by mobile robot with manipulator CONTROL ENGINEERING PRACTICE, Volume: 31, Special Issue: SI, Pages: 50-62, DOI: 10.1016/j.conengprac.2014.06.005 https://www.sciencedirect.com/science/article/pii/S0967066114001695
		2 / 2019	3.275 / Q1	Dragomir Florin, Minca Eugenia , Dragomir Otilia Elena, Filipescu Adrian, Modelling and Control of Mechatronics Lines Served by Complex Autonomous Systems, SENSORS, Volume: 19, Issue: 15, Article Number: 3266, DOI: 10.3390/s19153266, https://www.mdpi.com/1424-8220/19/15/3266
		3 / 2020	1.957 / Q2	Filipescu Adrian, Minca Eugenia , Filipescu Adriana., Coanda Henri-George., Manufacturing Technology on a Mechatronics Line Assisted by Autonomous Robotic Systems, Robotic Manipulators and Visual Servoing Systems, ACTUATORS, Volume: 9 Issue: 4, Article Number: 127, DOI: 10.3390/act9040127 https://www.mdpi.com/2076-0825/9/4/127/htm
		4 / 2015	2.702 / Q2	Dragomir, Otilia Elena; Dragomir, Florin; Stefan, Veronica; Minca, Eugenia Adaptive Neuro-Fuzzy Inference Systems as a Strategy for Predicting and Controlling the Energy Produced from Renewable Sources ENERGIES Volume: 8 Issue: 11 Pages: 13047-13061, DOI: 10.3390/en81112355 https://www.mdpi.com/1996-1073/8/11/12355
		5 / 2015	2.102 / Q2	Dragomir Otilia; Dragomir, Florin; Stefan Veronica; Minca, Eugenia Adaptive Neuro - Fuzzy Inference Systems - An Alternative Forecasting Tool for Prosumers STUDIES IN INFORMATICS AND CONTROL Volume: 24 Issue: 3 Pages: 351-360 https://sic.ici.ro/adaptive-neuro-fuzzy-inference-systems-an-alternative-forecasting-tool-for-prosumers/
5	Prof.dr.ing. MÎNZU Viorel	1 / 2021	/ Q2	Viorel MÎNZU , Saïd RIAHI , Eugen RUSU Optimal control of an ultraviolet water disinfection system Applied. Science. 2021, 11(6), 2638; 16 Mar 2021, https://doi.org/10.3390/app11062638
		2/ 2007	4.201 / Q1	Minzu, Viorel ; Beldiman, Liviu Some aspects concerning the implementation of a parallel hybrid metaheuristic; ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE Volume: 20, Issue: 7; 2007

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				https://www.sciencedirect.com/science/article/abs/pii/S0952197606002247
		3 / 2019	1.276 / Q3	Minzu, Viorel ; Serbencu, Adrian Systematic Procedure for Optimal Controller Implementation using Metaheuristic Algorithms, INTELLIGENT AUTOMATION AND SOFT COMPUTING 2020 , Volume:26, Issue:4, 663-677, DOI:10.32604/iasc.2020.010101 https://www.techscience.com/iasc/v26n4
		4 / 2001	-	Bratcu, A., Minzu, Viorel <i>Self-Balancing Manufacturing Systems Regarded As Hybrid Dynamical Systems</i> JOURNAL OF CONTROL ENGINEERING AND APPLIED INFORMATICS Vol 3, No 3 (2001), ISSN 1454-8658 http://ceai.srair.ro/index.php?journal=ceai&page=article&op=view&path%5B%5D=42
		5 / 1994	Brevet indexat ISI (echivalent Q1-Q2)	Ceanga Emil; Minzu Viorel Industrial processes adaptive optimiser with three point output-employs standard numerical controller and servomotor with dynamics simulator. WEB of SCIENCE Patent number: RO113772-B, Patent Assignee Name(s) and Code(s): CEANGA E(CEAN-Individual) MINZU V(MINZ-Individual) Derwent Primary Accession Number: 1999-043862 International Patent Classification: G05B-011/18; G05B-013/04 Derwent Class Code(s): T06 (Process and Machine Control) Derwent Manual Code(s): T06-A05; T06-A06A1D; T06-A07B http://apps.webofknowledge.com/full_record.do?colName=DIIDW&recordID=1999043862&log_event=no&search_mode=GeneralSearch&qid=50&log_event=yes&product=UA&SID=C6CT3xYErq6zO2qA9NF&viewType=fullRecord&doc=1&page=1