

# Levente A Kovács

## List of Publications by Year in descending order

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219  
papers

1,855  
citations

304368

22  
h-index

377514

34  
g-index

222  
all docs

222  
docs citations

222  
times ranked

1336  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tumor Volume Estimation and Quasi-Continuous Administration for Most Effective Bevacizumab Therapy. PLoS ONE, 2015, 10, e0142190.	1.1	103
2	Cascade Control for Telerobotic Systems Serving Space Medicine*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3759-3764.	0.4	83
3	Linear parameter varying (LPV) based robust control of type-I diabetes driven for real patient data. Knowledge-Based Systems, 2017, 122, 199-213.	4.0	72
4	Induced L2-norm minimization of glucose-insulin system for Type I diabetic patients. Computer Methods and Programs in Biomedicine, 2011, 102, 105-118.	2.6	60
5	Simulation and control for telerobots in space medicine. Acta Astronautica, 2012, 81, 390-402.	1.7	55
6	Focus Area Extraction by Blind Deconvolution for Defining Regions of Interest. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 1080-1085.	9.7	53
7	Model-based angiogenic inhibition of tumor growth using modern robust control method. Computer Methods and Programs in Biomedicine, 2014, 114, e98-e110.	2.6	53
8	Heart Rate Variability as an Indicator of Chronic Stress Caused by Lameness in Dairy Cows. PLoS ONE, 2015, 10, e0134792.	1.1	48
9	Modeling of Tumor Growth Incorporating the Effects of Necrosis and the Effect of Bevacizumab. Complexity, 2017, 2017, 1-10.	0.9	44
10	Predicting the Parameters of Vortex Bladeless Wind Turbine Using Deep Learning Method of Long Short-Term Memory. Energies, 2021, 14, 4867.	1.6	41
11	Trends in Major Lower Limb Amputation Related to Peripheral Arterial Disease in Hungary: A Nationwide Study (2004-2012). European Journal of Vascular and Endovascular Surgery, 2015, 50, 78-85.	0.8	37
12	Teacher's Kit: Development, Usability, and Communities of Modular Robotic Kits for Classroom Education. IEEE Robotics and Automation Magazine, 2016, 23, 30-39.	2.2	33
13	Tumor dynamics modeling based on formalreaction kinetics. Acta Polytechnica Hungarica, 2019, 16, 31-44.	2.5	33
14	Model-based analysis and synthesis of tumor growth under angiogenic inhibition: a case study*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3753-3758.	0.4	29
15	Robust servo control of a novel type 1 diabetic model. Optimal Control Applications and Methods, 2011, 32, 215-238.	1.3	29
16	Applicability Results of a Nonlinear Model-Based Robust Blood Glucose Control Algorithm. Journal of Diabetes Science and Technology, 2013, 7, 708-716.	1.3	29
17	Glucose-Insulin Control of Type1 Diabetic Patients in H2/H- Space Via Computer Algebra. Lecture Notes in Computer Science, 2007, , 95-109.	1.0	27
18	Predicting body fat percentage from anthropometric and laboratory measurements using artificial neural networks. Applied Soft Computing Journal, 2018, 67, 834-839.	4.1	26

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19	Comparing machine learning and regression models for mortality prediction based on the Hungarian Myocardial Infarction Registry. Knowledge-Based Systems, 2019, 179, 1-7.	4.0	26
20	Reinforcement learning-based control of tumor growth under anti-angiogenic therapy. Computer Methods and Programs in Biomedicine, 2019, 173, 15-26.	2.6	25
21	Linear Matrix Inequality-based Robust Controller design for Type-1 Diabetes Model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9247-9252.	0.4	23
22	Quantitative impact of direct, personal feedback on hand hygiene technique. Journal of Hospital Infection, 2015, 91, 81-84.	1.4	23
23	A minimal model of tumor growth with angiogenic inhibition using bevacizumab. , 2017, , .		22
24	Experimental data-driven tumor modeling for chemotherapy. IFAC-PapersOnLine, 2020, 53, 16245-16250.	0.5	22
25	Heart Rate and Heart Rate Variability in Dairy Cows with Different Temperament and Behavioural Reactivity to Humans. PLoS ONE, 2015, 10, e0136294.	1.1	21
26	Qualitative analysis of tumor growth model under antiangiogenic therapy - choosing the effective operating point and design parameters for controller design. Optimal Control Applications and Methods, 2016, 37, 848-866.	1.3	21
27	A robust fixed point transformation-based approach for type 1 diabetes control. Nonlinear Dynamics, 2017, 89, 2481-2493.	2.7	21
28	Pilot Study of the SPRINT Glycemic Control Protocol in a Hungarian Medical Intensive Care Unit. Journal of Diabetes Science and Technology, 2012, 6, 1464-1477.	1.3	18
29	The interrelationship of HbA1c and real-time continuous glucose monitoring in children with type 1 diabetes. Diabetes Research and Clinical Practice, 2015, 108, 38-44.	1.1	18
30	Physical Validation of a Residual Impedance Rejection Method during Ultra-Low Frequency Bio-Impedance Spectral Measurements. Sensors, 2020, 20, 4686.	2.1	18
31	Exploring eHealth Literacy and Patient-Reported Experiences With Outpatient Care in the Hungarian General Adult Population: Cross-Sectional Study. Journal of Medical Internet Research, 2020, 22, e19013.	2.1	17
32	Linear state-feedback control synthesis of tumor growth control in antiangiogenic therapy. , 2012, , .		16
33	Product review - Control system professional suite. IEEE Control Systems, 2005, 25, 67-75.	1.0	15
34	Flat control of tumor growth with angiogenic inhibition. , 2012, , .		15
35	Control of Diabetes Mellitus by Advanced Robust Control Solution. IEEE Access, 2019, 7, 125609-125622.	2.6	15
36	Application of Robust Fixed Point Control in Case of T1DM. , 2015, , .		14

#	ARTICLE	IF	CITATIONS
37	A Fully Automatic Procedure for Brain Tumor Segmentation from Multi-Spectral MRI Records Using Ensemble Learning and Atlas-Based Data Enhancement. Applied Sciences (Switzerland), 2021, 11, 564.	1.3	14
38	Positive nonlinear control of tumor growth using angiogenic inhibition * *This project has received funding from the European Research Council (ERC) under the European Union's Horizon 2020 research and innovation programme (grant agreement No 679681).. IFAC-PapersOnLine, 2017, 50, 15068-15073.	0.5	13
39	Modeling of tumor growth incorporating the effect of pegylated liposomal doxorubicin. , 2019, , .		13
40	Daily Evolution of Insulin Sensitivity Variability with Respect to Diagnosis in the Critically Ill. PLoS ONE, 2013, 8, e57119.	1.1	13
41	Model-based nonlinear optimal blood glucose control of Type I diabetes patients. , 2008, 2008, 1607-10.		12
42	Optimal discrete time control of antiangiogenic tumor therapy * *This project has received funding from the European Research Council (ERC) under the European Union's Horizon 2020 research and innovation programme (grant agreement No 679681). D.A. Drexler was also supported by a Marie Curie International Research Staff Exchange Scheme Fellowship within the 7th European Community Framework Programme, FP7-PEOPLE-2012-IRSES-316338.. IFAC-PapersOnLine, 2017, 50, 13504-13509.	0.5	12
43	SFM And Semantic Information Based Online Targetless Camera-LIDAR Self-Calibration. , 2019, , .		12
44	Optimization of impulsive discrete-time tumor chemotherapy. , 2019, , .		12
45	Identification and control of peristaltic pumps in hemodialysis machines. , 2013, , .		11
46	State and Parameter Estimation of a Mathematical Carcinoma Model under Chemotherapeutic Treatment. Applied Sciences (Switzerland), 2020, 10, 9046.	1.3	11
47	AbstractsAbstracts from ATTD 20136th International Conference on Advanced Technologies & Treatments for Diabetes<i>Paris, France, February 27â€“March 2, 2013</i>. Diabetes Technology and Therapeutics, 2013, 15, A-1-A-154.	2.4	10
48	Positive control of a minimal model of tumor growth with bevacizumab treatment. , 2017, , .		10
49	Qualitative analysis of a closed-loop model of tumor growth control. , 2018, , .		10
50	Modeling the efficacy of different anti-angiogenic drugs on treatment of solid tumors using 3D computational modeling and machine learning. Computers in Biology and Medicine, 2022, 146, 105511.	3.9	10
51	Relative focus map estimation using blind deconvolution. Optics Letters, 2005, 30, 3021.	1.7	9
52	Robust Blood-Glucose Control using Mathematica. , 2006, 2006, 451-4.		9
53	The StoLPan view of the NFC ecosystem. , 2009, , .		9
54	Asymptotic output tracking in blood glucose control. A case study. , 2011, , .		9

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55	Model-based Angiogenic Inhibition of Tumor Growth using Modern Robust Control Method. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 113-118.	0.4	9
56	Modern robust control in Patophysiology from theory to application. , 2013, , .		9
57	Comparison of sigma-point filters for state estimation of diabetes models. , 2014, , .		9
58	Application of fuzzy logic in hemodialysis equipment. , 2014, , .		9
59	Review of tool-tissue interaction models for robotic surgery applications. , 2014, , .		9
60	Model-based optimal control method for cancer treatment using model predictive control and robust fixed point method. , 2017, , .		9
61	CLASSICAL AND MODERN CONTROL STRATEGIES IN GLUCOSE-INSULIN STABILIZATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 148-153.	0.4	8
62	Design of Luenberger Observer for Glucose-Insulin Control via Mathematica. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 624-7.	0.5	8
63	Model-based angiogenic inhibition of tumor growth using feedback linearization. , 2013, , .		8
64	Fractional order control of the cyber-physical cryogenic isotope separation columns cascade system. , 2018, , .		8
65	Dynamic Modeling of the Angiogenic Switch and Its Inhibition by Bevacizumab. Complexity, 2019, 2019, 1-18.	0.9	8
66	Brain Tumor Detection and Segmentation from Magnetic Resonance Image Data Using Ensemble Learning Methods. , 2019, , .		8
67	Experimental Closed-Loop Control of Breast Cancer in Mice. Complexity, 2022, 2022, 1-10.	0.9	8
68	Adaptive soft computing methods for control of hemodialysis machines. , 2014, , .		7
69	Comparison of mathematical tumor growth models. , 2015, , .		7
70	VISRET – A Content Based Annotation, Retrieval and Visualization Toolchain. Lecture Notes in Computer Science, 2009, , 265-276.	1.0	7
71	Model-based Angiogenic Inhibition of Tumor Growth using Adaptive Fuzzy Techniques. Periodica Polytechnica Electrical Engineering and Computer Science, 2014, 58, 29.	0.6	7
72	Validation of the PAM-13 instrument in the Hungarian general population 40 years old and above. European Journal of Health Economics, 2022, 23, 1341-1355.	1.4	7

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73	The 4th International Conference on Advanced Technologies & Treatments for Diabetes London, UK/February 16-19, 2011. Diabetes Technology and Therapeutics, 2011, 13, 173-293.	2.4	6
74	Towards unified electromagnetic tracking system assessment-static errors. , 2011, 2011, 1905-8.		6
75	Parameter optimization of H <sub>∞</sub> controller designed for tumor growth in the light of physiological aspects. , 2013, , .		6
76	Tumor growth model identification and analysis in case of C38 colon adenocarcinoma and B16 melanoma. , 2013, , .		6
77	Aspects of improvement of software development lifecycle management. , 2015, , .		6
78	H <sub>∞</sub> control of nonlinear systems with positive input with application to antiangiogenic therapy. IFAC-PapersOnLine, 2018, 51, 146-151.	0.5	6
79	Novel Optimum Magnitude Based Fractional Order Controller Design Method. IFAC-PapersOnLine, 2018, 51, 912-917.	0.5	6
80	Fractional Order PID-type Feedback in Fixed Point Transformation-based Adaptive Control of the FitzHugh-Nagumo Neuron Model with Time-delay – This project has received funding from the European Research Council (ERC) under the European Unions Horizon 2020 research and innovation programme (grant agreement No 679681). Tamás Faitli has been supported by the “New National Excellence Program of the Ministry of Human Capacities”, application number UNKP-17-1-I, for the period 01 September 2017 – 30 June 2018.. IFAC-PapersOnLine, 2018, 51, 906-911.	0.5	6
81	Brain Tumor Segmentation from MRI Data Using Ensemble Learning and Multi-Atlas. , 2020, , .		6
82	Introducing Copula as a Novel Statistical Method in Psychological Analysis. International Journal of Environmental Research and Public Health, 2021, 18, 7972.	1.2	6
83	Robust Hemodynamic Control Under General Anesthesia Conditions. IFAC-PapersOnLine, 2020, 53, 16179-16184.	0.5	6
84	Development of Conventional and Fuzzy Controllers for Output Coupled Drive Systems and Variable Inertia. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 261-269.	0.4	5
85	Detection of the root canal's centerline from dental micro-CT records. , 2009, 2009, 3517-20.		5
86	Repeatable assessment protocol for electromagnetic trackers. Proceedings of SPIE, 2012, , .	0.8	5
87	Control of T1DM via tensor product-based framework. , 2016, , .		5
88	Convex polytopic modeling of diabetes mellitus: A Tensor Product based approach. , 2016, , .		5
89	Nonlinear Model Predictive Control Using Robust Fixed Point Transformation-Based Phenomena for Controlling Tumor Growth. Machines, 2018, 6, 49.	1.2	5
90	Time delay compensation by fuzzy control in the case of master-slave telesurgery. , 2011, , .		4

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91	Quasi-Model-Based Control of Type 1 Diabetes Mellitus. Journal of Electrical and Computer Engineering, 2011, 2011, 1-12.	0.6	4
92	Developing a decision support system to determine carbohydrate intake of diabetic patients. , 2012, , .		4
93	Parallel multi-tree indexing for evaluating large descriptor sets. , 2013, , .		4
94	Continuous glucose monitoring systems in the service of artificial pancreas. , 2014, , .		4
95	Identification of C38 colon adenocarcinoma growth under bevacizumab therapy and without therapy. , 2014, , .		4
96	Performance of Soft Computing Controllers in Hemodialysis Machines. International Journal of Fuzzy Systems, 2015, 17, 414-422.	2.3	4
97	Comparison of protocol based cancer therapies and discrete controller based treatments in the case of endostatin administration. , 2016, , .		4
98	Discrete time state feedback with setpoint control, actual state observer and load estimation for a tumor growth model. , 2016, , .		4
99	Investigation of the TP modeling possibilities of the Hovorka T1DM model. , 2017, , .		4
100	Tumor Growth Control by TP-LPV-LMI Based Controller. , 2018, , .		4
101	Continuous time Robust Fixed Point Transformations based control. , 2019, , .		4
102	Comparing the measurement properties of the ICECAP-A and ICECAP-O instruments in ages 50â€“70: a cross-sectional study on a representative sample of the Hungarian general population. European Journal of Health Economics, 2021, 22, 1453-1466.	1.4	4
103	New Principles and Adequate Robust Control Methods for Artificial Pancreas. Studies in Computational Intelligence, 2010, , 75-86.	0.7	4
104	Analyzing a novel model of human blood glucose system at molecular levels. , 2009, , .		4
105	Robust positive control of a nonlinear tumor growth model. IFAC-PapersOnLine, 2020, 53, 16239-16244.	0.5	4
106	A fully symbolic design and modeling of nonlinear glucose control with Control System Professional Suite (CSPS) of Mathematica. Acta Physiologica Hungarica, 2004, 91, 147-156.	0.9	3
107	Induced L2-norm Minimization of Glucose-Insulin System for Type I Diabetic Patients. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 55-60.	0.4	3
108	Differences in the laboratory parameters of obese and healthy Hungarian children and their use in automatic classification. , 2010, 2010, 3883-6.		3

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109	Quasi In-Silico Validations of a Nonlinear LPV Model-based Robust Glucose Control Algorithm for Type I Diabetes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 7114-7119.	0.4	3
110	Effects of obesity: A multivariate analysis of laboratory parameters. , 2011, , .		3
111	Simulation of insulin regimen and glucose profiles in Type 1 diabetic patient. , 2014, , .		3
112	Robust Fixed Point Transformation based design for Model Reference Adaptive Control of a modified TORA system. , 2014, , .		3
113	Critically Safe General Anaesthesia in Closed Loop: Availability and Challenges. IFAC-PapersOnLine, 2015, 48, 551-556.	0.5	3
114	Adaptive control solution for T1DM control. , 2015, , .		3
115	Tumor Model Identification and Statistical Analysis. , 2015, , .		3
116	Effect of physical activity on cardiac autonomic function of dairy cows on commercial dairy farms. Journal of Dairy Research, 2017, 84, 395-400.	0.7	3
117	A bicompartamental dynamic tumor growth model * *This project has received funding from the European Research Council (ERC) under the European Union's Horizon 2020 research and innovation programme (grant agreement No 679681). Dávid Cserssik received funding from the Hungarian National Fund (OTKA NF-104706).. IFAC-PapersOnLine, 2017, 50, 12216-12221.	0.5	3
118	Linear matrix inequality based control of tumor growth. , 2017, , .		3
119	Bi-compartmental modelling of tumor and supporting vasculature growth dynamics for cancer treatment optimization purpose. , 2017, , .		3
120	Tensor product based modeling of tumor growth. , 2017, , .		3
121	Robust Fixed Point Transformation based Proportional-Derivative Control of Angiogenic Tumor Growth. IFAC-PapersOnLine, 2018, 51, 894-899.	0.5	3
122	A TP-LPV-LMI based control for Tumor Growth Inhibition. IFAC-PapersOnLine, 2018, 51, 155-160.	0.5	3
123	Discrete LPV Modeling of Diabetes Mellitus for Control Purposes. , 2018, , .		3
124	Receding Horizon Control of Type 1 Diabetes Mellitus by Using Nonlinear Programming. Complexity, 2018, 2018, 1-11.	0.9	3
125	Model-Based Management of Lung Cancer Radiation Therapy. IFAC-PapersOnLine, 2020, 53, 15928-15933.	0.5	3
126	Optimization of Low Dose Metronomic Therapy based on Pharmacological Parameters. IFAC-PapersOnLine, 2021, 54, 221-226.	0.5	3



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127	New Principles and Adequate Control Methods for Insulin Dosage in Case of Diabetes. <i>Advances in Soft Computing</i> , 0, , 40-44.	0.4	3
128	Correction [Product review clarifications which appeared in the April 2005 issue of <i>IEEE Control Systems Magazine</i> , vol. 25, pp. 67-75]. <i>IEEE Control Systems</i> , 2005, 25, 101-101.	1.0	2
129	Digital Video Event Detector Framework for Surveillance Applications. , 2009, , .		2
130	Surgical Case Identification for an Image-Guided Interventional System. , 2010, , .		2
131	Robust control techniques and its graphical representation in case of Type I diabetes using Mathematica. , 2010, , .		2
132	Robust Tight Glycaemic Control of ICU patients. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011, 44, 4995-5000.	0.4	2
133	Solving Robust Glucose-Insulin Control by Dixon Resultant Computations. , 2012, , .		2
134	Nonlinear analysis of Type 1 Diabetes Models by Differential Geometric Approach. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012, 45, 55-60.	0.4	2
135	Comparison of various improved-partition fuzzy c-means clustering algorithms in fast color reduction. , 2014, , .		2
136	Using total correlation to discover related clusters of clinical chemistry parameters. , 2014, , .		2
137	Nonlinear order-reduced adaptive controller for a DC motor driven electric cart. , 2014, , .		2
138	Examination of a novel double diabetes model. , 2015, , .		2
139	Investigation of the TP-based modeling possibility of a nonlinear ICU diabetes model. , 2016, , .		2
140	Long-term prediction for T1DM model during state-feedback control. , 2016, , .		2
141	Towards Automated Traceability Assessment through Augmented Lifecycle Space. <i>Communications in Computer and Information Science</i> , 2016, , 94-105.	0.4	2
142	Evaluation criteria for application life cycle management systems in practice. , 2016, , .		2
143	Infectious hospital agents: An individual-based simulation framework. , 2016, , .		2
144	Overview of taxi database from viewpoint of usability for traffic model development: A case study for Budapest. , 2017, , .		2

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145	Kalman Filtering of Discrete LPV Diabetes Mellitus Model for Control Purposes. , 2018, , .		2
146	Extended tumor growth model for combined therapy. , 2019, , .		2
147	Physiological and Bioinspired Systems Development at Obuda University: Research Activities in Budapest, a Reach Across Related Fields for the IEEE Systems, Man, and Cybernetics Society. IEEE Systems, Man, and Cybernetics Magazine, 2019, 5, 33-36.	1.2	2
148	Integrative cybermedical systems for computer-based drug delivery. , 2020, , 269-315.		2
149	Synthetic Test Data Generation for Hierarchical Graph Clustering Methods. Lecture Notes in Computer Science, 2014, , 303-310.	1.0	2
150	Chemotherapy Optimization using Moving Horizon Estimation based Nonlinear Model Predictive Control. IFAC-PapersOnLine, 2021, 54, 215-220.	0.5	2
151	The Use of Extreme Value Statistics to Characterize Blood Glucose Curves and Patient Level Risk Assessment of Patients With Type I Diabetes. Journal of Diabetes Science and Technology, 2023, 17, 400-408.	1.3	2
152	Comparing actuarial and subjective healthy life expectancy estimates: A cross-sectional survey among the general population in Hungary. PLoS ONE, 2022, 17, e0264708.	1.1	2
153	SIP security problems in NGM Services. , 2007, , .		1
154	Evaluation of Relative Focus Map Based Image Indexing. , 2007, , .		1
155	Quasi Model Based Optimal Control of Type 1 Diabetes Mellitus*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 5012-5017.	0.4	1
156	Applicability of asymptotic tracking in case of type 1 diabetes. , 2011, , .		1
157	Monitoring drivers' vital parameters. , 2012, , .		1
158	Processing Geotagged Image Sets for Collaborative Compositing and View Construction. , 2013, , .		1
159	Observation-based data driven adaptive control of an electromechanical device. , 2014, , .		1
160	Study of Modern Control Methodologies Applied to Tumor Growth under. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9271-9276.	0.4	1
161	LMI-Based Feedback Regulator Design via TP Transformation for Fluid Volume Control in Blood Purification Therapies. , 2015, , .		1
162	Information technology tools employed in infection control. , 2015, , .		1

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163	Augmented Lifecycle Space for traceability and consistency enhancement. , 2016, , .		1
164	Second-order and implicit methods in numerical integration improve tracking performance of the closed-loop inverse kinematics algorithm. , 2016, , .		1
165	A novel completed LPV controller and observer scheme in order to control nonlinear compartmental systems. , 2016, , .		1
166	The 2016 IEEE Systems, Man, and Cybernetics Conference [Conference Reports]. IEEE Systems, Man, and Cybernetics Magazine, 2017, 3, 43-51.	1.2	1
167	Towards a cyber-medical system for drug assisting devices. Journal of Physics: Conference Series, 2017, 783, 012053.	0.3	1
168	Control of nonlinear physiological systems via LPV framework. , 2017, , .		1
169	Comparison of numerical image reconstruction methods in holography. , 2017, , .		1
170	Optimal PID Based Computed Torque Control of Tumor Growth Models <a href="#">až až</a> This project has received funding from the European Research Council (ERC) under the European Unions Horizon 2020 research and innovation programme (grant agreement No 679681). B.G. Czak was supported by the UNKP-17-2/1. New National Excellence Program of the Ministry of Human Capacities.. IFAC-PapersOnLine, 2018, 51, 900-905.	0.5	1
171	Corrigendum to "Receding Horizon Control of Type 1 Diabetes Mellitus by Using Nonlinear Programming" Complexity, 2018, 2018, 1-1.	0.9	1
172	A hybrid cellular automaton model of tumor-induced angiogenesis. , 2018, , .		1
173	Fixed Point Iteration-based Adaptive Control for a Delayed Differential Equation Model of Diabetes Mellitus. , 2019, , .		1
174	Comparison of Michaelis-Menten kinetics modeling alternatives in cancer chemotherapy modeling. , 2019, , .		1
175	Linear quadratic control on a cascaded multitank system. , 2020, , .		1
176	Tumor Growth Control with Positive Input LPV Controller. , 2021, , .		1
177	A Study on Histogram Normalization for Brain Tumour Segmentation from Multispectral MR Image Data. Lecture Notes in Computer Science, 2019, , 375-384.	1.0	1
178	Robust Blood-Glucose Control of Type I Diabetes Patients Under Intensive Care Using Mathematica. , 2008, , 1210-1219.		1
179	Sensor Drift Compensation Using Fuzzy Interference System and Sparse-Grid Quadrature Filter in Blood Glucose Control. Lecture Notes in Computer Science, 2014, , 445-453.	1.0	1
180	Discrete time derivation of the Robust Fixed-Point Transformation method. IFAC-PapersOnLine, 2022, 55, 535-540.	0.5	1

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181	Control of a T1DM Model Using Robust Fixed-Point Transformations Based Control With Disturbance Rejection. , 2022, , .		1
182	Modeling and control aspects of long distance telesurgical applications. , 2010, , .		0
183	Nonlinear Control Analysis of an ICU Model for Tight Glycaemic Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1739-1744.	0.4	0
184	Ubiquitous Tracking in the Medical Environment. Procedia Computer Science, 2011, 7, 325-326.	1.2	0
185	Local shape recognition for mobile applications. , 2012, , .		0
186	Robust control of a T1DM model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 61-66.	0.4	0
187	Effect of Diagnosis on Variability of ICU Patients in Insulin Sensitivity. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 462-466.	0.4	0
188	Novel design of a Model Reference Adaptive Controller for soft tissue operations. , 2014, , .		0
189	Analysis of a novel time-delay diabetes model. , 2015, , .		0
190	Novel error interpretation in case of linear parameter varying systems. , 2015, , .		0
191	Modelling xenograft tumor growth under antiangiogenic inhibition with mixed-effects models. , 2016, , .		0
192	Physiological control systems for high-quality interdisciplinary researches. , 2016, , .		0
193	Automatic protocol based intervention plan analysis in healthcare. , 2016, , .		0
194	Control engineering approaches at Obuda University for physiological problems. , 2016, , .		0
195	Uncertainties and Modeling Errors of Type 1 Diabetes Models. Lecture Notes in Bioengineering, 2016, , 211-225.	0.3	0
196	Robust nonlinear model predictive control of diabetes mellitus. , 2017, , .		0
197	Nonlinear identification of a tumor growth model for validating cancer treatments. , 2017, , .		0
198	Nonlinear identification of glucose absorption related to Diabetes Mellitus. , 2017, , .		0

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199	Lightweight Monocular Obstacle Avoidance by Salient Feature Fusion. , 2017, , .		0
200	LPV-based control of nonlinear compartmental model with input uncertainty. , 2017, , .		0
201	Cyber-medical systems: Challenges and possibilities. , 2017, , .		0
202	Demonstration of augmented lifecycle space in heterogeneous environment. , 2018, , .		0
203	Multivariable Control of Hemodialysis Machines Via Soft Computing Method. , 2018, , .		0
204	Model-Based Simulation and Comparison of Open-Loop and Closed-Loop Combined Therapies for Tumor Treatment. , 2018, , .		0
205	Control of tumor growth by modern control methodologies. , 2018, , .		0
206	Multivariable Control Structures of Hemodialysis Machines for Patient Fluid Balance Maintenance. , 2018, , .		0
207	Prediction of the Survival of Patients with Cardiac Failure by Using Soft Computing Techniques. , 2018, , .		0
208	Systemic Fluid Balance Control in Hemodialysis Machines with ANFIS. , 2019, , .		0
209	A TP-LPV-LMI Approach to Control of Tumor Growth. Topics in Intelligent Engineering and Informatics, 2020, , 223-252.	0.4	0
210	Application of Heuristic Optimization in Bioimpedance Spectroscopy Evaluation. , 2021, , .		0
211	Applicability of Asymptotic Tracking in Case of Type 1 Diabetes. Topics in Intelligent Engineering and Informatics, 2012, , 249-260.	0.4	0
212	Image Classification Optimization of High Resolution Tissue Images. Lecture Notes in Computer Science, 2014, , 532-539.	1.0	0
213	Model-Based Disease Treatment: A Control Engineering Approach. Topics in Intelligent Engineering and Informatics, 2014, , 55-67.	0.4	0
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