

# 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	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
2	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
3	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
4	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
5	Discrete time derivation of the Robust Fixed-Point Transformation method. IFAC-PapersOnLine, 2022, 55, 535-540.	0.5	1
6	Using non-stationary extreme value analysis to characterize blood glucose curves. , 2022, , .		0
7	Experimental Closed-Loop Control of Breast Cancer in Mice. Complexity, 2022, 2022, 1-10.	0.9	8
8	Control of a T1DM Model Using Robust Fixed-Point Transformations Based Control With Disturbance Rejection. , 2022, , .		1
9	Application of Heuristic Optimization in Bioimpedance Spectroscopy Evaluation. , 2021, , .		0
10	Comparing the measurement properties of the ICECAP-A and ICECAP-O instruments in ages 50-70: 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
11	Tumor Growth Control with Positive Input LPV Controller. , 2021, , .		1
12	Introducing Copula as a Novel Statistical Method in Psychological Analysis. International Journal of Environmental Research and Public Health, 2021, 18, 7972.	1.2	6
13	Predicting the Parameters of Vortex Bladeless Wind Turbine Using Deep Learning Method of Long Short-Term Memory. Energies, 2021, 14, 4867.	1.6	41
14	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
15	Chemotherapy Optimization using Moving Horizon Estimation based Nonlinear Model Predictive Control. IFAC-PapersOnLine, 2021, 54, 215-220.	0.5	2
16	Optimization of Low Dose Metronomic Therapy based on Pharmacological Parameters. IFAC-PapersOnLine, 2021, 54, 221-226.	0.5	3
17	Development of non-invasive, bioimpedance-based measuring device for primary tumor detection. , 2021, , .		0
18	A TP-LPV-LMI Approach to Control of Tumor Growth. Topics in Intelligent Engineering and Informatics, 2020, , 223-252.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Physical Validation of a Residual Impedance Rejection Method during Ultra-Low Frequency Bio-Impedance Spectral Measurements. <i>Sensors</i> , 2020, 20, 4686.	2.1	18
20	Linear quadratic control on a cascaded multitank system. , 2020, , .		1
21	State and Parameter Estimation of a Mathematical Carcinoma Model under Chemotherapeutic Treatment. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 9046.	1.3	11
22	Integrative cybermedical systems for computer-based drug delivery. , 2020, , 269-315.		2
23	Brain Tumor Segmentation from MRI Data Using Ensemble Learning and Multi-Atlas. , 2020, , .		6
24	Exploring eHealth Literacy and Patient-Reported Experiences With Outpatient Care in the Hungarian General Adult Population: Cross-Sectional Study. <i>Journal of Medical Internet Research</i> , 2020, 22, e19013.	2.1	17
25	Experimental data-driven tumor modeling for chemotherapy. <i>IFAC-PapersOnLine</i> , 2020, 53, 16245-16250.	0.5	22
26	Model-Based Management of Lung Cancer Radiation Therapy. <i>IFAC-PapersOnLine</i> , 2020, 53, 15928-15933.	0.5	3
27	Reaction kinetic interpretation of mechanisms related to vascular tumor growth with respect to structural identifiability. <i>IFAC-PapersOnLine</i> , 2020, 53, 16106-16111.	0.5	0
28	Robust Hemodynamic Control Under General Anesthesia Conditions. <i>IFAC-PapersOnLine</i> , 2020, 53, 16179-16184.	0.5	6
29	Robust positive control of a nonlinear tumor growth model. <i>IFAC-PapersOnLine</i> , 2020, 53, 16239-16244.	0.5	4
30	Finding improved predictive models with Generalized Boosted Models on Hungarian Myocardial Infarction Registry. , 2020, , .		0
31	Systemic Fluid Balance Control in Hemodialysis Machines with ANFIS. , 2019, , .		0
32	Control of Diabetes Mellitus by Advanced Robust Control Solution. <i>IEEE Access</i> , 2019, 7, 125609-125622.	2.6	15
33	SFM And Semantic Information Based Online Targetless Camera-LIDAR Self-Calibration. , 2019, , .		12
34	Comparing machine learning and regression models for mortality prediction based on the Hungarian Myocardial Infarction Registry. <i>Knowledge-Based Systems</i> , 2019, 179, 1-7.	4.0	26
35	Reinforcement learning-based control of tumor growth under anti-angiogenic therapy. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 173, 15-26.	2.6	25
36	Dynamic Modeling of the Angiogenic Switch and Its Inhibition by Bevacizumab. <i>Complexity</i> , 2019, 2019, 1-18.	0.9	8

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37	Continuous time Robust Fixed Point Transformations based control. , 2019, , .		4
38	Extended tumor growth model for combined therapy. , 2019, , .		2
39	Fixed Point Iteration-based Adaptive Control for a Delayed Differential Equation Model of Diabetes Mellitus. , 2019, , .		1
40	Comparison of Michaelis-Menten kinetics modeling alternatives in cancer chemotherapy modeling. , 2019, , .		1
41	Modeling of tumor growth incorporating the effect of pegylated liposomal doxorubicin. , 2019, , .		13
42	Brain Tumor Detection and Segmentation from Magnetic Resonance Image Data Using Ensemble Learning Methods. , 2019, , .		8
43	Optimization of impulsive discrete-time tumor chemotherapy. , 2019, , .		12
44	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
45	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
46	Tumor dynamics modeling based on formalreaction kinetics. Acta Polytechnica Hungarica, 2019, 16, 31-44.	2.5	33
47	Demonstration of augmented lifecycle space in heterogeneous environment. , 2018, , .		0
48	Predicting body fat percentage from anthropometric and laboratory measurements using artificial neural networks. Applied Soft Computing Journal, 2018, 67, 834-839.	4.1	26
49	Optimal PID Based Computed Torque Control of Tumor Growth Models $\hat{z}$ $\hat{z}$ 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/I. New National Excellence Program of the Ministry of Human Capacities.. IFAC-PapersOnLine, 2018, 51, 890-895.	0.5	1
50	Robust Fixed Point Transformation based Proportional-Derivative Control of Angiogenic Tumor Growth. IFAC-PapersOnLine, 2018, 51, 894-899.	0.5	3
51	$\hat{H}$ control of nonlinear systems with positive input with application to antiangiogenic therapy. IFAC-PapersOnLine, 2018, 51, 146-151.	0.5	6
52	A TP-LPV-LMI based control for Tumor Growth Inhibition. IFAC-PapersOnLine, 2018, 51, 155-160.	0.5	3
53	Novel Optimum Magnitude Based Fractional Order Controller Design Method. IFAC-PapersOnLine, 2018, 51, 912-917.	0.5	6
54	Fractional Order PID-type Feedback in Fixed Point Transformation-based Adaptive Control of the FitzHugh-Nagumo Neuron Model with Time-delay $\hat{z}$ $\hat{z}$ 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

#	ARTICLE	IF	CITATIONS
55	Multivariable Control of Hemodialysis Machines Via Soft Computing Method. , 2018, , .		0
56	Discrete LPV Modeling of Diabetes Mellitus for Control Purposes. , 2018, , .		3
57	Tumor Growth Control by TP-LPV-LMI Based Controller. , 2018, , .		4
58	Nonlinear Model Predictive Control Using Robust Fixed Point Transformation-Based Phenomena for Controlling Tumor Growth. Machines, 2018, 6, 49.	1.2	5
59	Model-Based Simulation and Comparison of Open-Loop and Closed-Loop Combined Therapies for Tumor Treatment. , 2018, , .		0
60	Control of tumor growth by modern control methodologies. , 2018, , .		0
61	Corrigendum to "Receding Horizon Control of Type 1 Diabetes Mellitus by Using Nonlinear Programming" Complexity, 2018, 2018, 1-1.	0.9	1
62	Fractional order control of the cyber-physical cryogenic isotope separation columns cascade system. , 2018, , .		8
63	Multivariable Control Structures of Hemodialysis Machines for Patient Fluid Balance Maintenance. , 2018, , .		0
64	Qualitative analysis of a closed-loop model of tumor growth control. , 2018, , .		10
65	Kalman Filtering of Discrete LPV Diabetes Mellitus Model for Control Purposes. , 2018, , .		2
66	Receding Horizon Control of Type 1 Diabetes Mellitus by Using Nonlinear Programming. Complexity, 2018, 2018, 1-11.	0.9	3
67	A hybrid cellular automaton model of tumor-induced angiogenesis. , 2018, , .		1
68	Prediction of the Survival of Patients with Cardiac Failure by Using Soft Computing Techniques. , 2018, , .		0
69	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
70	The 2016 IEEE Systems, Man, and Cybernetics Conference [Conference Reports]. IEEE Systems, Man, and Cybernetics Magazine, 2017, 3, 43-51.	1.2	1
71	Towards a cyber-medical system for drug assisting devices. Journal of Physics: Conference Series, 2017, 783, 012053.	0.3	1
72	A minimal model of tumor growth with angiogenic inhibition using bevacizumab. , 2017, , .		22

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73	Investigation of the TP modeling possibilities of the Hovorka T1DM model. , 2017, , .		4
74	Robust nonlinear model predictive control of diabetes mellitus. , 2017, , .		0
75	Optimal discrete time control of antiangiogenic tumor therapy * *This project has received funding from the European Research Council (ERC) under the European Unionâ€™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
76	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
77	A robust fixed point transformation-based approach for type 1 diabetes control. Nonlinear Dynamics, 2017, 89, 2481-2493.	2.7	21
78	Nonlinear identification of a tumor growth model for validating cancer treatments. , 2017, , .		0
79	A bicompartamental dynamic tumor growth model * *This project has received funding from the European Research Council (ERC) under the European Unionâ€™s Horizon 2020 research and innovation programme (grant agreement No 679681). DÃ¡vid Cserecsik received funding from the Hungarian National Fund (OTKA NF-104706).. IFAC-PapersOnLine, 2017, 50, 12216-12221.	0.5	3
80	Positive nonlinear control of tumor growth using angiogenic inhibition * *This project has received funding from the European Research Council (ERC) under the European Unionâ€™s Horizon 2020 research and innovation programme (grant agreement No 679681).. IFAC-PapersOnLine, 2017, 50, 15068-15073.	0.5	13
81	Linear matrix inequality based control of tumor growth. , 2017, , .		3
82	Nonlinear identification of glucose absorption related to Diabetes Mellitus. , 2017, , .		0
83	Model-based optimal control method for cancer treatment using model predictive control and robust fixed point method. , 2017, , .		9
84	Control of nonlinear physiological systems via LPV framework. , 2017, , .		1
85	Bi-compartmental modelling of tumor and supporting vasculature growth dynamics for cancer treatment optimization purpose. , 2017, , .		3
86	Lightweight Monocular Obstacle Avoidance by Salient Feature Fusion. , 2017, , .		0
87	Positive control of a minimal model of tumor growth with bevacizumab treatment. , 2017, , .		10
88	Overview of taxi database from viewpoint of usability for traffic model development: A case study for Budapest. , 2017, , .		2
89	LPV-based control of nonlinear compartmental model with input uncertainty. , 2017, , .		0
90	Cyber-medical systems: Challenges and possibilities. , 2017, , .		0

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91	Tensor product based modeling of tumor growth. , 2017, , .		3
92	Comparison of numerical image reconstruction methods in holography. , 2017, , .		1
93	Modeling of Tumor Growth Incorporating the Effects of Necrosis and the Effect of Bevacizumab. Complexity, 2017, 2017, 1-10.	0.9	44
94	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
95	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
96	Comparison of protocol based cancer therapies and discrete controller based treatments in the case of endostatin administration. , 2016, , .		4
97	Augmented Lifecycle Space for traceability and consistency enhancement. , 2016, , .		1
98	Investigation of the TP-based modeling possibility of a nonlinear ICU diabetes model. , 2016, , .		2
99	Control of T1DM via tensor product-based framework. , 2016, , .		5
100	Modelling xenograft tumor growth under antiangiogenic inhibition with mixed-effects models. , 2016, , .		0
101	Second-order and implicit methods in numerical integration improve tracking performance of the closed-loop inverse kinematics algorithm. , 2016, , .		1
102	Physiological control systems for high-quality interdisciplinary researches. , 2016, , .		0
103	Convex polytopic modeling of diabetes mellitus: A Tensor Product based approach. , 2016, , .		5
104	Automatic protocol based intervention plan analysis in healthcare. , 2016, , .		0
105	Discrete time state feedback with setpoint control, actual state observer and load estimation for a tumor growth model. , 2016, , .		4
106	Long-term prediction for T1DM model during state-feedback control. , 2016, , .		2
107	Towards Automated Traceability Assessment through Augmented Lifecycle Space. Communications in Computer and Information Science, 2016, , 94-105.	0.4	2
108	Control engineering approaches at Obuda University for physiological problems. , 2016, , .		0

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109	A novel completed LPV controller and observer scheme in order to control nonlinear compartmental systems. , 2016, , .		1
110	Evaluation criteria for application life cycle management systems in practice. , 2016, , .		2
111	Infectious hospital agents: An individual-based simulation framework. , 2016, , .		2
112	Uncertainties and Modeling Errors of Type 1 Diabetes Models. Lecture Notes in Bioengineering, 2016, , 211-225.	0.3	0
113	Critically Safe General Anaesthesia in Closed Loop: Availability and Challenges. IFAC-PapersOnLine, 2015, 48, 551-556.	0.5	3
114	Application of Robust Fixed Point Control in Case of T1DM. , 2015, , .		14
115	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
116	Tumor Volume Estimation and Quasi-Continuous Administration for Most Effective Bevacizumab Therapy. PLoS ONE, 2015, 10, e0142190.	1.1	103
117	LMI-Based Feedback Regulator Design via TP Transformation for Fluid Volume Control in Blood Purification Therapies. , 2015, , .		1
118	Information technology tools employed in infection control. , 2015, , .		1
119	Analysis of a novel time-delay diabetes model. , 2015, , .		0
120	Novel error interpretation in case of linear parameter varying systems. , 2015, , .		0
121	Adaptive control solution for T1DM control. , 2015, , .		3
122	Tumor Model Identification and Statistical Analysis. , 2015, , .		3
123	Comparison of mathematical tumor growth models. , 2015, , .		7
124	Aspects of improvement of software development lifecycle management. , 2015, , .		6
125	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
126	Quantitative impact of direct, personal feedback on hand hygiene technique. Journal of Hospital Infection, 2015, 91, 81-84.	1.4	23



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127	Trends in Major Lower Limb Amputation Related to Peripheral Arterial Disease in Hungary: A Nationwide Study (2004–2012). <i>European Journal of Vascular and Endovascular Surgery</i> , 2015, 50, 78-85.	0.8	37
128	Examination of a novel double diabetes model. , 2015, , .		2
129	Performance of Soft Computing Controllers in Hemodialysis Machines. <i>International Journal of Fuzzy Systems</i> , 2015, 17, 414-422.	2.3	4
130	Heart Rate Variability as an Indicator of Chronic Stress Caused by Lameness in Dairy Cows. <i>PLoS ONE</i> , 2015, 10, e0134792.	1.1	48
131	High Resolution Digital Tissue Image Processing using Texture Image Databases. <i>IFIP Advances in Information and Communication Technology</i> , 2015, , 239-247.	0.5	0
132	Simulation of insulin regimen and glucose profiles in Type 1 diabetic patient. , 2014, , .		3
133	Comparison of various improved-partition fuzzy c-means clustering algorithms in fast color reduction. , 2014, , .		2
134	Using total correlation to discover related clusters of clinical chemistry parameters. , 2014, , .		2
135	Comparison of sigma-point filters for state estimation of diabetes models. , 2014, , .		9
136	Observation-based data driven adaptive control of an electromechanical device. , 2014, , .		1
137	Model-based angiogenic inhibition of tumor growth using modern robust control method. <i>Computer Methods and Programs in Biomedicine</i> , 2014, 114, e98-e110.	2.6	53
138	Robust Fixed Point Transformation based design for Model Reference Adaptive Control of a modified TORA system. , 2014, , .		3
139	Application of fuzzy logic in hemodialysis equipment. , 2014, , .		9
140	Review of tool-tissue interaction models for robotic surgery applications. , 2014, , .		9
141	Nonlinear order-reduced adaptive controller for a DC motor driven electric cart. , 2014, , .		2
142	Continuous glucose monitoring systems in the service of artificial pancreas. , 2014, , .		4
143	Identification of C38 colon adenocarcinoma growth under bevacizumab therapy and without therapy. , 2014, , .		4
144	Linear Matrix Inequality-based Robust Controller design for Type-1 Diabetes Model. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014, 47, 9247-9252.	0.4	23

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145	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
146	Novel design of a Model Reference Adaptive Controller for soft tissue operations. , 2014, , .		0
147	Adaptive soft computing methods for control of hemodialysis machines. , 2014, , .		7
148	Model-based Angiogenic Inhibition of Tumor Growth using Adaptive Fuzzy Techniques. Periodica Polytechnica Electrical Engineering and Computer Science, 2014, 58, 29.	0.6	7
149	Image Classification Optimization of High Resolution Tissue Images. Lecture Notes in Computer Science, 2014, , 532-539.	1.0	0
150	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
151	Model-Based Disease Treatment: A Control Engineering Approach. Topics in Intelligent Engineering and Informatics, 2014, , 55-67.	0.4	0
152	Synthetic Test Data Generation for Hierarchical Graph Clustering Methods. Lecture Notes in Computer Science, 2014, , 303-310.	1.0	2
153	Parameter optimization of H&inf&gt;&#x221E;&lt;/inf&gt; controller designed for tumor growth in the light of physiological aspects. , 2013, , .		6
154	Parallel multi-tree indexing for evaluating large descriptor sets. , 2013, , .		4
155	AbstractsAbstracts from ATTD 20136th International Conference on Advanced Technologies & Treatments for Diabetes<i>Paris, France, February 27&#x2013;March 2, 2013</i>. Diabetes Technology and Therapeutics, 2013, 15, A-1-A-154.	2.4	10
156	Identification and control of peristaltic pumps in hemodialysis machines. , 2013, , .		11
157	Tumor growth model identification and analysis in case of C38 colon adenocarcinoma and B16 melanoma. , 2013, , .		6
158	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
159	Modern robust control in Patophysiology from theory to application. , 2013, , .		9
160	Model-based angiogenic inhibition of tumor growth using feedback linearization. , 2013, , .		8
161	Processing Geotagged Image Sets for Collaborative Compositing and View Construction. , 2013, , .		1
162	Daily Evolution of Insulin Sensitivity Variability with Respect to Diagnosis in the Critically Ill. PLoS ONE, 2013, 8, e57119.	1.1	13

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163	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
164	Solving Robust Glucose-Insulin Control by Dixon Resultant Computations. , 2012, , .		2
165	Local shape recognition for mobile applications. , 2012, , .		0
166	Repeatable assessment protocol for electromagnetic trackers. Proceedings of SPIE, 2012, , .	0.8	5
167	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
168	Robust control of a T1DM model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 61-66.	0.4	0
169	Nonlinear analysis of Type 1 Diabetes Models by Differential Geometric Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 55-60.	0.4	2
170	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
171	Developing a decision support system to determine carbohydrate intake of diabetic patients. , 2012, , .		4
172	Monitoring drivers' vital parameters. , 2012, , .		1
173	Simulation and control for telerobots in space medicine. Acta Astronautica, 2012, 81, 390-402.	1.7	55
174	Linear state-feedback control synthesis of tumor growth control in antiangiogenic therapy. , 2012, , .		16
175	Flat control of tumor growth with angiogenic inhibition. , 2012, , .		15
176	Applicability of Asymptotic Tracking in Case of Type 1 Diabetes. Topics in Intelligent Engineering and Informatics, 2012, , 249-260.	0.4	0
177	Time delay compensation by fuzzy control in the case of master-slave telesurgery. , 2011, , .		4
178	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
179	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
180	Robust Tight Glycaemic Control of ICU patients. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 4995-5000.	0.4	2

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181	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
182	Cascade Control for Telerobotic Systems Serving Space Medicine*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3759-3764.	0.4	83
183	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
184	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
185	Ubiquitous Tracking in the Medical Environment. Procedia Computer Science, 2011, 7, 325-326.	1.2	0
186	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
187	Robust servo control of a novel type 1 diabetic model. Optimal Control Applications and Methods, 2011, 32, 215-238.	1.3	29
188	Towards unified electromagnetic tracking system assessment-static errors. , 2011, 2011, 1905-8.		6
189	Applicability of asymptotic tracking in case of type 1 diabetes. , 2011, , .		1
190	Asymptotic output tracking in blood glucose control. A case study. , 2011, , .		9
191	Quasi-Model-Based Control of Type 1 Diabetes Mellitus. Journal of Electrical and Computer Engineering, 2011, 2011, 1-12.	0.6	4
192	Effects of obesity: A multivariate analysis of laboratory parameters. , 2011, , .		3
193	Differences in the laboratory parameters of obese and healthy Hungarian children and their use in automatic classification. , 2010, 2010, 3883-6.		3
194	Surgical Case Identification for an Image-Guided Interventional System. , 2010, , .		2
195	Modeling and control aspects of long distance telesurgical applications. , 2010, , .		0
196	Robust control techniques and its graphical representation in case of Type I diabetes using Mathematica. , 2010, , .		2
197	New Principles and Adequate Robust Control Methods for Artificial Pancreas. Studies in Computational Intelligence, 2010, , 75-86.	0.7	4
198	Detection of the root canal's centerline from dental micro-CT records. , 2009, 2009, 3517-20.		5

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199	The StoLPan view of the NFC ecosystem. , 2009, , .		9
200	Digital Video Event Detector Framework for Surveillance Applications. , 2009, , .		2
201	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
202	VISRET – A Content Based Annotation, Retrieval and Visualization Toolchain. Lecture Notes in Computer Science, 2009, , 265-276.	1.0	7
203	Analyzing a novel model of human blood glucose system at molecular levels. , 2009, , .		4
204	Model-based nonlinear optimal blood glucose control of Type I diabetes patients. , 2008, 2008, 1607-10.		12
205	Robust Blood-Glucose Control of Type I Diabetes Patients Under Intensive Care Using Mathematica. , 2008, , 1210-1219.		1
206	SIP security problems in NGM Services. , 2007, , .		1
207	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
208	Evaluation of Relative Focus Map Based Image Indexing. , 2007, , .		1
209	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
210	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
211	Robust Blood-Glucose Control using Mathematica. , 2006, 2006, 451-4.		9
212	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
213	Product review - Control system professional suite. IEEE Control Systems, 2005, 25, 67-75.	1.0	15
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