## Andreas Kugi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

334
papers

3,043
citations

26
h-index
g-index

3,775
ext. papers

2.6
avg, IF

L-index

#	Paper	IF	Citations
334	Iterative learning and feedback control for the curvature and contact force of a metal strip on a roll. <i>Control Engineering Practice</i> , <b>2022</b> , 121, 105071	3.9	
333	Optimal force control of a permanent magnet linear synchronous motor based on a magnetic equivalent circuit model. <i>Control Engineering Practice</i> , <b>2022</b> , 122, 105076	3.9	2
332	Cancellation of unknown multi-harmonic disturbances in multivariable flexible mechanical structures. <i>Automatica</i> , <b>2022</b> , 137, 110123	5.7	1
331	Reheating time optimization for metal products in batch-type furnaces. <i>International Journal of Heat and Mass Transfer</i> , <b>2022</b> , 186, 122474	4.9	
330	Efficient oscillation detection for verification of mechatronic closed-loop systems using search-based testing. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 163, 108112	7.8	2
329	Are edger rolls useful to control the plate motion and camber in a reversing rolling mill?. <i>Journal of Process Control</i> , <b>2022</b> , 114, 71-81	3.9	O
328	Optimization-based estimator for the lateral strip position in tandem hot rolling. <i>IFAC-PapersOnLine</i> , <b>2021</b> , 54, 7-12	0.7	1
327	Optimal Start Times for a Flow Shop with Blocking Constraints, No-Wait Constraints, and Stochastic Processing Times. <i>IFAC-PapersOnLine</i> , <b>2021</b> , 54, 659-664	0.7	
326	Optimal Thread-In and Thread-Out Strategies for Heavy Plate Levelers. <i>IFAC-PapersOnLine</i> , <b>2021</b> , 54, 1-6	0.7	
325	Automatic Yaw Rotation of Plates on Roller Tables. IFAC-PapersOnLine, 2021, 54, 19-24	0.7	
324	Surface-Based Path Following Control: Application of Curved Tapes on 3-D Objects. <i>IEEE Transactions on Robotics</i> , <b>2021</b> , 37, 615-626	6.5	O
323	Modeling and control of a novel pneumatic two-stage piezoelectric-actuated valve. <i>Mechatronics</i> , <b>2021</b> , 75, 102529	3	1
322	Modeling of a permanent magnet linear synchronous motor using magnetic equivalent circuits. <i>Mechatronics</i> , <b>2021</b> , 76, 102558	3	1
321	Real-time optimal quantum control of mechanical motion at room temperature. <i>Nature</i> , <b>2021</b> , 595, 373	-357574	38
320	A two-stage observer for the compensation of actuator-induced disturbances in tool-force sensors. <i>Mechanical Systems and Signal Processing</i> , <b>2021</b> , 146, 106989	7.8	4
319	Stochastic Iterative Learning Control for Lumped- and Distributed-Parameter Systems: A Wiener-Filtering Approach. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 3856-3862	5.9	O
318	Nonlinear Model Predictive Control of a Variable-Speed Pumped-Storage Power Plant. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 29, 645-660	4.8	8

317	Fault-tolerant torque control of a three-phase permanent magnet synchronous motor with inter-turn winding short circuit. <i>Control Engineering Practice</i> , <b>2021</b> , 113, 104846	3.9	2
316	A novel mass flow controller for tandem hot rolling mills. <i>Journal of Process Control</i> , <b>2021</b> , 104, 168-177	3.9	1
315	Optimale AbstEzung eines mobilen GroEaummanipulators. <i>Automatisierungstechnik</i> , <b>2021</b> , 69, 782-794	0.8	О
314	Frequency-adaptive cancellation of harmonic disturbances at non-measurable positions of steel strips. <i>Mechatronics</i> , <b>2020</b> , 71, 102423	3	4
313	Feedforward control of the transverse strip profile in hot-dip galvanizing lines. <i>Journal of Process Control</i> , <b>2020</b> , 92, 35-49	3.9	1
312	Model-based optimization of blade geometry in rolling-cut shearing to minimize common defects of the sheared edge. <i>Journal of Manufacturing Processes</i> , <b>2020</b> , 52, 213-219	5	1
311	Steady-state and dynamic simulation of a grinding mill using grind curves. <i>Minerals Engineering</i> , <b>2020</b> , 152, 106208	4.9	3
310	A Magnetic Equivalent Circuit Based Modeling Framework for Electric Motors Applied to a PMSM With Winding Short Circuit. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 12285-12295	7.2	13
309	Model-Based Fault Identification of Inter-Turn Winding Short Circuits in PMSM 2020,		1
308	In-Line Estimation of the Magnetization Curve of Steel Strips in a Continuous Induction Furnace. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 12062-12067	0.7	1
307	Estimation of Quality Parameters of Trimmed Steel Plates using Laser Sensors. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 11848-11853	0.7	
306	Pfadfolgeregelung mit Konzepten fElden Pfadfortschritt: Ein Assemblierungsszenario. <i>Automatisierungstechnik</i> , <b>2020</b> , 68, 44-57	0.8	
305	Part Mass Estimation Strategy for Injection Molding Machines. IFAC-PapersOnLine, 2020, 53, 10366-103	<b>7</b> ₫. <sub>7</sub>	
304	Bifurcation suppression in regenerative amplifiers by active feedback methods. <i>Optics Express</i> , <b>2020</b> , 28, 1722-1737	3.3	4
303	Model-Based Dynamic Calibration of a Multi-Actuator Gap Leveler for Heavy Plates. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2020</b> , 142,	3.3	1
302	Discrete-Time Repetitive Control for Multi-Harmonic Reference Trajectories with Arbitrary Frequency. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 1646-1651	0.7	2
301	Optimal control of plate motion and camber in a reversing rolling mill. IFAC-PapersOnLine, 2020, 53, 119	962 <del>7</del> 11	967
300	On the global feedback stabilization of regenerative optical amplifiers. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 5447-5452	0.7	O

299	Fast motion planning for a laboratory 3D gantry crane in the presence of obstacles. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 9508-9514	0.7	Ο
298	Temperature Control for Induction Heating of Thin Strips. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 11968-11973	0.7	2
297	Magnetic Actuator Design for Strip Stabilizers in Hot-Dip Galvanizing Lines: Examining Rules and Basic Tradeoffs. <i>IEEE Industry Applications Magazine</i> , <b>2020</b> , 26, 54-63	0.6	3
296	High-Speed Nonlinear MPC with Long Prediction Horizon for Interleaved Switching AC/DC-Converters <b>2020</b> ,		1
295	Efficient scheduling of a stochastic no-wait job shop with controllable processing times. <i>Expert Systems With Applications</i> , <b>2020</b> , 162, 113879	7.8	8
294	High-speed nonlinear model predictive control of an interleaved switching DC/DC-converter. <i>Control Engineering Practice</i> , <b>2020</b> , 103, 104576	3.9	9
293	Adaptive feedforward thickness control in hot strip rolling with oil lubrication. <i>Control Engineering Practice</i> , <b>2020</b> , 103, 104584	3.9	2
292	A design technique for fast sampled-data nonlinear model predictive control with convergence and stability results. <i>International Journal of Control</i> , <b>2020</b> , 93, 81-97	1.5	2
291	Model-Predictive Control of Servo-Pump Driven Injection Molding Machines. <i>IEEE Transactions on Control Systems Technology</i> , <b>2020</b> , 28, 1665-1680	4.8	3
290	A dynamic model of power metal-oxide-semiconductor field-effect transistor half-bridges for the fast simulation of switching induced electromagnetic emissions. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , <b>2019</b> , 25, 242-260	1	2
289	Nichtlineare modellprdiktive Regelung eines Abwilmerdkgewinnungssystems fil LKW-Dieselmotoren. <i>Automatisierungstechnik</i> , <b>2019</b> , 67, 129-144	0.8	
288	Online Parameter Estimation for Adaptive Feedforward Control of the Strip Thickness in a Hot Strip Rolling Mill. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2019</b> , 141, 071	0 <del>0</del> 3	6
287	Nonlinear 3D path following control of a fixed-wing aircraft based on acceleration control. <i>Control Engineering Practice</i> , <b>2019</b> , 86, 56-69	3.9	11
286	Model-based estimation of the stress-strain curve of metal strips. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , <b>2019</b> , 25, 224-241	1	1
285	Lateral Forces in Rolling-Cut Shearing and Their Consequences on Common Edge Defects. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2019</b> , 141,	3.3	3
284	Magnetic Equivalent Circuit Model of a Dual Three-Phase PMSM with Winding Short Circuit <b>2019</b> ,		3
283	Torque Control of a Hydrostatic Transmission Applied to a Wheel Loader <b>2019</b> ,		2
282	Optimal feedforward control of hydraulic drive systems with long pipelines. <i>Proceedings in Applied Mathematics and Mechanics</i> , <b>2019</b> , 19, e201900195	0.2	

281	Slip Model Adaptation Based on Measurements of the Strip Velocity. IFAC-PapersOnLine, 2019, 52, 42-4	<b>7</b> 0.7	2
280	Swing-Up of a Spherical Pendulum on a 7-Axis Industrial Robot. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 346-351	0.7	O
279	Improved EMD-based Oscillation Detection for Mechatronic Closed-Loop Systems. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 370-375	0.7	2
278	Non-Collocated Position Control of Steel Strip With Electromagnetic Rejection of Unknown Multi-Harmonic Disturbances. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 430-435	0.7	1
277	Collaborative Synchronization of a 7-Axis Robot. IFAC-PapersOnLine, 2019, 52, 507-512	0.7	2
276	Time-optimal fold out of large-scale manipulators with obstacle avoidance. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 114-119	0.7	1
275	Dynamic Virtual Fixtures Based on Path Following Control. IFAC-PapersOnLine, 2019, 52, 424-429	0.7	
274	Optimal Current Slew Rate Control for a Three-Phase MOSFET Inverter Driving a PMSM. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 85-90	0.7	
273	Reduced-Order Modeling of a Radiative Heating Process with Movable Radiators. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 346-351	0.7	О
272	A Nonlinear MPC Strategy for AC/DC-Converters tailored to the Implementation on FPGAs. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 376-381	0.7	4
271	Vision-based inspection and segmentation of trimmed steel edges. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 165-17	<b>70</b> .7	3
270	Cycle-based Adaption of a Model-Predictive Control Strategy for Injection Molding Machines. <i>Proceedings in Applied Mathematics and Mechanics</i> , <b>2019</b> , 19, e201900317	0.2	
269	Asymmetric hydrodynamic roll gap model and its experimental validation. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2019</b> , 100, 3101-3111	3.2	5
268	Hamilton's Principle for Material and Nonmaterial Control Volumes Using Lagrangian and Eulerian Description of Motion. <i>Applied Mechanics Reviews</i> , <b>2019</b> , 71,	8.6	5
267	Optimization-based feedforward control of the strip thickness profile in hot strip rolling. <i>Journal of Process Control</i> , <b>2018</b> , 64, 100-111	3.9	17
266	Early- and late-lumping observer designs for long hydraulic pipelines: Application to pumped-storage power plants. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 2759-27	7 <b>3</b> 9.6	5
265	Control and estimation strategies for pneumatic drives with partial position information. <i>Mechatronics</i> , <b>2018</b> , 50, 259-270	3	4
264	Identifikation und Simulation optischer VerstEker filultra-kurze Laserpulse.  Automatisierungstechnik, <b>2018</b> , 66, 66-78	0.8	

263	Hierarchical nonlinear optimization-based controller of a continuous strip annealing furnace. <i>Control Engineering Practice</i> , <b>2018</b> , 73, 40-55	3.9	9
262	Convex Constrained Iterative Learning Control Using Projection: Application to a Smart Power Switch. <i>IEEE Transactions on Control Systems Technology</i> , <b>2018</b> , 26, 1818-1825	4.8	8
261	Closed-loop stability analysis of a gantry crane with heavy chain and payload. <i>International Journal of Control</i> , <b>2018</b> , 91, 1931-1943	1.5	8
260	Feedback Control of the Contour Shape in Heavy-Plate Hot Rolling. <i>IEEE Transactions on Control Systems Technology</i> , <b>2018</b> , 26, 842-856	4.8	9
259	The spectral element method as an efficient tool for transient simulations of hydraulic systems. <i>Applied Mathematical Modelling</i> , <b>2018</b> , 54, 627-647	4.5	7
258	Control-oriented modeling of servo-pump driven injection molding machines in the filling and packing phase. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , <b>2018</b> , 24, 451-474	1	7
257	A Path/Surface Following Control Approach to Generate Virtual Fixtures. <i>IEEE Transactions on Robotics</i> , <b>2018</b> , 34, 1577-1592	6.5	9
256	State estimation and advanced control of the 2D temperature field in an experimental oscillating annealing device. <i>Control Engineering Practice</i> , <b>2018</b> , 78, 116-128	3.9	2
255	Magnetic actuator design for strip stabilizers in hot dip galvanizing lines 2018,		3
254	Active rejection control for unknown harmonic disturbances of the transverse deflection of steel strips with control input, system output, sensor output, and disturbance input at different positions. <i>Mechatronics</i> , <b>2018</b> , 56, 73-86	3	10
253	A robust real-time model for plate leveling. IFAC-PapersOnLine, 2018, 51, 61-66	0.7	5
252	Scheduling of a Flexible Job Shop with Multiple Constraints. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 1293-1298	0.7	3
251	Model Averaging and Feedforward Temperature Control in an Oscillating Annealing Furnace. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 163-168	0.7	1
250	Optimal Parameter Identification for a Hydrodynamic Roll Gap Model in Hot Strip Rolling. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 195-200	0.7	5
249	Flatness-based nonlinear control of a three-dimensional gantry crane. IFAC-PapersOnLine, 2018, 51, 331	- <b>33</b> 6	4
248	A Computationally Efficient 3D Mathematical Model of a Molybdenum Batch-Reheating Furnace? ?This research work has been performed in the EU project Power Semiconductor and Electronics Manufacturing 4.0 (SemI40), which is funded by the programme Electronic Component Systems for	0.7	1
247	Modeling and iterative pulse-shape control of optical chirped pulse amplifiers. <i>Automatica</i> , <b>2018</b> , 98, 150-158	5.7	4
246	Model predictive control of an automotive waste heat recovery system. <i>Control Engineering Practice</i> , <b>2018</b> , 81, 28-42	3.9	17

## (2017-2018)

245	Mathematical Model and Stability Analysis of the Lateral Plate Motion in a Reversing Rolling Mill Stand. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 73-78	0.7	7
244	Patching process optimization in an agent-controlled timber mill. <i>Journal of Intelligent Manufacturing</i> , <b>2017</b> , 28, 69-84	6.7	1
243	. IEEE Transactions on Industry Applications, <b>2017</b> , 53, 2560-2568	4.3	16
242	An EKF observer to estimate semi-autogenous grinding mill hold-ups. <i>Journal of Process Control</i> , <b>2017</b> , 51, 27-41	3.9	13
241	Nonlinear Model Predictive Control of Axial Piston Pumps. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2017</b> , 139,	1.6	9
240	. IEEE Transactions on Industry Applications, <b>2017</b> , 53, 2578-2586	4.3	6
239	Modeling and static optimization of a variable speed pumped storage power plant. <i>Renewable Energy</i> , <b>2017</b> , 111, 38-51	8.1	33
238	Force-based cooperative handling and lay-up of deformable materials: Mechatronic design, modeling, and control of a demonstrator. <i>Mechatronics</i> , <b>2017</b> , 47, 246-261	3	11
237	Combined Path Following and Compliance Control for Fully Actuated Rigid Body Systems in 3-D Space. <i>IEEE Transactions on Control Systems Technology</i> , <b>2017</b> , 25, 1750-1760	4.8	9
236	Modeling and optimal steady-state operating points of an ORC waste heat recovery system for diesel engines. <i>Applied Energy</i> , <b>2017</b> , 206, 329-345	10.7	28
235	Attitude control strategy for a camera stabilization platform. <i>Mechatronics</i> , <b>2017</b> , 46, 60-69	3	11
234	Dynamical Models of the Camber and the Lateral Position in Flat Rolling. <i>Applied Mechanics Reviews</i> , <b>2017</b> , 69,	8.6	5
233	Nichtlineares Bewegungsmodell filein Stahlband in einer Oberflühenbeschichtungsanlage. <i>Automatisierungstechnik</i> , <b>2017</b> , 65, 546-560	0.8	2
232	Modellordnungsreduktion, Beobachterentwurf und Sensorplatzierung fileinen Infrarot-Gliofen. <i>Automatisierungstechnik</i> , <b>2017</b> , 65, 337-349	0.8	1
231	Elasto-plastic bending of steel strip in a hot-dip galvanizing line. <i>Acta Mechanica</i> , <b>2017</b> , 228, 2455-2470	2.1	5
230	Two-dimensional thermal modelling with specular reflections in an experimental annealing furnace. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , <b>2017</b> , 23, 23-39	1	6
229	Efficient Generation of Fast Trajectories for Gantry Cranes with Constraints. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 1937-1943	0.7	2
228	Deflection Model of A Multi-Actuator Gap Leveler. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 11295-11300	0.7	4

227	Feedforward control of lateral asymmetries in heavy-plate hot rolling using vision-based position estimation. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 11307-11312	0.7	4
226	Control of Curvature and Contact Force of a Metal Strip at the Strip-Roll Contact Point. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 11325-11330	0.7	4
225	An Efficient Algorithm for Scheduling a Flexible Job Shop with Blocking and No-Wait Constraints * *Great thanks are addressed to the industrial research partner Plansee SE supporting this work.  Moreover, financial support from the EU project Power Semiconductor and Electronics	0.7	7
224	Feedforward Control of the Temperature Field in an Experimental Annealing Furnace 1 1The financial support by the Austrian Federal Ministry of Science, Research and Economy, the National Foundation for Research, Technology and Development, and voestalpine Stahl GmbH is gratefully	0.7	2
223	Modeling and Control of the Oxygen Concentration in a Post Combustion Chamber of a Gas-Fired Furnace. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 13766-13771	0.7	
222	Model-Based Signal Processing for the Force Control of Biaxial Gantry Robots * *This work was supported by Festo AG & Co. KG. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 3208-3214	0.7	1
221	Energy-efficient Constrained Control of a Hydrostatic Power Split Drive. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 4775-4780	0.7	5
220	Path Following Control for Elastic Joint Robots * *This research was partially supported by the Austrian Research Promotion Agency (FFG), grant number: 850952. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 4806-	-4871	4
219	Nonlinear observer for temperatures and emissivities in a strip annealing furnace 2016,		3
218	Real-Time Nonlinear Model Predictive Control of a TransportReaction System. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 7730-7741	3.9	3
217	Experimental Parameterization of a Design Model for Flatness-based Torque Control of a Saturated Surface-Mounted PMSM. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 575-582	0.7	2
216	Nonlinear model predictive control of the strip temperature in an annealing furnace. <i>Journal of Process Control</i> , <b>2016</b> , 48, 1-13	3.9	14
215	Automatic gauge control under laterally asymmetric rolling conditions combined with feedforward <b>2016</b> ,		3
214	Infinite-dimensional decentralized damping control of large-scale manipulators with hydraulic actuation. <i>Automatica</i> , <b>2016</b> , 63, 101-115	5.7	28
213	Backstepping-based boundary observer for a class of time-varying linear hyperbolic PIDEs. <i>Automatica</i> , <b>2016</b> , 68, 369-377	5.7	18
212	Stability of an Euler-Bernoulli Beam With a Nonlinear Dynamic Feedback System. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 2782-2795	5.9	18
211	Modeling of the Media Supply of Gas Burners of an Industrial Furnace. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 2664-2672	4.3	3
210	Attitude Estimation Using Redundant Inertial Measurement Units for the Control of a Camera Stabilization Platform. <i>IEEE Transactions on Control Systems Technology</i> , <b>2016</b> , 24, 1837-1844	4.8	13

## (2016-2016)

209	Optimisation based path planning for car parking in narrow environments. <i>Robotics and Autonomous Systems</i> , <b>2016</b> , 79, 1-11	3.5	37	
208	Flatness-Based Torque Control of Saturated Surface-Mounted Permanent Magnet Synchronous Machines. <i>IEEE Transactions on Control Systems Technology</i> , <b>2016</b> , 24, 1201-1213	4.8	5	
207	Modeling and Force Control for the Collaborative Manipulation of Deformable Strip-Like Materials. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 95-102	0.7	10	
206	Nonlinear observability of grinding mill conditions. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 13-18	0.7		
205	Vision-Based Material Tracking in Heavy-Plate Rolling. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 108-113	0.7	3	
204	Dynamical Model of Axially Moving Steel Strips**Financial support by the Austrian Federal Ministry of Science, Research and Economy and the National Foundation for Research, Technology and Development, and voestalpine Stahl GmbH is gratefully acknowledged <i>IFAC-PapersOnLine</i> , <b>2016</b> ,	0.7	4	
203	A Mathematical Model of a Horizontal Direct-Fired Strip Annealing Furnace. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 202-207	0.7		
202	Combustion processes inside a direct-fired continuous strip annealing furnace. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 208-213	0.7	4	
201	Optimal Steady-State Temperature Field in an Experimental Annealing Furnace. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 214-219	0.7	3	
200	Surface Following Control for Fully Actuated Rigid Body Systems in Three-Dimensional Euclidean Space. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 594-599	0.7	1	
199	Model Predictive Speed Control of Axial Piston Motors**The authors from Vienna University of Technology highly appreciate the technical and financial support provided by Robert Bosch GmbH <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 772-777	0.7	2	
198	Analysis and system optimization of a very low frequency high-voltage test system. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 294-300	0.7		
197	Evaluation of Efficiently Generating Fast Robot Trajectories Under Geometric and System Constraints**The authors are grateful to STIWA Automation GmbH for financial and technical support IFAC-PapersOnLine, 2016, 49, 395-402	0.7		
196	Soft Landing and Disturbance Rejection for Pneumatic Drives with Partial Position Information. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 559-566	0.7	2	
195	Estimation and control of the tool center point of a mobile concrete pump. <i>Automation in Construction</i> , <b>2016</b> , 61, 112-123	9.6	4	
194	Mathematical modelling of a hydraulic accumulator for hydraulic hybrid drives. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , <b>2016</b> , 22, 397-411	1	9	
193	Simulation von Welleneffekten in Pumpspeicherkraftwerken mit Hilfe der Spektral-Element-Methode. <i>Automatisierungstechnik</i> , <b>2016</b> , 64, 681-695	0.8	2	
192	Constrained model predictive manifold stabilization based on transverse normal forms. <i>Automatica</i> , <b>2016</b> , 74, 315-326	5.7	7	

191	Optimization-based reduction of contour errors of heavy plates in hot rolling. <i>Journal of Process Control</i> , <b>2016</b> , 47, 150-160	3.9	11
190	A Numerical Implementation of an Extended Luenberger Observer for a Class of Semilinear Hyperbolic PIDEs. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 216-221	0.7	
189	Mathematical modeling of the contour evolution of heavy plates in hot rolling. <i>Applied Mathematical Modelling</i> , <b>2015</b> , 39, 4534-4547	4.5	16
188	Magnetic Equivalent Circuit Modeling of a Saturated Surface-Mounted Permanent Magnet Synchronous Machine. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 360-365	0.7	10
187	Mathematical Modeling and Analysis of a Hydrostatic Drive Train. IFAC-PapersOnLine, 2015, 48, 508-513	8 0.7	6
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