JÃ³zsef Bokor

List of Publications by Year
in descending order

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232 papers	3,327 citations	201674 27 h-index	197818 49 g-index
236 all docs	236 docs citations	236 times ranked	1461 citing authors

#	Article	IF	Citations
1	State and Loop Equivalence for Linear Parameter Varying Systems. Topics in Intelligent Engineering and Informatics, 2020, , 1-19.	0.4	0
2	Coordination of Independent Steering and Torque Vectoring in a Variable-Geometry Suspension System. IEEE Transactions on Control Systems Technology, 2019, 27, 2209-2220.	5.2	19
3	Three Dimensional Intruder Closest Point of Approach Estimation Based-on Monocular Image Parameters in Aircraft Sense and Avoid. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 93, 261-276.	3.4	10
4	Nullspace-Based Input Reconfiguration Architecture for Overactuated Aerial Vehicles. IEEE Transactions on Control Systems Technology, 2018, 26, 1826-1833.	5.2	9
5	Control design of an electro-hydraulic actuator for variable-geometry suspension systems. , 2017, , .		6
6	Monocular image-based intruder direction estimation at closest point of approach. , 2017, , .		6
7	Robust control design for the integration of steering and torque vectoring using a variable-geometry suspension system. , 2017, , .		2
8	Reconfigurable Control Design of Steering and Torque Vectoring Based on Reachability Set Analysis * *The research was supported by the National Research, Development and Innovation Fund through the project â€œSEPPAC: Safety and Economic Platform for Partially Automated Commercial vehiclesâ€• (VKSZ) Tj ETQq0 0 0 rgBT /Overlock 10 Hungarian Academy of Sciences.. IFAC-PapersOnLine, 2017, 50, 3702-3707.	0.9	0
9	The impact of suspension control on the controllability of the lateral vehicle dynamics. , 2016, , .		0
10	Trajectory tracking based on independently controlled variable-geometry suspension for in-wheel electric vehicles. , 2016, , .		7
11	Monocular image-based time to collision and closest point of approach estimation. , 2016, , .		9
12	Performance Analysis of Camera Rotation Estimation Algorithms in Multi-Sensor Fusion for Unmanned Aircraft Attitude Estimation. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 84, 759-777.	3.4	7
13	Identification of flexible wing aircraft models using hyperbolic metrics. , 2015, , .		0
14	Performance analysis of camera rotation estimation algorithms for UAS sense and avoid. , 2015, , .		2
15	Robust Reconfgurable Control for In-wheel Electric Vehicles. IFAC-PapersOnLine, 2015, 48, 36-41.	0.9	5
16	Supervisory Fault Tolerant Control of the GTM UAV Using LPV Methods. International Journal of Applied Mathematics and Computer Science, 2015, 25, 117-131.	1.5	14
17	Improvement of the LPV-based vehicle control design considering the polynomial invariant set analysis. , 2015, , .		2
18	Performance comparison of SISO and MIMO low level controllers in a special trajectory tracking application. , 2014, , .		0

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19	Stable ℋ<inf>∞</inf> controller design based on a novel parameterization of the controller set. , 2014, , .		1
20	Towards Real-Time Visual and IMU Data Fusion. , 2014, , .		5
21	Robust reconfigurable control for in-wheel motor vehicles. , 2014, , .		2
22	Analysis of braking dynamics using parameter-dependent polynomial Control Lyapunov Functions. , 2014, , .		1
23	Vision only sense and avoid: A probabilistic approach. , 2014, , .		5
24	Error analysis of algorithms for camera rotation calculation in GPS/IMU/camera fusion for UAV sense and avoid systems. , 2014, , .		11
25	Supervisory fault tolerant control of the NASA AirStar aircraft. , 2014, , .		12
26	Aircraft trajectory tracking with large sideslip angles for sense and avoid intruder state estimation. , 2014, , .		6
27	Fault Tolerant LPV Control of the GTM UAV with Dynamic Control Allocation. , 2014, , .		5
28	Error analysis of attitude estimation with focal-plane processors for guidance for mobile robots. , 2014, , .		0
29	Experimental verification of robustness in a semi-autonomous heavy vehicle platoon. Control Engineering Practice, 2014, 28, 13-25.	5.5	13
30	Bridging the gap between theory and practice in LPV fault detection for flight control actuators. Control Engineering Practice, 2014, 31, 171-182.	5.5	31
31	Safety Critical Platform for Mini UAS Insertion into the Common Airspace. , 2014, , .		10
32	Dynamic Sensor Allocation Framework for Fault Tolerant Flight Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3477-3482.	0.4	2
33	Lyapunov-Krasovskii functionals for evaluating H<inf>∞</inf> performance of platoons of communicating vehicles. , 2014, , .		0
34	Worst-Case Performance Analysis in $$ell _1$$ -norm for an Automated Heavy Vehicle Platoon. Lecture Notes in Electrical Engineering, 2014, , 115-130.	0.4	0
35	Closedâ€loop performance metrics for fault detection and isolation filter and controller interaction. International Journal of Robust and Nonlinear Control, 2013, 23, 419-438.	3.7	13
36	Model recovery anti-windup compensator design for magnitude and rate saturated LPV systems. , 2013, , .		1

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37	Estimation of Relative Direction Angle of Distant, Approaching Airplane in Sense-and-Avoid. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 69, 407-415.	3.4	7
38	Smart mini actuators for safety critical unmanned aerial vehicles. , 2013, , .		8
39	Elimination lemma and contractive extensions. , 2013, , .		2
40	Realizing system poles identification on the unit disc based on Laguerre representations and hyperbolic metrics. , 2013, , .		4
41	Integrated control design based on driver-in-the-loop vehicle dynamics. , 2013, , .		2
42	Quadratic separators in the input-output setting. , 2013, , .		4
43	An iterative identification of pole-stucture in dynamic systems based on hyperbolic metrics and Malmquist-Takenaka representation. , 2013, , .		2
44	Unfalsified uncertainty modeling for computing tight bounds on peak spacing errors in vehicle platoons. , 2013, , .		2
45	Controller scheduling blocks in non-conservative LPV design* *The research has been conducted as part of the project TÁMOP-4.2.2.A-11/1/KONV-2012-0012: Basic research for the development of hybrid and electric vehicles. The Project is supported by the Hungarian Government and co-financed by the European Social Fund.. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 671-676.	0.4	0
46	Mini Actuators for Safety Critical Unmanned Aerial Vehicles Avionics. Periodica Polytechnica Transportation Engineering, 2013, 41, 25.	1.2	2
47	Bimodal and Linear Switched Systems. Lecture Notes in Control and Information Sciences, 2013, , 55-85.	1.0	0
48	Identification of System Poles using Hyperbolic Metrics. , 2013, , .		0
49	Tuning and Improvements in a Waypoint and Trajectory Tracking Algorithm. , 2012, , .		6
50	Performance Characteristics of a Complete Vision Only Sense and Avoid System. , 2012, , .		19
51	Design of a supervisory integrated control for driver assistance systems. , 2012, , .		3
52	Design of an integrated control for driver assistance systems based on LPV methods. , 2012, , .		4
53	Analysis and experimental verification of faulty network modes in an autonomous vehicle string. , 2012, , .		6
54	qLPV design method for multi-objective vehicle control. , 2012, , .		0

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55	LPV design of fault-tolerant control for road vehicles. International Journal of Applied Mathematics and Computer Science, 2012, 22, 173-182.	1.5	20
56	Performance Comparison of Geometric and Hâˆž Fault Detection Filter Design: A Commercial Aircraft Example*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1161-1166.	0.4	0
57	Design of an LPV-based integrated control for driver assistance systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 511-516.	0.4	4
58	All controllers for an LPV robust control problem. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 343-348.	0.4	11
59	Design of integrated vehicle control using driver models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 517-522.	0.4	4
60	Guaranteed peaks of spacing errors in an experimental vehicle string. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 759-764.	0.4	6
61	Fault detection of electrical flight control system actuators using parameter dependent estimation*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1358-1363.	0.4	9
62	Fault-tolerant control design for trajectory tracking in driver assistance systems*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 186-191.	0.4	6
63	Azimuth estimation of distant, approaching airplane in See-and-avoid Systems. , 2012, , .		0
64	Identifying poles from time-domain data using discrete Laguerre system. , 2012, , .		4
65	Volume and power optimized high-performance system for UAV collision avoidance. , 2012, , .		6
66	Design of supervisory integrated control based on driver models in a simulation environment. , 2012, , .		1
67	Möbius transform and efficient LPV synthesis. , 2012, , .		6
68	Fault-tolerant control strategy for actuator faults using LPV techniques: Application to a two degree of freedom helicopter. International Journal of Applied Mathematics and Computer Science, 2012, 22, 161-171.	1.5	79
69	Design of a twoâ€level controller for an active suspension system. Asian Journal of Control, 2012, 14, 664-678.	3.0	11
70	Design of Integrated Vehicle Chassis Control Based on LPV Methods. , 2012, , 513-534.		2
71	Modeling and Identification in Frequency Domain with Representations on the Blaschke Group. , 2012, , .		0
72	On an LQ Control Problem Anomaly and a Possible Solution. , 2012, , .		0

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73	Linear Parameter Varying Identification of Freeway Traffic Models. IEEE Transactions on Control Systems Technology, 2011, 19, 31-45.	5.2	28
74	Infinite horizon LQ optimal output tracking from development to real flight tests. , 2011, , .		3
75	Discrete inversion based FDI for sampled LPV systems. , 2011, , .		0
76	Robust H<inf>∞</inf> filter design using frequency gridding. , 2011, , .		11
77	Design of vehicle platoon control based on predicted road inclinations. , 2011, , .		1
78	Development of an Integrated LPV/LFT Framework: Modeling and Data-Based Validation Tool. IEEE Transactions on Control Systems Technology, 2011, 19, 104-117.	5.2	14
79	Geometric LPV Fault Detection Filter Design for Commercial Aircrafts. , 2011, , .		17
80	Collision avoidance for UAV using visual detection. , 2011, , .		33
81	Visual Detection and Implementation Aspects of a UAV See and Avoid System. , 2011, , .		17
82	Vehicle yaw control via coordinated use of steering/braking systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 644-649.	0.4	8
83	On hyperbolic wavelets*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 2309-2314.	0.4	7
84	Multi-Mode Extended Kalman Filter for Aircraft Attitude Estimation*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 7244-7249.	0.4	9
85	Robust Model Matching for Geometric Fault Detection Filters: A Commercial Aircraft Example. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 7256-7261.	0.4	6
86	The emergency steering of a heavy truck by front-wheel braking. International Journal of Heavy Vehicle Systems, 2011, 18, 135.	0.2	1
87	LPV design of adaptive integrated control for road vehicles. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 662-667.	0.4	4
88	Induced L2-norm minimization of glucoseâ€“insulin system for Type I diabetic patients. Computer Methods and Programs in Biomedicine, 2011, 102, 105-118.	4.7	60
89	Attitude and handling improvements through gain-scheduled suspensions and brakes control. Control Engineering Practice, 2011, 19, 252-263.	5.5	65
90	Performance analysis of a vision only Sense and Avoid system for small UAVs. , 2011, , .		16

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91	LPV design of reconfigurable and integrated control for road vehicles. , 2011, , .		7
92	Tuning and testing of a minimax tracking controller for aircraft dynamics. , 2011, , .		1
93	Pole structure estimation from laguerre representations using hyperbolic metrics on the unit disc. , 2011, , .		9
94	Performance metrics for fault detection and isolation filters. , 2011, , .		0
95	Robust model matching for geometric fault detection filters. , 2011, , .		5
96	Brake control using a prediction method to reduce rollover risk. International Journal of Vehicle Autonomous Systems, 2010, 8, 126.	0.2	4
97	Parameter-dependent modeling of freeway traffic flow. Transportation Research Part C: Emerging Technologies, 2010, 18, 471-488.	7.6	18
98	Identification and dynamic inversion-based control of a pressurizer at the Paks NPP. Control Engineering Practice, 2010, 18, 554-565.	5.5	7
99	Unknown input reconstruction for LPV systems. International Journal of Robust and Nonlinear Control, 2010, 20, 579-595.	3.7	27
100	Inversion based FDI for sampled LPV systems. , 2010, , .		4
101	Development and hardware-in-the-loop testing of an Extended Kalman Filter for attitude estimation. , 2010, , .		6
102	LPV design of fault-tolerant control for road vehicles. , 2010, , .		11
103	Design of integrated control for road vehicles using LPV methods. , 2010, , .		1
104	A novel control-oriented multi-affine qLPV modeling framework. , 2010, , .		11
105	Discrete time minimax tracking control with disturbance estimation. , 2009, , .		3
106	LPV-based reconfigurable chassis design. , 2009, , .		1
107	Controllability and stabilizability of linear switched systems. , 2009, , .		1
108	Fault detection and isolation in nonlinear systems. Annual Reviews in Control, 2009, 33, 113-123.	7.9	93

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109	Inversion-based residual generation for robust detection and isolation of faults by means of estimation of the inverse dynamics in linear dynamical systems. International Journal of Control, 2009, 82, 1526-1538.	1.9	12
110	Application of LPV/LFT Modeling and Data-Based Validation to a Re-Entry Vehicle. , 2009, , .		12
111	Signal and system representations on hyperbolic groups: Beyond rational orthogonal bases. , 2009, , .		3
112	â€œSystem identificationâ€•and hermeneutics for long run series of synchronicities in the Pauli-Jung relationship. , 2009, , .		25
113	Number archetypes, symbolic coding letters and â€œbackground communication theoryâ€•in Saint Stephen's Royal Mirror. , 2009, , .		15
114	Controlling-Observing Interpretation of the Fine Structure Constant. , 2009, , .		1
115	Induced L2 Norm Improvement by Interpolating Controllers for Discrete-time LPV Systems. European Journal of Control, 2009, 15, 545-559.	2.6	6
116	Fault Detection and Isolation in Nonlinear Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1-11.	0.4	4
117	Uncertainty remodeling for robust control of linear time-invariant plants^1. Periodica Mathematica Hungarica, 2009, 53, 55.	0.9	0
118	Linear Switching Systems: Attainability and Controllability. Studies in Computational Intelligence, 2009, , 167-188.	0.9	0
119	Quantum Control Systems. Studies in Computational Intelligence, 2009, , 93-102.	0.9	0
120	An alternative formulation of the interpolation based constrained Hâˆž control of discrete-time LPV systems. , 2009, , .		0
121	A new semi-active suspension control strategy through LPV technique. Control Engineering Practice, 2008, 16, 1519-1534.	5.5	206
122	Model-based nonlinear optimal blood glucose control of Type I diabetes patients. , 2008, 2008, 1607-10.		12
123	Piecewise linear parameter varying mathematical model of a Hybrid Solar Vehicle. , 2008, , .		3
124	Number Archetypes in System Realization Theory Concerning the Fine Structure Constant. , 2008, , .		0
125	Constrained H_∞ control for discrete-time LPV systems using interpolation. , 2008, , .		0
126	An exact solution for the infinite horizon LQ optimal output tracking problem. , 2008, , .		3

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127	Implementation of dynamic inversion-based control of a pressurizer at the Paks NPP. , 2008, , .		2
128	Model predictive control in urban traffic network management. , 2008, , .		26
129	Design of reconfigurable and fault-tolerant suspension systems based on LPV methods. , 2008, , .		5
130	On the use of proper weighting in reference tracking optimal control with guaranteed DARE solvability. , 2008, , .		1
131	Generalized piecewise linear feedback stabilizability of controlled linear switched systems. , 2008, , .		3
132	Robust LPVâ€“_{âˆž}control for active suspensions with performance adaptation in view of global chassis control. Vehicle System Dynamics, 2008, 46, 889-912.	3.7	57
133	The design of a reconfigurable suspension control system based on an FDI filter. , 2008, , .		2
134	Two-level controller design for an active suspension system. , 2008, , .		6
135	The design of a chassis system based on multi-objective qLPV control. Periodica Polytechnica Transportation Engineering, 2008, 36, 93.	1.2	4
136	LQ Servo control design with Kalman filter for a quadrotor UAV. Periodica Polytechnica Transportation Engineering, 2008, 36, 9.	1.2	13
137	Parameter dependent freeway modelling. Periodica Polytechnica Transportation Engineering, 2008, 36, 61.	1.2	1
138	Longitudinal Motion Control of a High-Speed Supercavitation Vehicle. JVC/Journal of Vibration and Control, 2007, 13, 159-184.	2.6	88
139	A Simple Control Solution for Traction Motor Used in Hybrid Vehicles. , 2007, , .		4
140	Geometric Theory and Control of Linear Parameter Varying Systems. , 2007, , .		18
141	Hybrid Systems: A Control Theoretic Perspective. , 2007, , .		0
142	A grey-box identification of an LPV vehicle model for observer-based side slip angle estimation. Proceedings of the American Control Conference, 2007, , .	0.0	8
143	Parameter identification of a suspension system and road disturbance estimation. International Journal of Vehicle Systems Modelling and Testing, 2007, 2, 128.	0.1	9
144	Quantitative fault estimation for a class of non-linear systems. International Journal of Control, 2007, 80, 64-74.	1.9	40

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145	Control Solutions for Hybrid Solar Vehicle Fuel Consumption Minimization. Intelligent Vehicles Symposium, 2009 IEEE, 2007, , .	0.0	18
146	Inversion-based Approaches to Robust Fault Detection and Isolation with Applications in Linear Systems. , 2007, , .		0
147	Exact fault and disturbance decoupling by means of direct input reconstruction and estimation of the inverse dynamics. , 2007, , .		4
148	Uncertainty Modeling and Robust Control of LTI Systems Based on Integral Quadratic Constraints. , 2007, , .		1
149	Controllability of Quantum Bits from the von Neumann Architecture to Quantum Computing. , 2007, , .		5
150	A grey-box identification of an LPV vehicle model with side slip angle estimation. , 2007, , .		0
151	Tracking control by integrated steering and braking systems using an observer-based estimation. , 2007, , .		2
152	On controllability and stabilizability of some bimodal LTI systems. , 2007, , .		0
153	Controllability of LTI switching systems using nonnegative inputs. , 2007, , .		4
154	Brake control using an estimation of the wheel-rail friction coefficient. , 2007, , .		1
155	Robust adaptive control: The qLPV paradigm. , 2007, , .		0
156	Theoretical aspects of high-speed supercavitation vehicle control. , 2006, , .		23
157	High-Speed Supercavitation Vehicle Control. , 2006, , .		14
158	Rollover stability control in steer-by-wire vehicles based on an LPV method. International Journal of Heavy Vehicle Systems, 2006, 13, 125.	0.2	4
159	CONTROLLABILITY OF BIMODAL LPV SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 89-94.	0.4	0
160	CONTINUOUS-TIME PARAMETER IDENTIFICATION FOR LPV MODELS USING ADAPTIVE OBSERVERS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 101-106.	0.4	2
161	A fault-tolerant rollover prevention system based on an LPV method. International Journal of Vehicle Design, 2006, 42, 392.	0.3	17
162	Observer based estimation of the wheel-rail friction coefficient. , 2006, , .		3

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163	Controllability of bimodal LTI systems. , 2006, , .		4
164	An LPV/H~~ Active Suspension Control for Global Chassis Technology: Design and Performance Analysis. , 2006, , .		14
165	Integrated uncertainty model identification and robust control synthesis for linear time-invariant systems. , 2006, , .		1
166	Tracking design for Wiener systems based on dynamic inversion. , 2006, , .		3
167	Side force coefficient estimation for the design of active brake control. , 2006, , .		11
168	A joint structured complex uncertainty identification and ε-synthesis algorithm. , 2006, , .		1
169	A joint structured complex uncertainty identification and Â¿-synthesis algorithm. , 2006, , .		1
170	Observer Based Estimation of the Wheel-Rail Friction Coefficient. , 2006, , .		1
171	LINEAR PARAMETER VARYING SYSTEMS: A GEOMETRIC THEORY AND APPLICATIONS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 12-22.	0.4	73
172	ON THE DETECTION OF UNKNOWN INPUT IN POSITIONAL CONTROL PROBLEMS WITH NOISY MEASUREMENTS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 802-807.	0.4	1
173	CONSTRAINED SPLIT RATE ESTIMATION BY MOVING HORIZON. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 78-83.	0.4	6
174	Improving handling of vehicles with active suspensions. International Journal of Vehicle Autonomous Systems, 2005, 3, 134.	0.2	4
175	Reconfigurable control structure to prevent the rollover of heavy vehicles. Control Engineering Practice, 2005, 13, 699-711.	5.5	64
176	Linear Paramater-Varying Detection Filter Design for a Boeing 747-100/200 Aircraft. Journal of Guidance, Control, and Dynamics, 2005, 28, 461-470.	2.8	69
177	Integrated FDI and Control for Transport Aircraft. , 2005, , .		0
178	Tracking of continuous LPV systems using dynamic inversion. , 2004, , .		15
179	Necessary and sufficient condition for the controllability of switching linear hybrid systems. Automatica, 2004, 40, 1093-1097.	5.0	37
180	Detection filter design for LPV systemsâ€"a geometric approach. Automatica, 2004, 40, 511-518.	5.0	216

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181	The Design of a Combined Control Structure to Prevent the Rollover of Heavy Vehicles. European Journal of Control, 2004, 10, 148-162.	2.6	45
182	Improving rollover stability with active suspensions by using an LPV method. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 781-786.	0.4	1
183	Active Suspension Design using LPV Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 565-570.	0.4	18
184	System identification with generalized orthonormal basis functions: an application to flexible structures. Control Engineering Practice, 2003, 11, 245-259.	5.5	7
185	Invariant subspaces for lpv systems and their applications. IEEE Transactions on Automatic Control, 2003, 48, 2065-2069.	5.7	98
186	Design of Robust Controllers for Active Vehicle Suspension Using the Mixed ï¿½ Synthesis. Vehicle System Dynamics, 2003, 40, 193-228.	3.7	65
187	Active suspension design using linear parameter varying control. International Journal of Vehicle Autonomous Systems, 2003, 1, 206.	0.2	40
188	Estimating Road Roughness by Using A Linear Parameter Varying Model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 103-108.	0.4	7
189	The Application of Linear Parameter Narying Control to Active Suspension Design. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 437-442.	0.4	1
190	The design of the FDI filter for the yaw-roll control of heavy vehicles. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 435-440.	0.4	0
191	Fault-Tolerant Control Structure to Prevent the Rollover of Heavy Vehicles. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 441-446.	0.4	4
192	H âˆž Disturbance Rejection on Residual Output. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 489-494.	0.4	1
193	Detection of changes on signals and systems based upon representations in orthogonal rational bases. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 327-332.	0.4	1
194	Design of FDI filter for an aircraft control system. , 2002, , .		12
195	FREQUENCY DOMAIN IDENTIFICATION OF PARTIAL FRACTION MODELS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 337-342.	0.4	9
196	LPV Detection Filter Design for Boeing 747-100/200. , 2002, , .		8
197	OptimalH? scaling for sensitivity optimization of detection filters. International Journal of Robust and Nonlinear Control, 2002, 12, 749-760.	3.7	24
198	Minimal partial realization from generalized orthonormal basis function expansions. Automatica, 2002, 38, 655-669.	5.0	16

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199	Hamiltonian view on process systems. AICHE Journal, 2001, 47, 1819-1831.	3.6	61
200	Modelling and Identification with Rational Orthogonal Basis Functions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 445-455.	0.4	84
201	Fault Detection in Lightly Damped Systems Using Rational Orthonormal Functions 1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 541-546.	0.4	1
202	Extended Hoâ€“Kalman algorithm for systems represented in generalized orthonormal bases. Automatica, 2000, 36, 1809-1818.	5.0	12
203	Vision system for avoidance of lane-departure. Vehicle System Dynamics, 1999, 33, 282-292.	3.7	1
204	Identification of rational approximate models in H/sup /spl infin// using generalized orthonormal basis. IEEE Transactions on Automatic Control, 1999, 44, 153-158.	5.7	36
205	Approximate Identification in Laguerre and Kautz Bases. Automatica, 1998, 34, 463-468.	5.0	71
206	Approximate identification for robust control. Annual Reviews in Control, 1998, 22, 187-198.	7.9	7
207	Approximate H/sub âˆž/ identification using partial sum operators in a disc algebra basis. IEEE Transactions on Automatic Control, 1998, 43, 1117-1122.	5.7	6
208	ITERATIVE DESIGN OF VEHICLE COMBINATIONS FOR STABILITY ENHANCEMENT. Vehicle System Dynamics, 1998, 29, 451-461.	3.7	0
209	System Identification with Orthononnal Basis Functions: An Application to Flexible Structures. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 383-388.	0.4	0
210	Iterative LQG Controller Design in Uncertain Parameter System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 443-448.	0.4	0
211	Iterative Identification and Control Design for Uncertain Parameter Suspension System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 461-466.	0.4	3
212	Approximate Identification for Robust Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 21-32.	0.4	1
213	Inverted Pendulum: An Environment for Intelligent Control Design and Test. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 381-385.	0.4	4
214	Robust detection filter design in the presence of time-varying system perturbations. Automatica, 1997, 33, 471-475.	5.0	78
215	Lâˆž system approximation algorithms generated by Ï‘ summations. Automatica, 1997, 33, 2019-2024.	5.0	32
216	Bird's Eye View on Control Theory - Motion, Spaces, Transformations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 2997-3007.	0.4	2

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217	Adaptive Identification for Heavy-Truck Stability Control. Vehicle System Dynamics, 1996, 25, 502-518.	3.7	3
218	System identification with generalized orthonormal basis functions. Automatica, 1995, 31, 1821-1834.	5.0	271
219	Design of an active 4ws system with physical uncertainties. Control Engineering Practice, 1995, 3, 1075-1083.	5.5	15
220	Design of Active Suspension System in the Presence of Physical Parametric Uncertainties. , 1993, , .		6
221	Multivariable Identification of the MIT Interferometer Testbed. , 1992, , .		2
222	Analysis of multiple model method for change detection of ar processes. Computers and Mathematics With Applications, 1990, 19, 115-121.	2.7	4
223	Forward and backward Markovian state space models of second order process. Computers and Mathematics With Applications, 1990, 19, 21-29.	2.7	7
224	An expert system approach to the development of noise diagnostic system in NPP paks. Progress in Nuclear Energy, 1988, 21, 223-227.	2.9	4
225	Experiences of reactor noise diagnostics applying parametric spectral analysis methods. Progress in Nuclear Energy, 1988, 21, 725-733.	2.9	3
226	Signal effect analysis for noise diagnostics of a nuclear power plant. Progress in Nuclear Energy, 1988, 21, 735-742.	2.9	3
227	ARMA canonical forms obtained from constructibility invariants. International Journal of Control, 1987, 45, 861-873.	1.9	14
228	Structure and parameter estimation of MIMO systems using elementary sub-system representation. International Journal of Control, 1984, 39, 965-986.	1.9	16
229	Structural properties and structure estimation of vector difference equations. International Journal of Control, 1982, 36, 461-475.	1.9	18
230	Dynamic Modelling Of Commercial Road Vehicle Structures From Test Data. , 0, , .		6
231	Unknown Input Detection Using Receding Horizon Approach. , 0, , .		0
232	Control of High-Speed Underwater Vehicles. , 0, , 25-44.		16