

# Romeo Ortega

## 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.

454 papers	16,819 citations	64 h-index	118 g-index
477 ext. papers	20,724 ext. citations	3.6 avg, IF	6.94 L-index

#	Paper	IF	Citations
454	Conditions for Convergence of Dynamic Regressor Extension and Mixing Parameter Estimators Using LTI Filters. <i>IEEE Transactions on Automatic Control</i> , <b>2022</b> , 1-1	5.9	3
453	A new on-line exponential parameter estimator without persistent excitation. <i>Systems and Control Letters</i> , <b>2022</b> , 159, 105079	2.4	0
452	Nonlinear Stability Analysis of the Classical Nested PI Control of Voltage Sourced Inverters <b>2022</b> , 6, 1442-1447	1	
451	Parameter Identification With Finite-Convergence Time Alertness Preservation <b>2022</b> , 6, 205-210		3
450	A State Observer for Sensorless Control of Power Converters with Unknown Load Conductance. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 1-1	7.2	4
449	On-line estimation of the parameters of the windmill power coefficient. <i>Systems and Control Letters</i> , <b>2022</b> , 164, 105242	2.4	
448	Adaptive State Observer for Linear Time-Varying System with Partially Unknown State Matrix and Input Matrix Parameters. <i>Mekhatronika, Avtomatizatsiya, Upravlenie</i> , <b>2022</b> , 23, 283-288	0.3	
447	State Observation of Affine-in-the-States Time-Varying Systems with Unknown Parameters and Delayed Measurements. <i>IFAC-PapersOnLine</i> , <b>2021</b> , 54, 108-113	0.7	0
446	Parameter Estimation and Adaptive Control of Euler-Lagrange Systems Using the Power Balance Equation Parameterization. <i>IFAC-PapersOnLine</i> , <b>2021</b> , 54, 119-124	0.7	
445	. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 29, 2312-2324	4.8	0
444	Robust nonlinear observer design for permanent magnet synchronous motors. <i>IET Control Theory and Applications</i> , <b>2021</b> , 15, 604-616	2.5	2
443	A globally exponentially stable position observer for interior permanent magnet synchronous motors. <i>Automatica</i> , <b>2021</b> , 125, 109424	5.7	0
442	A flux and speed observer for induction motors with unknown rotor resistance and load torque and no persistent excitation requirement. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2021</b> , 35, 1578-1593	2.8	
441	Parameter estimation of nonlinearly parameterized regressions without overparameterization: Application to adaptive control. <i>Automatica</i> , <b>2021</b> , 127, 109544	5.7	9
440	. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 625-636	5.9	11
439	Consensus in networks of uncertain euler-lagrange agents using adaptive gravity compensation. <i>European Journal of Control</i> , <b>2021</b> , 57, 194-204	2.5	1
438	Voltage Regulation in BuckBoost Converters Feeding an Unknown Constant Power Load: An Adaptive Passivity-Based Control. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 29, 395-402	4.8	18

437	. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 2265-2272	5.9	22
436	State Observation of Power Systems Equipped with Phasor Measurement Units: The Case of Fourth Order Flux-Decay Model. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	
435	Diffusion-based Distributed Parameter Estimation Through Directed Graphs with Switching Topology: Application of Dynamic Regressor Extension and Mixing. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	1
434	Generalized parameter estimation-based observers: Application to power systems and chemical/biological reactors. <i>Automatica</i> , <b>2021</b> , 129, 109635	5.7	16
433	Lyapunov Stabilization of Port-Hamiltonian Systems <b>2021</b> , 95-113		
432	Parameterization of All Passive Outputs for Port-Hamiltonian Systems <b>2021</b> , 87-93		
431	Use of Passivity for Analysis and Tuning of PID: Two Practical Examples <b>2021</b> , 15-45		
430	Motivation and Basic Construction of PID Passivity-Based Control <b>2021</b> , 5-13		0
429	Underactuated Mechanical Systems <b>2021</b> , 115-152		
428	PID-PBC for Nonzero Regulated Output Reference <b>2021</b> , 47-86		
427	Appendix C: Port-Hamiltonian Systems <b>2021</b> , 205-208		
426	A globally stable practically implementable PI passivity-based controller for switched power converters. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2021</b> , 35, 2155	2.8	2
425	Disturbance Rejection in Port-Hamiltonian Systems <b>2021</b> , 153-195		
424	<b>2021</b> ,		5
423	State observation of LTV systems with delayed measurements: A parameter estimation-based approach with fixed convergence time. <i>Automatica</i> , <b>2021</b> , 131, 109674	5.7	2
422	A behavioural dynamic model for constant power loads in single-phase AC systems. <i>Automatica</i> , <b>2021</b> , 131, 109744	5.7	0
421	Estimation of State Variables in the Ćuk Converter Mathematical Model with Partially Unknown Parameters. <i>Mekhatronika, Avtomatizatsiya, Upravlenie</i> , <b>2021</b> , 22, 451-458	0.3	1
420	Distributed Observers for LTI Systems With Finite Convergence Time: A Parameter-Estimation-Based Approach. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 4967-4974	5.9	4

419	A new signal injection-based method for estimation of position in interior permanent magnet synchronous motors. <i>IET Power Electronics</i> , <b>2020</b> , 13, 1865-1874	2.2	1
418	On universal stabilization property of Interconnection and Damping Assignment Control. <i>Automatica</i> , <b>2020</b> , 119, 109087	5.7	3
417	On Matched Disturbance Suppression for Port-Hamiltonian Systems <b>2020</b> , 4, 892-897		3
416	Parameter Estimation of Nonlinearly Parameterized Regressions: Application to System Identification and Adaptive Control. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 1206-1212	0.7	1
415	A Globally Convergent State Observer for Multimachine Power Systems with Lossy Lines. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 5028-5033	0.7	0
414	Passivity-Based Control <b>2020</b> , 1-7		
413	PMU-based decentralised mixed algebraic and dynamic state observation in multi-machine power systems. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 6267-6275	2.5	3
412	P+leaky I passivity-based control of power converters <b>2020</b> ,		1
411	Sensorless Control of Permanent Magnet Synchronous Motors based on Finite-Time Robust Flux Observer. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 9270-9275	0.7	1
410	Correction to the Paper A Robust IDA-PBC Approach for Handling Uncertainties in Underactuated Mechanical Systems[Oct 18 3495-3502]. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 3223-3226	5.9	0
409	A Tool for Analysis of Existence of Equilibria and Voltage Stability in Power Systems With Constant Power Loads. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 4726-4740	5.9	11
408	A PI+passivity-based control of a wind energy conversion system enabled with a solid-state transformer. <i>International Journal of Control</i> , <b>2020</b> , 1-11	1.5	5
407	Orbital stabilization of nonlinear systems via the immersion and invariance technique. <i>International Journal of Robust and Nonlinear Control</i> , <b>2020</b> , 30, 1850-1871	3.6	8
406	On generation of virtual outputs via signal injection: Application to observer design for electromechanical systems. <i>European Journal of Control</i> , <b>2020</b> , 54, 129-139	2.5	2
405	Design and Implementation of Adaptive Energy Shaping Control for DCDC Converters With Constant Power Loads. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 5053-5064	11.9	18
404	Path following of a class of underactuated mechanical systems via immersion and invariance-based orbital stabilization. <i>International Journal of Robust and Nonlinear Control</i> , <b>2020</b> , 30, 8521-8544	3.6	4
403	On modified parameter estimators for identification and adaptive control. A unified framework and some new schemes. <i>Annual Reviews in Control</i> , <b>2020</b> , 50, 278-293	10.3	30
402	Robustification of nonlinear control systems vis-à-vis actuator dynamics: An immersion and invariance approach. <i>Systems and Control Letters</i> , <b>2020</b> , 146, 104811	2.4	0

401	Smooth, time-invariant regulation of nonholonomic systems via energy pumping-and-damping. <i>International Journal of Robust and Nonlinear Control</i> , <b>2020</b> , 30, 6399-6413	3.6	5
400	A Globally Convergent Adaptive Indirect Field-Oriented Torque Controller for Induction Motors. <i>Asian Journal of Control</i> , <b>2020</b> , 22, 11-24	1.7	1
399	A robust adaptive flux observer for a class of electromechanical systems. <i>International Journal of Control</i> , <b>2020</b> , 93, 1619-1629	1.5	5
398	Finite-time identification of the Thévenin equivalent parameters in power grids. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2020</b> , 116, 105534	5.1	5
397	Orbital stabilization of nonlinear systems via Mexican sombrero energy shaping and pumping-and-damping injection. <i>Automatica</i> , <b>2020</b> , 112, 108661	5.7	16
396	Matched Disturbance Rejection for a Class of Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 1710-1715	5.9	6
395	Active Damping of a DC Network with a Constant Power Load: An Adaptive Observer-based Design <b>2019</b> ,		3
394	Global synchronization analysis of droop-controlled microgrids: A multivariable cell structure approach. <i>Automatica</i> , <b>2019</b> , 109, 108550	5.7	10
393	Adaptive state observers using dynamic regressor extension and mixing. <i>Systems and Control Letters</i> , <b>2019</b> , 133, 104519	2.4	11
392	Adaptive control of linear multivariable systems using dynamic regressor extension and mixing estimators: Removing the high-frequency gain assumptions. <i>Automatica</i> , <b>2019</b> , 110, 108589	5.7	18
391	Conditions on shifted passivity of port-Hamiltonian systems. <i>Systems and Control Letters</i> , <b>2019</b> , 123, 55-61	6.1	16
390	Parameter identification of linear time-invariant systems using dynamic regressor extension and mixing. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2019</b> , 33, 1016-1030	2.8	16
389	Online Estimation of Power System Inertia Using Dynamic Regressor Extension and Mixing. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 4993-5001	7	34
388	Robustness of linear time-varying systems with relaxed excitation. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2019</b> , 33, 1885-1900	2.8	7
387	On State Observers for Nonlinear Systems: A New Design and a Unifying Framework. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 1193-1200	5.9	14
386	A globally convergent direct adaptive pole-placement controller for nonminimum phase systems with relaxed excitation assumptions. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2019</b> , 33, 1491-1505	2.8	3
385	State observers for reaction systems with improved convergence rates. <i>Journal of Process Control</i> , <b>2019</b> , 83, 53-62	3.9	10
384	Power-controlled Hamiltonian systems: Application to electrical systems with constant power loads. <i>Automatica</i> , <b>2019</b> , 109, 108527	5.7	6

383	On contraction of time-varying port-Hamiltonian systems. <i>Systems and Control Letters</i> , <b>2019</b> , 133, 104545.	4.4	1
382	Robustness of Delayed Multistable Systems. <i>Advances in Delays and Dynamics</i> , <b>2019</b> , 83-97	0.3	
381	Two Constructive Solutions to Orbital Stabilization of Nonlinear Systems via Passivity-based Control <b>2019</b> ,		1
380	DREM-based Adaptive Observer for Induction Motors * <b>2019</b> ,		2
379	Sensorless Control of the Levitated Ball. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 274-279	0.7	1
378	An Adaptive Flux and Position Observer for Interior Permanent Magnet Synchronous Motors. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 43-48	0.7	3
377	Regulation of nonholonomic systems: A smooth, time-invariant approach. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 150-155	0.7	
376	A Frequency Domain Interpretation of Signal Injection Methods for Salient PMSMs <b>2019</b> ,		2
375	New solutions to the 2D adaptive visual servoing problem with relaxed excitation requirements. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2019</b> , 33, 1843-1856	2.8	4
374	PI Passivity-Based Control and Performance Analysis of MMC Multiterminal HVDC Systems. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2019</b> , 7, 2453-2466	5.6	20
373	Sensorless Control of IPMSM Based on Regression Model. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 9191-9201	7.2	18
372	Adaptive state observers for sensorless control of switched reluctance motors. <i>International Journal of Robust and Nonlinear Control</i> , <b>2019</b> , 29, 990-1006	3.6	5
371	A globally exponentially stable speed observer for a class of mechanical systems: experimental and simulation comparison with high-gain and sliding mode designs. <i>International Journal of Control</i> , <b>2019</b> , 92, 1620-1633	1.5	10
370	An Adaptive Passivity-Based Controller of a Buck-Boost Converter with a Constant Power Load. <i>Asian Journal of Control</i> , <b>2019</b> , 21, 581-595	1.7	19
369	. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 3935-3939	5.9	8
368	Energy shaping control for buckBoost converters with unknown constant power load. <i>Control Engineering Practice</i> , <b>2018</b> , 74, 33-43	3.9	19
367	Achieving Consensus of Euler-Lagrange Agents With Interconnecting Delays and Without Velocity Measurements via Passivity-Based Control. <i>IEEE Transactions on Control Systems Technology</i> , <b>2018</b> , 26, 222-232	4.8	41
366	. <i>IEEE Transactions on Control of Network Systems</i> , <b>2018</b> , 5, 1110-1119	4	7

365	PID Passivity-Based Control of Port-Hamiltonian Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 1032-1044	5.9	58
364	Global stabilisation of underactuated mechanical systems via PID passivity-based control. <i>Automatica</i> , <b>2018</b> , 96, 178-185	5.7	26
363	DC-DC Buck-Boost Converters with Unknown CPL: An Adaptive PBC <b>2018</b> ,		2
362	Relaxing the conditions for parameter estimation-based observers of nonlinear systems via signal injection. <i>Systems and Control Letters</i> , <b>2018</b> , 111, 18-26	2.4	12
361	On the need of projections in input-error model reference adaptive control. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2018</b> , 32, 403-411	2.8	1
360	An Adaptive Observer for Sensorless Control of the Levitated Ball Using Signal Injection <b>2018</b> ,		3
359	Robust Stability Under Relaxed Persistent Excitation Conditions <b>2018</b> ,		7
358	Almost Global Synchronization in Radial Multi-Machine Power Systems <b>2018</b> ,		2
357	Parameter Identification of Linear Discrete-Time Systems with Guaranteed Transient Performance. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 1038-1043	0.7	2
356	New results on PID passivity-based controllers for port-Hamiltonian systems. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 175-180	0.7	2
355	Robust integral action of port-Hamiltonian systems. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 181-186	0.7	4
354	Adaptive Control of Multivariable Systems with Reduced Knowledge of High Frequency Gain: Application of Dynamic Regressor Extension and Mixing Estimators. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 886-890	0.7	10
353	Dynamic Zero Finding for Algebraic Equations <b>2018</b> ,		4
352	Enhanced Parameter Convergence for Linear Systems Identification: The DREM Approach* <b>2018</b> ,		6
351	Permanent magnet synchronous motors are globally asymptotically stabilizable with PI current control. <i>Automatica</i> , <b>2018</b> , 98, 296-301	5.7	19
350	A state observer for sensorless control of magnetic levitation systems. <i>Automatica</i> , <b>2018</b> , 97, 263-270	5.7	19
349	Sensorless control of PM synchronous motors with a robust nonlinear observer <b>2018</b> ,		2
348	Relaxing the high-frequency gain sign assumption in direct model reference adaptive control. <i>European Journal of Control</i> , <b>2018</b> , 43, 12-19	2.5	21



347	On dynamic regressor extension and mixing parameter estimators: Two Luenberger observers interpretations. <i>Automatica</i> , <b>2018</b> , 95, 548-551	5.7	26
346	. <i>IEEE Transactions on Power Electronics</i> , <b>2017</b> , 32, 3989-3997	7.2	48
345	A new family of interconnection and damping assignment passivity-based controllers. <i>International Journal of Robust and Nonlinear Control</i> , <b>2017</b> , 27, 50-65	3.6	14
344	Conditions for Almost Global Attractivity of a Synchronous Generator Connected to an Infinite Bus. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 4905-4916	5.9	15
343	Identification of photovoltaic arrays' maximum power extraction point via dynamic regressor extension and mixing. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2017</b> , 31, 1337-1349	3.8	16
342	On Existence of Equilibria of Multi-Port Linear AC Networks With Constant-Power Loads. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2017</b> , 64, 2772-2782	3.9	13
341	A relaxed characterization of ISS for periodic systems with multiple invariant sets. <i>European Journal of Control</i> , <b>2017</b> , 37, 1-7	2.5	6
340	Passivity-Based Control of Mechanical Systems. <i>Lecture Notes in Control and Information Sciences</i> , <b>2017</b> , 167-199	0.5	6
339	Modeling, Analysis, and Experimental Validation of Clock Drift Effects in Low-Inertia Power Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 5942-5951	8.9	22
338	Relaxing the conditions of ISS for multistable periodic systems. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 7217-7222	0.7	0
337	A New Approach for Flux and Rotor Resistance Estimation of Induction Motors * *This article is supported by the Russian Federation President Grant 14.Y31.16.9281-HLLI, the Government of the Russian Federation (GOSZADANIE 2.8878.2017, grant 074-U01) and the Ministry of Education and Science of the Russian Federation (project 14.Y50.31.0031). <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 1885-1890	0.7	5
336	An input-to-state stability approach to verify almost global stability of a synchronous-machine-infinite-bus system. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2017</b> , 375,	3	7
335	On global asymptotic stability of $\dot{x} = -\lambda(t)x$ with $\lambda$ not persistently exciting. <i>Systems and Control Letters</i> , <b>2017</b> , 109, 24-29	2.4	29
334	PI passivity-based control of modular multilevel converters for multi-terminal HVDC systems <b>2017</b> ,		5
333	Performance Enhancement of Parameter Estimators via Dynamic Regressor Extension and Mixing*. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 3546-3550	5.9	124
332	Robust IDA-PBC for underactuated mechanical systems subject to matched disturbances. <i>International Journal of Robust and Nonlinear Control</i> , <b>2017</b> , 27, 1000-1016	3.6	36
331	A robust nonlinear position observer for synchronous motors with relaxed excitation conditions. <i>International Journal of Control</i> , <b>2017</b> , 90, 813-824	1.5	17
330	Immersion and Invariance Stabilization of Nonlinear Systems Via Virtual and Horizontal Contraction. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 4017-4022	5.9	21



329	Global Stabilisation of Underactuated Mechanical Systems via PID Passivity-Based Control. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 9577-9582	0.7	13
328	A Passivity-based Controller without Velocity Measurements for the Leaderless Consensus of Euler-Lagrange Systems. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 15452-15457	0.7	1
327	On global asymptotic stability of SPR adaptive systems without persistent excitation <b>2017</b> ,		3
326	Matched disturbance rejection for energy-shaping controlled underactuated mechanical systems <b>2017</b> ,		5
325	Shaping the Energy of Mechanical Systems Without Solving Partial Differential Equations. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 1051-1056	5.9	48
324	Energy shaping control of an inverted flexible pendulum fixed to a cart. <i>Control Engineering Practice</i> , <b>2016</b> , 56, 27-36	3.9	15
323	Identification of the Current-Voltage Characteristic of Photovoltaic Arrays. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 223-228	0.7	1
322	A constructive procedure for energy shaping of port-Hamiltonian systems. <i>Automatica</i> , <b>2016</b> , 72, 230-234	5.7	17
321	Simultaneous interconnection and damping assignment passivity-based control of mechanical systems using dissipative forces. <i>Systems and Control Letters</i> , <b>2016</b> , 94, 118-126	2.4	19
320	PI Passivity-Based Control for Maximum Power Extraction of a Wind Energy System with Guaranteed Stability Properties. <i>International Journal of Emerging Electric Power Systems</i> , <b>2016</b> , 17, 567-573	1.4	6
319	A robust PI passivity-based control of nonlinear systems and its application to temperature regulation. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 2216-2231	3.6	6
318	An adaptive flux observer for the permanent magnet synchronous motor. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2016</b> , 30, 473-487	2.8	13
317	Energy Shaping of Mechanical Systems via PID Control and Extension to Constant Speed Tracking. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 3551-3556	5.9	26
316	Robustness of delayed multistable systems with application to droop-controlled inverter-based microgrids. <i>International Journal of Control</i> , <b>2016</b> , 89, 909-918	1.5	22
315	Extended hybrid model reference adaptive control of piecewise affine systems. <i>Nonlinear Analysis: Hybrid Systems</i> , <b>2016</b> , 21, 11-21	4.5	34
314	Adaptation Is Unnecessary in L1-Adaptive Control: What Makes an Adaptive Controller "Adaptive"? <i>IEEE Control Systems</i> , <b>2016</b> , 36, 47-52	2.9	8
313	On Existence and Stability of Equilibria of Linear Time-Invariant Systems With Constant Power Loads. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2016</b> , 63, 114-121	3.9	68
312	A new approach for estimation of electrical parameters and flux observation of permanent magnet synchronous motors. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2016</b> , 30, 1434-1448	2.8	11

311	Passivity-based and standard PI controls application to wind energy conversion system <b>2016</b> ,		7
310	Robust IDA-PBC for underactuated mechanical systems subject to matched disturbances <b>2016</b> ,		2
309	Almost global attractivity of a synchronous generator connected to an infinite bus <b>2016</b> ,		7
308	Improved Transients in Multiple Frequencies Estimation via Dynamic Regressor Extension and Mixing. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 99-104	0.7	20
307	Parameters estimation via dynamic regressor extension and mixing <b>2016</b> ,		14
306	A survey on modeling of microgridsFrom fundamental physics to phasors and voltage sources. <i>Automatica</i> , <b>2016</b> , 74, 135-150	5.7	139
305	Stability of a class of delayed port-Hamiltonian systems with application to microgrids with distributed rotational and electronic generation. <i>Automatica</i> , <b>2016</b> , 74, 71-79	5.7	33
304	Comments on Bcomparison of architectures and robustness of model reference adaptive controllers and L1-adaptive controllers□ <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2016</b> , 30, 125-127	2.8	
303	Global tracking passivity-based PI control of bilinear systems: Application to the interleaved boost and modular multilevel converters. <i>Control Engineering Practice</i> , <b>2015</b> , 43, 109-119	3.9	49
302	Smooth stabilisation of nonholonomic robots subject to disturbances <b>2015</b> ,		6
301	Two globally convergent adaptive speed observers for mechanical systems. <i>Automatica</i> , <b>2015</b> , 60, 7-11	5.7	16
300	When is a parameterized controller suitable for adaptive control?. <i>European Journal of Control</i> , <b>2015</b> , 22, 13-16	2.5	2
299	Further deleterious effects of the dissipation obstacle in control-by-interconnection of port-Hamiltonian systems. <i>Automatica</i> , <b>2015</b> , 61, 227-231	5.7	10
298	A robust globally convergent position observer for the permanent magnet synchronous motor. <i>Automatica</i> , <b>2015</b> , 61, 47-54	5.7	53
297	A parameter estimation approach to state observation of nonlinear systems. <i>Systems and Control Letters</i> , <b>2015</b> , 85, 84-94	2.4	41
296	Transient stabilization of multimachine power systems: Towards a global decentralized solution. <i>European Journal of Control</i> , <b>2015</b> , 26, 44-52	2.5	5
295	Modeling and control of HVDC transmission systems from theory to practice and back. <i>Control Engineering Practice</i> , <b>2015</b> , 45, 133-146	3.9	28
294	Modular multilevel converter passivity-based PI control suited for balanced and unbalanced grid conditions <b>2015</b> ,		4

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