

Enrique Baeyens

List of Publications by Year in descending order

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48
papers

1,171
citations

567247

15
h-index

434170

31
g-index

50
all docs

50
docs citations

50
times ranked

1017
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of block-oriented nonlinear systems using orthonormal bases. Journal of Process Control, 2004, 14, 685-697.	3.3	153
2	Sharing Storage in a Smart Grid: A Coalitional Game Approach. IEEE Transactions on Smart Grid, 2019, 10, 4379-4390.	9.0	130
3	Wiener model identification and predictive control of a pH neutralisation process. IET Control Theory and Applications, 2004, 151, 329-338.	1.7	119
4	Coalitional Aggregation of Wind Power. IEEE Transactions on Power Systems, 2013, 28, 3774-3784.	6.5	103
5	Mixed H2/H ∞ filtering. International Journal of Robust and Nonlinear Control, 1996, 6, 313-330.	3.7	90
6	Design of PID-type controllers using multiobjective genetic algorithms. ISA Transactions, 2002, 41, 457-472.	5.7	87
7	Subspace-based Identification Algorithms for Hammerstein and Wiener Models. European Journal of Control, 2005, 11, 127-136.	2.6	59
8	Smart grids cyber-physical security as a malicious data attack: An innovation approach. Electric Power Systems Research, 2017, 149, 210-219.	3.6	58
9	Analysis of Solar Energy Aggregation Under Various Billing Mechanisms. IEEE Transactions on Smart Grid, 2019, 10, 4175-4187.	9.0	49
10	Cost Causation Based Allocations of Costs for Market Integration of Renewable Energy. IEEE Transactions on Power Systems, 2018, 33, 70-83.	6.5	40
11	Wind energy aggregation: A coalitional game approach. , 2011, , .		36
12	MRCO: a genetic algorithm for multiobjective robust control design. Engineering Applications of Artificial Intelligence, 2002, 15, 285-301.	8.1	35
13	A Minimal Incentive-Based Demand Response Program With Self Reported Baseline Mechanism. IEEE Transactions on Smart Grid, 2020, 11, 2195-2207.	9.0	30
14	SUBSPACE IDENTIFICATION OF MULTIVARIABLE HAMMERSTEIN AND WIENER MODELS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 55-60.	0.4	19
15	A Direct Search Algorithm for Global Optimization. Algorithms, 2016, 9, 40.	2.1	18
16	A cooperative game for the realized profit of an aggregation of renewable energy producers. , 2016, , .		16
17	E2Rebot: A robotic platform for upper limb rehabilitation in patients with neuromotor disability. Advances in Mechanical Engineering, 2016, 8, 168781401665905.	1.6	15
18	Distributed control of flexible demand using proportional allocation mechanism in a smart grid: Game theoretic interaction and price of anarchy. Sustainable Energy, Grids and Networks, 2017, 12, 30-39.	3.9	15

#	ARTICLE	IF	CITATIONS
19	Identification of multivariable Hammerstein systems using rational orthonormal bases. , 0, , .		14
20	Analysis of changes in the beat-to-beat P-wave morphology using clustering techniques. Biomedical Signal Processing and Control, 2009, 4, 309-316.	5.7	8
21	Optimal sharing of quantity risk for a coalition of wind power producers facing nodal prices. , 2012, , .		8
22	Comparative analysis of collision-free path-planning methods for multi-manipulator systems. Robotica, 2006, 24, 711-726.	1.9	7
23	Design of devices for protecting civil structures using fixed-order \hat{a} , \hat{z} control. Structural Control and Health Monitoring, 2007, 14, 239-260.	4.0	7
24	Unsupervised Classification of Surface Defects in Wire Rod Production Obtained by Eddy Current Sensors. Sensors, 2015, 15, 10100-10117.	3.8	7
25	Control Performance Assessment: A General Survey. Advances in Intelligent and Soft Computing, 2010, , 621-628.	0.2	7
26	Design of PID Controllers Using Multiobjective Genetic Algorithms. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 277-282.	0.4	6
27	Linear minimax estimation for random vectors with parametric uncertainty. , 2010, , .		6
28	Dynamic workflow prioritization based on block finite position machines. , 2007, , .		3
29	A Combined SVM/OB-based Wiener Model Identification Method. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 638-643.	0.4	3
30	Flexibility Management with Virtual Batteries of Thermostatically Controlled Loads: Real-Time Control System and Potential in Spain. Energies, 2021, 14, 1711.	3.1	3
31	Modelling, supervision and diagnosis of a manufacturing cell. , 0, , .		2
32	ON-LINE JOB-SHOP SCHEDULING OF A MANUFACTURING SYSTEM BASED ON A VIRTUAL SUPERVISOR CONCEPT. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 183-188.	0.4	2
33	An Algorithm for Phase-Space Detection of the P Characteristic Points. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2004-7.	0.5	2
34	Analytical method for generating feasible control sequences in controller development. , 2007, , .		2
35	Assessment of Ziegler-Nichols tuned loops using control performance monitoring indices. , 2011, , .		2
36	A Strategy to Maintain Short-Term Stability and Long-Term Profitability of Renewable Energy Aggregation. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
37	Analysis of Production Systems Using the VS-Diagram. Advances in Soft Computing, 2009, , 443-451.	0.4	2
38	PARAMETER IDENTIFICATION OF A CAR SUSPENSION SYSTEM USING NON-INTRUSIVE SIGNALS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 427-432.	0.4	1
39	Subspace-Based Blind Identification of IIR Systems. IEEE International Workshop on Machine Learning for Signal Processing, 2006, , .	0.0	1
40	The real value of load flexibility — congestion free dispatch. , 2015, , .		1
41	Incentive Design in a Distributed Problem with Strategic Agents. , 2018, , .		1
42	DESIGN OF CONTROLLERS FOR PARAMETRIC UNCERTAIN SYSTEMS. A TWO-STEP APPROACH USING GENETIC ALGORITHMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 7-12.	0.4	0
43	Trajectory Planning Applied to the Estimation of Cardiac Activation Circuits. Lecture Notes in Computer Science, 2005, , 75-84.	1.3	0
44	On-line Scheduling Method of Manufacturing System Based on Virtual supervisory Algorithm for Reference Pattern. , 2006, , .		0
45	Analysis of changes in the beat-to-beat P-wave morphology using clustering techniques. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 5215-5220.	0.4	0
46	VS-Diagrams Identification and Classification Using Neural Networks. Lecture Notes in Computer Science, 2009, , 240-243.	1.3	0
47	Performance monitoring of PID controllers through unfalsified control theory. , 2012, , .		0
48	Sequence Analysis Of Finite Position Machine FPM. , 2007, , 569-576.		0