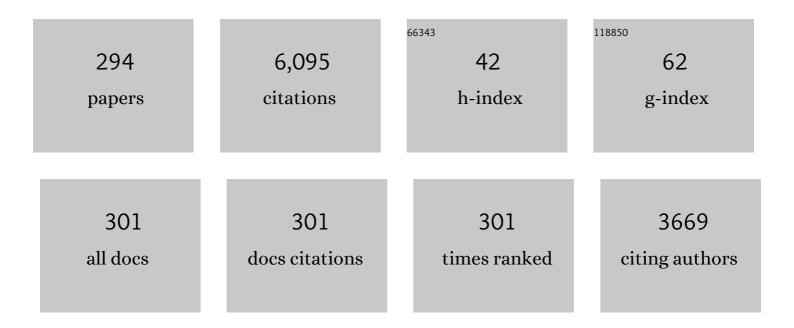
Manuel Berenguel

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A survey on control schemes for distributed solar collector fields. Part I: Modeling and basic control approaches. Solar Energy, 2007, 81, 1240-1251. | 6.1 | 201 |
| 2 | A survey on control schemes for distributed solar collector fields. Part II: Advanced control approaches. Solar Energy, 2007, 81, 1252-1272. | 6.1 | 166 |
| 3 | A comparison of thermal comfort predictive control strategies. Energy and Buildings, 2011, 43, 2737-2746. | 6.7 | 120 |
| 4 | Advanced Control of Solar Plants. Advances in Industrial Control, 1997, , . | 0.5 | 119 |
| 5 | Simulation of Greenhouse Climate Monitoring and Control with Wireless Sensor Network and Event-Based Control. Sensors, 2009, 9, 232-252. | 3.8 | 119 |
| 6 | An artificial vision-based control system for automatic heliostat positioning offset correction in a central receiver solar power plant. Solar Energy, 2004, 76, 563-575. | 6.1 | 101 |
| 7 | Optimizing building comfort temperature regulation via model predictive control. Energy and Buildings, 2013, 57, 361-372. | 6.7 | 101 |
| 8 | Model predictive control of pH in tubular photobioreactors. Journal of Process Control, 2004, 14, 377-387. | 3.3 | 100 |
| 9 | Control of Solar Energy Systems. Advances in Industrial Control, 2012, , . | 0.5 | 91 |
| 10 | Control concepts for direct steam generation in parabolic troughs. Solar Energy, 2005, 78, 301-311. | 6.1 | 88 |
| 11 | Multiobjective hierarchical control architecture for greenhouse crop growth. Automatica, 2012, 48, 490-498. | 5.0 | 87 |
| 12 | A Comparison of Energy Consumption Prediction Models Based on Neural Networks of a Bioclimatic Building. Energies, 2016, 9, 57. | 3.1 | 83 |
| 13 | Nonlinear MPC based on a Volterra series model for greenhouse temperature control using natural ventilation. Control Engineering Practice, 2011, 19, 354-366. | 5.5 | 81 |
| 14 | Fuzzy logic control of a solar power plant. IEEE Transactions on Fuzzy Systems, 1995, 3, 459-468. | 9.8 | 79 |
| 15 | Application of a gain scheduling generalized predictive controller to a solar power plant. Control Engineering Practice, 1994, 2, 227-238. | 5.5 | 77 |
| 16 | Thermo-economic design optimization of parabolic trough solar plants for industrial process heat applications with memetic algorithms. Applied Energy, 2014, 113, 603-614. | 10.1 | 69 |
| 17 | Feedback linearization control for a distributed solar collector field. Control Engineering Practice, 2007, 15, 1533-1544. | 5.5 | 66 |
| 18 | Dynamic model of microalgal production in tubular photobioreactors. Bioresource Technology, 2012, 126, 172-181. | 9.6 | 66 |

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 19 | ROBUST ADAPTIVE MODEL PREDICTIVE CONTROL OF A SOLAR PLANT WITH BOUNDED UNCERTAINTIES. , 1997, 11, 311-325. | | 65 |
| 20 | Interactive learning modules for PID control [Lecture Notes]. IEEE Control Systems, 2008, 28, 118-134. | 0.8 | 65 |
| 21 | Control of Solar Energy Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 848-855. | 0.4 | 65 |
| 22 | Heuristic knowledge-based heliostat field control for the optimization of the temperature distribution in a volumetric receiver. Solar Energy, 1999, 66, 355-369. | 6.1 | 64 |
| 23 | Effective utilization of flue gases in raceway reactor with event-based pH control for microalgae culture. Bioresource Technology, 2014, 170, 1-9. | 9.6 | 64 |
| 24 | Direct steam generation in solar boilers. IEEE Control Systems, 2004, 24, 15-29. | 0.8 | 59 |
| 25 | Solar field control for desalination plants. Solar Energy, 2008, 82, 772-786. | 6.1 | 59 |
| 26 | Control scheme for direct steam generation in parabolic troughs under recirculation operation mode. Solar Energy, 2006, 80, 1-17. | 6.1 | 57 |
| 27 | Repetitive control of tubular heat exchangers. Journal of Process Control, 2007, 17, 689-701. | 3.3 | 57 |
| 28 | Robust constrained predictive feedback linearization controller in a solar desalination plant collector field. Control Engineering Practice, 2009, 17, 1076-1088. | 5.5 | 56 |
| 29 | Fuzzy predictive control of a solar power plant. IEEE Transactions on Fuzzy Systems, 2005, 13, 58-68. | 9.8 | 55 |
| 30 | Prediction models to analyse the performance of a commercial-scale membrane distillation unit for desalting brines from RO plants. Desalination, 2018, 445, 15-28. | 8.2 | 55 |
| 31 | Adaptive hierarchical control of greenhouse crop production. International Journal of Adaptive Control and Signal Processing, 2008, 22, 180-197. | 4.1 | 53 |
| 32 | A machine vision system for seeds quality evaluation using fuzzy logic. Computers and Electronics in Agriculture, 2001, 32, 1-20. | 7.7 | 52 |
| 33 | Review of software for optical analyzing and optimizing heliostat fields. Renewable and Sustainable Energy Reviews, 2017, 72, 1001-1018. | 16.4 | 51 |
| 34 | Temperature control of a solar furnace. IEEE Control Systems, 1999, 19, 8-24. | 0.8 | 50 |
| 35 | Interactive teaching of constrained generalized predictive control. IEEE Control Systems, 2005, 25, 52-66. | 0.8 | 49 |
| 36 | Reference governor optimization and control of a distributed solar collector field. European Journal of Operational Research, 2009, 193, 709-717. | 5.7 | 49 |

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 37 | New approach for solar tracking systems based on computer vision, low cost hardware and deep learning. Renewable Energy, 2019, 133, 1158-1166. | 8.9 | 48 |
| 38 | Interactivity in education: An experience in the automatic control field. Computer Applications in Engineering Education, 2013, 21, 360-371. | 3.4 | 47 |
| 39 | Dynamic model of an industrial raceway reactor for microalgae production. Algal Research, 2016, 17, 67-78. | 4.6 | 47 |
| 40 | Improving feedforward disturbance compensation capabilities in Generalized Predictive Control. Journal of Process Control, 2012, 22, 527-539. | 3.3 | 46 |
| 41 | Neural identification applied to predictive control of a solar plant. Control Engineering Practice, 1998, 6, 333-344. | 5.5 | 45 |
| 42 | Optimal operation of a Solar Membrane Distillation pilot plant via Nonlinear Model Predictive Control. Computers and Chemical Engineering, 2018, 109, 151-165. | 3.8 | 45 |
| 43 | Event-based predictive control of pH in tubular photobioreactors. Computers and Chemical Engineering, 2014, 65, 28-39. | 3.8 | 44 |
| 44 | Minimization of carbon losses in pilot-scale outdoor photobioreactors by model-based predictive control. Biotechnology and Bioengineering, 2003, 84, 533-543. | 3.3 | 43 |
| 45 | A practical NMPC with robustness of stability applied to distributed solar power plants. Solar Energy, 2013, 92, 106-122. | 6.1 | 43 |
| 46 | Adaptive generalized predictive control of a distributed collector field. IEEE Transactions on Control Systems Technology, 1994, 2, 462-467. | 5.2 | 42 |
| 47 | Control of thermal solar energy plants. Journal of Process Control, 2014, 24, 332-340. | 3.3 | 42 |
| 48 | Selective pH and dissolved oxygen control strategy for a raceway reactor within an event-based approach. Control Engineering Practice, 2015, 44, 209-218. | 5.5 | 42 |
| 49 | Modeling and Control of Greenhouse Crop Growth. Advances in Industrial Control, 2015, , . | 0.5 | 41 |
| 50 | Interactive tool for analysis of time-delay systems with dead-time compensators. Control Engineering Practice, 2008, 16, 824-835. | 5.5 | 39 |
| 51 | Generalized Predictive Control With Actuator Deadband for Event-Based Approaches. IEEE Transactions on Industrial Informatics, 2014, 10, 523-537. | 11.3 | 39 |
| 52 | An Interactivity-Based Methodology to Support Control Education: How to Teach and Learn Using Simple Interactive Tools [Lecture Notes]. IEEE Control Systems, 2016, 36, 63-76. | 0.8 | 39 |
| 53 | Web-based remote control laboratory using a greenhouse scale model. Computer Applications in Engineering Education, 2005, 13, 111-124. | 3.4 | 38 |
| 54 | Local model predictive controller in a solar desalination plant collector field. Renewable Energy, 2011, 36, 3001-3012. | 8.9 | 37 |

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Application of Predictive Sliding Mode Controllers to a Solar Plant. IEEE Transactions on Control Systems Technology, 2008, 16, 819-825. | 5.2 | 36 |
| 56 | A switching control strategy applied to a solar collector field. Control Engineering Practice, 2011, 19, 135-145. | 5.5 | 36 |
| 57 | An interactive software tool for system identification. Advances in Engineering Software, 2012, 45, 115-123. | 3.8 | 36 |
| 58 | Uncertainty and global sensitivity analysis in the design of parabolic-trough direct steam generation plants for process heat applications. Applied Energy, 2014, 121, 233-244. | 10.1 | 36 |
| 59 | Bayesian networks for greenhouse temperature control. Journal of Applied Logic, 2016, 17, 25-35. | 1.1 | 35 |
| 60 | Leaf area index estimation for a greenhouse transpiration model using external climate conditions based on genetics algorithms, back-propagation neural networks and nonlinear autoregressive exogenous models. Agricultural Water Management, 2017, 183, 107-115. | 5.6 | 35 |
| 61 | First Principles Model of a Tubular Photobioreactor for Microalgal Production. Industrial & Engineering Chemistry Research, 2014, 53, 11121-11136. | 3.7 | 34 |
| 62 | A feedback control system with reference governor for a solar membrane distillation pilot facility. Renewable Energy, 2018, 120, 536-549. | 8.9 | 34 |
| 63 | A Robust Adaptive Dead-Time Compensator with Application to A Solar Collector Field 1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 93-98. | 0.4 | 33 |
| 64 | An unified approach for DTC design using interactive tools. Control Engineering Practice, 2009, 17, 1234-1244. | 5.5 | 33 |
| 65 | Optimization of biomass production in outdoor tubular photobioreactors. Journal of Process Control, 2016, 37, 58-69. | 3.3 | 32 |
| 66 | Modelling the free response of a solar plant for predictive control. Control Engineering Practice, 1998, 6, 1257-1266. | 5.5 | 31 |
| 67 | New low-cost solar tracking system based on open source hardware for educational purposes. Solar Energy, 2018, 174, 826-836. | 6.1 | 31 |
| 68 | Gain-scheduling model predictive control of a Fresnel collector field. Control Engineering Practice, 2019, 82, 1-13. | 5.5 | 30 |
| 69 | On the filtered Smith predictor with feedforward compensation. Journal of Process Control, 2016, 41, 35-46. | 3.3 | 29 |
| 70 | An interactive tool for mobile robot motion planning. Robotics and Autonomous Systems, 2008, 56, 396-409. | 5.1 | 28 |
| 71 | Serial grey-box model of a stratified thermal tank for hierarchical control of a solar plant. Solar Energy, 2008, 82, 441-451. | 6.1 | 28 |
| 72 | Generalized feedforward tuning rules for non-realizable delay inversion. Journal of Process Control, 2013, 23, 1241-1250. | 3.3 | 28 |

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 73 | FEEDBACK LINEARIZATION CONTROL FOR A DISTRIBUTED SOLAR COLLECTOR FIELD. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 356-361. | 0.4 | 27 |
| 74 | Application of SSOD-PI and PI-SSOD event-based controllers to greenhouse climatic control. ISA Transactions, 2016, 65, 525-536. | 5.7 | 27 |
| 75 | Hybrid modeling of a solar-thermal heating facility. Solar Energy, 2013, 97, 577-590. | 6.1 | 26 |
| 76 | Distributed Sliding Mode Control of pH in Tubular Photobioreactors. IEEE Transactions on Control Systems Technology, 2016, 24, 1160-1173. | 5.2 | 26 |
| 77 | Predictive Control Applied to a Solar Desalination Plant Connected to a Greenhouse with Daily Variation of Irrigation Water Demand. Energies, 2016, 9, 194. | 3.1 | 24 |
| 78 | Robust constrained economic receding horizon control applied to the two timeâ€scale dynamics problem of a greenhouse. Optimal Control Applications and Methods, 2014, 35, 435-453. | 2.1 | 23 |
| 79 | An IoT Architecture for Water Resource Management in Agroindustrial Environments: A Case Study in AlmerÃa (Spain). Sensors, 2020, 20, 596. | 3.8 | 23 |
| 80 | Adaptive repetitive control for resonance cancellation of a distributed solar collector field. International Journal of Adaptive Control and Signal Processing, 2009, 23, 331-352. | 4.1 | 22 |
| 81 | A practical approach for Generalized Predictive Control within an event-based framework. Computers and Chemical Engineering, 2012, 41, 52-66. | 3.8 | 22 |
| 82 | Implementation of feedback linearization GPC control for a solar furnace. Journal of Process Control, 2013, 23, 1545-1554. | 3.3 | 22 |
| 83 | Tools and methodologies for teaching robotics in computer science & engineering studies. Computer Applications in Engineering Education, 2016, 24, 202-214. | 3.4 | 22 |
| 84 | Heterogeneous resource management in energy hubs with self-consumption: Contributions and application example. Applied Energy, 2018, 229, 537-550. | 10.1 | 22 |
| 85 | Optimal thermal energy management of a distributed energy system comprising a solar membrane distillation plant and a greenhouse. Energy Conversion and Management, 2019, 198, 111791. | 9.2 | 22 |
| 86 | Predictive Control with Disturbance Forecasting for Greenhouse Diurnal Temperature Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1779-1784. | 0.4 | 21 |
| 87 | A parallel Teaching–Learning-Based Optimization procedure for automatic heliostat aiming. Journal of Supercomputing, 2017, 73, 591-606. | 3.6 | 21 |
| 88 | Feedforward controllers for greenhouse climate control based on physical models. , 2001, , . | | 20 |
| 89 | Modelling and Control Issues of pH in Tubular Photobioreactors. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 186-191. | 0.4 | 20 |
| 90 | Incremental fuzzy PI control of a solar power plant. IET Control Theory and Applications, 1997, 144, 596-604. | 1.7 | 19 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | CALIBRATION AND VALIDATION OF COMPLEX AND SIMPLIFIED TOMATO GROWTH MODELS FOR CONTROL PURPOSES IN THE SOUTHEAST OF SPAIN. Acta Horticulturae, 2004, , 147-154. | 0.2 | 19 |
| 92 | IMPROVING EFFICIENCY OF GREENHOUSE HEATING SYSTEMS USING MODEL PREDICTIVE CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 40-45. | 0.4 | 19 |
| 93 | Application of time-series methods to disturbance estimation in predictive control problems. , 2010, , . | | 19 |
| 94 | Solar Energy Fundamentals. Advances in Industrial Control, 2012, , 1-23. | 0.5 | 19 |
| 95 | A lumped parameter chemical–physical model for tubular photobioreactors. Chemical Engineering Science, 2014, 112, 116-129. | 3.8 | 19 |
| 96 | A New IoT-Based Platform for Greenhouse Crop Production. IEEE Internet of Things Journal, 2022, 9, 6325-6334. | 8.7 | 19 |
| 97 | A new model to analyze the temperature effect on the microalgae performance at large scale raceway reactors. Biotechnology and Bioengineering, 2021, 118, 877-889. | 3.3 | 19 |
| 98 | Modeling of a Solar Seawater Desalination Plant for Automatic Operation Purposes. Journal of Solar Energy Engineering, Transactions of the ASME, 2008, 130, . | 1.8 | 18 |
| 99 | Técnicas de Control del Confort en Edificios. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2010, 7, 5-24. | 1.0 | 18 |
| 100 | Filtered Smith predictor with feedback linearization and constraints handling applied to a solar collector field. Solar Energy, 2011, 85, 1056-1067. | 6.1 | 18 |
| 101 | Constrained Temperature Control of a Solar Furnace. IEEE Transactions on Control Systems Technology, 2012, 20, 1263-1274. | 5.2 | 18 |
| 102 | Control System for pH in Raceway Photobioreactors Based on Wiener Models. IFAC-PapersOnLine, 2019, 52, 928-933. | 0.9 | 18 |
| 103 | Adaptive UKF-based model predictive control of a Fresnel collector field. Journal of Process Control, 2020, 85, 76-90. | 3.3 | 18 |
| 104 | Understanding PID design through interactive tools. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 12243-12248. | 0.4 | 17 |
| 105 | Incremental State-Space Model Predictive Control of a Fresnel Solar Collector Field. Energies, 2019, 12, 3. | 3.1 | 17 |
| 106 | EXTENDED MOVING BOUNDARY MODEL FOR TWO-PHASE FLOWS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 368-373. | 0.4 | 16 |
| 107 | Improvements on the computation of boundaries in QFT. International Journal of Robust and Nonlinear Control, 2006, 16, 575-597. | 3.7 | 16 |
| 108 | Event-based control and wireless sensor network for greenhouse diurnal temperature control: A simulated case study. , 2008, , . | | 16 |

| # | Article | IF | CITATIONS |
|-----|--|------|-----------|
| 109 | Localization and control of tracked mobile robots under slip conditions. , 2009, , . | | 16 |
| 110 | Hybrid modeling of central receiver solar power plants. Simulation Modelling Practice and Theory, 2009, 17, 664-679. | 3.8 | 16 |
| 111 | Hybrid Modeling of a Solar Cooling System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 26-31. | 0.4 | 16 |
| 112 | Learning Switching Control: A Tank Level-Control Exercise. IEEE Transactions on Education, 2012, 55, 226-232. | 2.4 | 16 |
| 113 | Hierarchical control for microalgae biomass production in photobiorreactors. Control Engineering Practice, 2016, 54, 246-255. | 5.5 | 16 |
| 114 | Hector, a new methodology for continuous and pattern-free heliostat field optimization. Applied Energy, 2018, 225, 1123-1131. | 10.1 | 16 |
| 115 | Daytime/Nighttime Event-Based Pl Control for the pH of a Microalgae Raceway Reactor. Processes, 2019, 7, 247. | 2.8 | 16 |
| 116 | Indirect regulation of temperature in raceway reactors by optimal management of culture depth. Biotechnology and Bioengineering, 2021, 118, 1186-1198. | 3.3 | 16 |
| 117 | Modelado y control de la producción de microalgas en fotobiorreactores industriales. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2020, 18, 1. | 1.0 | 16 |
| 118 | Very high-energy ^ĵ 3-ray observations of the Crab nebula and other potential sources with the GRAAL experiment. Astroparticle Physics, 2002, 17, 293-318. | 4.3 | 15 |
| 119 | A hierarchical control system for maximizing profit in greenhouse crop production. , 2003, , . | | 15 |
| 120 | Robust Pressure Control in a Mobile Robot for Spraying Tasks. Transactions of the ASABE, 2008, 51, 715-727. | 1.1 | 15 |
| 121 | The input amplitude saturation problem in QFT: A survey. Annual Reviews in Control, 2011, 35, 34-55. | 7.9 | 15 |
| 122 | Perspectives on control-relevant identification through the use of interactive tools. Control Engineering Practice, 2013, 21, 171-183. | 5.5 | 15 |
| 123 | High performance computing for the heliostat field layout evaluation. Journal of Supercomputing, 2017, 73, 259-276. | 3.6 | 15 |
| 124 | Biomass estimation of an industrial raceway photobioreactor using an extended Kalman filter and a dynamic model for microalgae production. Algal Research, 2019, 37, 103-114. | 4.6 | 15 |
| 125 | Hierarchical control for the start-up procedure of solar thermal fields with direct storage. Control Engineering Practice, 2020, 95, 104254. | 5.5 | 15 |
| 126 | MODELLING AND SIMULATION OF GREENHOUSE CLIMATE USING DYMOLA. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 79-84. | 0.4 | 14 |

| # | Article | IF | CITATIONS |
|-----|--|------|-----------|
| 127 | The influence of event-based sampling techniques on data transmission and control performance. , 2009, , . | | 14 |
| 128 | Bumpless switching in control - A comparative study. , 2010, , . | | 14 |
| 129 | Teaching Control Engineering Concepts using Open Source tools on a Raspberry Pi board**This work has been partially funded by the following projects: DPI2014- 55932-C2-1-R and DPI2014-56364-C2-1-R (financed by the Spanish Ministry of Science and Innovation and EU- ERDF funds). IFAC-PapersOnLine, 2015. 48. 99-104. | 0.9 | 14 |
| 130 | A two-layered solution for automatic heliostat aiming. Engineering Applications of Artificial Intelligence, 2018, 72, 253-266. | 8.1 | 14 |
| 131 | GREENHOUSE DIURNAL TEMPERATURE CONTROL WITH NATURAL VENTILATION BASED ON EMPIRICAL MODELS. Acta Horticulturae, 2006, , 57-64. | 0.2 | 13 |
| 132 | Preliminary modeling and control studies in AQUASOL project. Desalination, 2008, 222, 466-473. | 8.2 | 13 |
| 133 | A QFT Framework for Antiwindup Control Systems Design. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2010, 132, . | 1.6 | 13 |
| 134 | Viability and application of ethanol production coupled with solar cooling. Applied Energy, 2013, 102, 501-509. | 10.1 | 12 |
| 135 | A multivariable nonlinear MPC control strategy for thermal comfort and indoor-air quality. , 2013, , . | | 12 |
| 136 | Optimal feedforward compensators for systems with right-half plane zeros. Journal of Process Control, 2014, 24, 368-374. | 3.3 | 12 |
| 137 | Robust design methodology for simultaneous feedforward and feedback tuning. IET Control Theory and Applications, 2016, 10, 84-94. | 2.1 | 12 |
| 138 | Frequency-based adaptive control of systems with antiresonance modes. Control Engineering Practice, 1996, 4, 677-684. | 5.5 | 11 |
| 139 | Nonlinear neural model-based predictive control of a solar plant. , 1997, , . | | 11 |
| 140 | PI+CI compensation with variable reset: Application on solar collector fields. , 2008, , . | | 11 |
| 141 | A robust constrained reference governor approach using linear matrix inequalities. Journal of Process Control, 2009, 19, 773-784. | 3.3 | 11 |
| 142 | Parabolic trough collector field dynamic model: Validation, energetic and exergetic analyses. Applied Thermal Engineering, 2019, 148, 777-786. | 6.0 | 11 |
| 143 | Multiobjective control architecture to estimate optimal set points for user comfort and energy saving in buildings. ISA Transactions, 2020, 99, 454-464. | 5.7 | 11 |
| 144 | Diurnal and nocturnal pH control in microalgae raceway reactors by combining classical and event-based control approaches. Water Science and Technology, 2020, 82, 1155-1165. | 2.5 | 11 |

| # | Article | IF | CITATIONS |
|-----|---|------------------|----------------|
| 145 | Hierarchical Control of a Distributed Solar Collector Field. Lecture Notes in Computer Science, 2005, , 614-620. | 1.3 | 10 |
| 146 | Copper sintering in a solar furnace through fuzzy control. , 2006, , . | | 10 |
| 147 | A Wireless Sensor Network for greenhouse climate monitoring. , 2010, , . | | 10 |
| 148 | Practical MPC with robust dead-time compensation applied to a solar desalination plant. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 4909-4914. | 0.4 | 10 |
| 149 | A combined FSP and reset control approach to improve the set-point tracking task of dead-time processes. Control Engineering Practice, 2013, 21, 351-359. | 5.5 | 10 |
| 150 | Constrained control strategies for disturbance rejection in a solar furnaces. Control Engineering Practice, 2013, 21, 1410-1421. | 5.5 | 10 |
| 151 | Fast MPC with staircase parametrization of the inputs: Continuous input blocking. , 2017, , . | | 10 |
| 152 | Modeling and simulation of a solar field based on flat-plate collectors. Solar Energy, 2018, 170, 369-378. | 6.1 | 10 |
| 153 | Experimental evaluation of feedforward tuning rules. Control Engineering Practice, 2021, 114, 104877. | 5.5 | 10 |
| 154 | ITSIE: An Interactive Software Tool for System Identification Education. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 752-757. | 0.4 | 9 |
| 155 | Robust control of solar plants with distributed collectors. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 823-828. | 0.4 | 9 |
| 156 | A repetitive control scheme for distributed solar collector field. International Journal of Control, 2010, 83, 970-982. | 1.9 | 9 |
| 157 | i-pIDtune: An interactive tool for integrated system identification and PID control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 146-151. | 0.4 | 9 |
| 158 | Teaching real-time programming using mobile robots**This work has been partially funded by the following projects: DPI2014-55932-C2-1-R and DPI2014-56364-C2-1-R (financed by the Spanish Ministry of) Tj E | TQ qው 0 0 | rgBJT /Overloc |
| 159 | Design of a parallel genetic algorithm for continuous and pattern-free heliostat field optimization. Journal of Supercomputing, 2019, 75, 1268-1283. | 3.6 | 9 |
| 160 | Revisiting the simplified IMC tuning rules for lowâ€order controllers: Novel 2DoF feedback controller. IET Control Theory and Applications, 2020, 14, 1700-1710. | 2.1 | 9 |
| 161 | Modelado y control automático en destilación por membranas solar: fundamentos y propuestas para su desarrollo tecnológico. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2020, 17, 329. | 1.0 | 9 |
| 162 | Dynamic Models for Hydrogen Peroxide Control in Solar Photo-Fenton Systems. Journal of Solar Energy Engineering, Transactions of the ASME, 2007, 129, 37-44. | 1.8 | 8 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Object-oriented modelling and simulation of ACUREX solar thermal power plant. Mathematical and Computer Modelling of Dynamical Systems, 2010, 16, 211-224. | 2.2 | 8 |
| 164 | Control Issues in Solar Systems. Advances in Industrial Control, 2012, , 25-47. | 0.5 | 8 |
| 165 | Symmetric send-on-delta PI control of a greenhouse system. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4411-4416. | 0.4 | 8 |
| 166 | Nonlinear controllers for solar thermal plants: A comparative study. Control Engineering Practice, 2015, 43, 12-20. | 5.5 | 8 |
| 167 | On reduction of control effort in feedback linearization GPC strategy applied to a solar furnace. Optimal Control Applications and Methods, 2016, 37, 521-536. | 2.1 | 8 |
| 168 | Application of Predictive Feedforward Compensator to Microalgae Production in a Raceway Reactor: A Simulation Study. Energies, 2018, 11, 123. | 3.1 | 8 |
| 169 | Apparent delay analysis for a flat-plate solar field model designed for control purposes. Solar Energy, 2019, 177, 241-254. | 6.1 | 8 |
| 170 | Development of an empirical tomato crop disease model: a case study on gray leaf spot. European Journal of Plant Pathology, 2020, 156, 477-490. | 1.7 | 8 |
| 171 | A nonlinear control approach for hybrid solar thermal plants based on operational conditions. Renewable Energy, 2022, 183, 114-129. | 8.9 | 8 |
| 172 | Object oriented modelling and simulation of parabolic trough collectors with modelica. Mathematical and Computer Modelling of Dynamical Systems, 2008, 14, 361-375. | 2.2 | 7 |
| 173 | Interactive Learning Module: Basic Modelling and Identification Concepts. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 14606-14611. | 0.4 | 7 |
| 174 | Interactive Tools to Learn Basic Concepts of Nonlinear Systems Linearization Through a Case Study*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 66-71. | 0.4 | 7 |
| 175 | A New Framework to develop Web-based Interactive Tools for Control Education. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 183-188. | 0.4 | 7 |
| 176 | Development of interactive books for Control Education. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 150-155. | 0.4 | 7 |
| 177 | Advanced Control Strategy Combined with Solar Cooling for Improving Ethanol Production in Fermentation Units. Industrial & Engineering Chemistry Research, 2014, 53, 11384-11392. | 3.7 | 7 |
| 178 | Event-Based GPC for Multivariable Processes: A Practical Approach With Sensor Deadband. IEEE Transactions on Control Systems Technology, 2017, 25, 1621-1633. | 5.2 | 7 |
| 179 | On building-up a yearly characterization of a heliostat field: A new methodology and an application example. Solar Energy, 2018, 173, 578-589. | 6.1 | 7 |
| 180 | Machine learning for solar trackers. AIP Conference Proceedings, 2019, , . | 0.4 | 7 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | Copper Sintering in a Solar Furnace through Fuzzy control. , 2006, , . | | 7 |
| 182 | Optimizing the Heliostat Field Layout by Applying Stochastic Population-Based Algorithms. Informatica, 2018, 29, 21-39. | 2.7 | 7 |
| 183 | Entornos de experimentación para la Enseñanza de Conceptos Básicos de Modelado y Control. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2010, 7, 10-22. | 1.0 | 7 |
| 184 | Modelling Free Response of a Solar Plant for Predictive Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 1241-1246. | 0.4 | 6 |
| 185 | VIRTUAL LAB FOR TEACHING GREENHOUSE CLIMATIC CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 79-84. | 0.4 | 6 |
| 186 | VENTILATION RATE MODELS OF MEDITERRANEAN GREENHOUSES FOR CONTROL PURPOSES. Acta Horticulturae, 2006, , 197-204. | 0.2 | 6 |
| 187 | Control of Solar Power Systems: a survey. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 817-822. | 0.4 | 6 |
| 188 | Study of fundamental control concepts through interactive learning objects. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 7286-7291. | 0.4 | 6 |
| 189 | Feedforward control concepts through Interactive Tools. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6361-6366. | 0.4 | 6 |
| 190 | Sliding Mode Control of Distributed Parameter Processes: Application to a Solar Power Plant. Journal of Control, Automation and Electrical Systems, 2014, 25, 291-302. | 2.0 | 6 |
| 191 | ITCLI : An Interactive Tool for Closed-Loop Identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 12249-12254. | 0.4 | 6 |
| 192 | Measurable Disturbances Compensation: Analysis and Tuning of Feedforward Techniques for Dead-Time Processes. Processes, 2016, 4, 12. | 2.8 | 6 |
| 193 | An IoT based Control System for a Solar Membrane Distillation Plant used for Greenhouse Irrigation. , 2019, , . | | 6 |
| 194 | Hybrid NMPC Applied to a Solar-powered Membrane Distillation System. IFAC-PapersOnLine, 2019, 52, 124-129. | 0.9 | 6 |
| 195 | Optimal Water Management in Agro-Industrial Districts: An Energy Hub's Case Study in the Southeast of Spain. Processes, 2021, 9, 333. | 2.8 | 6 |
| 196 | Control Predictivo por Desacoplo con Compensación de Perturbaciones para el Benchmark de Control 2009-2010. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2011, 8, 112-121. | 1.0 | 6 |
| 197 | A Simple and Effective Heuristic Control System for the Heliostat Field of Solar Power Tower Plants. Acta Polytechnica Hungarica, 2020, 17, 7-26. | 2.9 | 6 |
| 198 | A stabilizing predictive controller with implicit feedforward compensation for stable and time-delayed systems. Journal of Process Control, 2022, 115, 12-26. | 3.3 | 6 |

4

| # | Article | IF | CITATIONS |
|-----|--|------------|---------------|
| 199 | A Volterra model of the greenhouse temperature using natural ventilation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 2925-2930. | 0.4 | 5 |
| 200 | The Design of QFT Robust Compensators with Magnitude and Phase Specifications. Mathematical Problems in Engineering, 2010, 2010, 1-20. | 1.1 | 5 |
| 201 | Control Strategies for Disturbance Rejection in a Solar Furnace. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 12243-12248. | 0.4 | 5 |
| 202 | Design of PID Controller with Filter for Distributed Parameter Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 495-500. | 0.4 | 5 |
| 203 | A fuzzy controller for visual comfort inside a meeting-room. , 2015, , . Event-based selective control strategy for raceway reactor: A simulation study**This work has been | | 5 |
| 204 | supported by Cajamar Foundation and partially funded by the following projects: DPI2014- 55932-C2-1-R, DPI2014-56364-C2-1-R and DPI2012-31303 (financed by the Spanish Ministry of Economy and) Tj ETQq0 0 0 rgI | 3T /Overlo | ck 10 Tf 50 5 |

| | | 0.9 | 5 |
|-----|---|-----|---|
| 208 | A Multivariable Controller for the Start-up Procedure of a Solar Membrane Distillation Facility. IFAC-PapersOnLine, 2018, 51, 376-381. | 0.9 | 5 |
| 209 | Solar tower power mockup for the assessment of advanced control techniques. Renewable Energy, 2020, 149, 682-690. | 8.9 | 5 |
| 210 | FREQUENCY BASED ADAPTIVE CONTROL OF SYSTEMS WITH ANTIRESONANCE MODES. , 1995, , 197-202. | | 5 |
| 211 | Revisiting the simplified internal model control tuning rules for lowâ€order controllers: feedforward controller. IET Control Theory and Applications, 2020, 14, 1612-1618. | 2.1 | 5 |
| 212 | Genetic design of a fuzzy logic controller for a solar power plant. , 1997, , . | | 4 |
| 213 | Easy Mobile Device Programming for Educational Purposes. , 0, , . | | 4 |
| 214 | Explanatory Analysis of Data from a Distributed Solar Collector Field. Lecture Notes in Computer Science, 2005, , 621-626. | 1.3 | 4 |
| 215 | Modelling and Simulation of Central Receiver Solar Thermal Power Plants. , 0, , . | | 4 |
| | | | |

216 Interactive Learning Module for control interaction understanding. , 2009, , .

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | Diurnal greenhouse temperature control with predictive control and online constrains mapping. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 140-145. | 0.4 | 4 |
| 218 | Teaching Cascaded Controllers with a Fuel Cell Plant in a Hands-on Laboratory. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 203-207. | 0.4 | 4 |
| 219 | Boundary Control of an Industrial Tubular Photobioreactor Using Sliding Mode Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4903-4908. | 0.4 | 4 |
| 220 | Understanding closed-loop identification with ITCLI. IFAC-PapersOnLine, 2015, 48, 739-744. | 0.9 | 4 |
| 221 | Event-based control for a greenhouse irrigation system. , 2016, , . | | 4 |
| 222 | A New Methodology for Building-Up a Robust Model for Heliostat Field Flux Characterization. Energies, 2017, 10, 730. | 3.1 | 4 |
| 223 | A Flexible Tool for Modeling and Optimal Dispatch of Resources in Agri-Energy Hubs. Sustainability, 2020, 12, 8820. | 3.2 | 4 |
| 224 | Optimal operation of solar thermal desalination systems coupled to double-effect absorption heat pumps. Energy Conversion and Management, 2020, 210, 112705. | 9.2 | 4 |
| 225 | An Indoor Illuminance Prediction Model Based on Neural Networks for Visual Comfort and Energy Efficiency Optimization Purposes. Lecture Notes in Computer Science, 2019, , 146-156. | 1.3 | 4 |
| 226 | Leaf area index soft sensor for tomato crops in greenhouses. IFAC-PapersOnLine, 2020, 53, 15796-15803. | 0.9 | 4 |
| 227 | Improving the performance of solar membrane distillation processes for treating high salinity feeds: A process control approach for cleaner production. Journal of Cleaner Production, 2022, 338, 130446. | 9.3 | 4 |
| 228 | LQG/LTR Control of the Distributed Collector Field of a Solar Power Plant. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 6975-6980. | 0.4 | 3 |
| 229 | Application of artificial neural networks for greenhouse climate modelling. , 1999, , . | | 3 |
| 230 | REMOTE LABORATORY FOR TEACHING MULTIVARIABLE CONTROL TECHNIQUES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 493-498. | 0.4 | 3 |
| 231 | ITCRI: An Interactive Software Tool for Control-Relevant Identification Education*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6367-6372. | 0.4 | 3 |
| 232 | Improvements on the Filtered Smith Predictor using the Clegg Integrator. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 110-115. | 0.4 | 3 |
| 233 | A feedback linearization GPC control strategy for a solar furnace. , 2012, , . | | 3 |
| 234 | Optimal feedforward compensators for integrating plants. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 170-175. | 0.4 | 3 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Solar membrane distillation: A control perspective. , 2015, , . | | 3 |
| 236 | A proposal for teaching SCADA systems using Virtual Industrial Plants in Engineering Education. IFAC-PapersOnLine, 2016, 49, 138-143. | 0.9 | 3 |
| 237 | Control predictivo lineal del PH en un fotobiorreactor Raceway. , 0, , . | | 3 |
| 238 | Interactive Tool to Teach Solar Parabolic Trough Concepts. , 2011, , . | | 3 |
| 239 | Optimal operating conditions analysis of a multi-effect distillation plant. , 0, 69, 229-235. | | 3 |
| 240 | Frequency Based Adaptive Control of Systems with Antiresonance Modes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1995, 28, 197-202. | 0.4 | 2 |
| 241 | Analyzing Solar Power Plant Performance Through Data Mining. Journal of Solar Energy Engineering, Transactions of the ASME, 2008, 130, . | 1.8 | 2 |
| 242 | Advanced Control of Parabolic Troughs. Advances in Industrial Control, 2012, , 129-238. | 0.5 | 2 |
| 243 | Basic Control of Parabolic Troughs. Advances in Industrial Control, 2012, , 67-127. | 0.5 | 2 |
| 244 | A feedback linearization-based two-degree-of-freedom constrained controller strategy for a solar furnace. , 2013, , . | | 2 |
| 245 | Lagrange interpolation for signal reconstruction in event-based GPC. , 2014, , . | | 2 |
| 246 | Filtered Smith Predictor with nonlinear model applied to a solar field. , 2014, , . | | 2 |
| 247 | Hierarchical Non-linear Control of a Tubular Photobioreactor. IFAC-PapersOnLine, 2015, 48, 224-229. | 0.9 | 2 |
| 248 | Low-order feedback-feedforward controller for dead-time processes with measurable disturbances. IFAC-PapersOnLine, 2016, 49, 591-596. | 0.9 | 2 |
| 249 | Editorial optimal control of solar energy systems. Optimal Control Applications and Methods, 2016, 37, 463-465. | 2.1 | 2 |
| 250 | Multivariable GPC for processes with multiple time delays: Implementation issues. , 2016, , . | | 2 |
| 251 | Predictive feedforward compensator for dead-time processes * *This work has been partially funded by the following projects: DPI2014-55932-C2-1-R, DPI2014-55932-C2-2-R, DPI2014-56364-C2-1-R and and the UNED through a postdoctoral scholarship IFAC-PapersOnLine, 2017, 50, 1239-1244. | 0.9 | 2 |
| 252 | Control and optimal management of a heliostat field for solar power tower systems. , 2019, , . | | 2 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 253 | Comfort in Buildings. Advances in Industrial Control, 2014, , 39-78. | 0.5 | 2 |
| 254 | Técnicas de Control del Confort en Edificios. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2010, 7, 5-24. | 1.0 | 2 |
| 255 | A computer-based tool to simulate raceway photobioreactors for design, operation and control purposes. Computers and Chemical Engineering, 2022, 156, 107572. | 3.8 | 2 |
| 256 | Techniques and Applications of Fuzzy Logic Control of Solar Power Plants. , 1999, , 717-745. | | 2 |
| 257 | A virtual lab for modeling and control of a solar collector field. IFAC-PapersOnLine, 2020, 53, 17216-17221. | 0.9 | 2 |
| 258 | Dynamic Model for the pH in a Raceway Reactor Using Deep Learning Techniques. Lecture Notes in Electrical Engineering, 2021, , 190-199. | 0.4 | 2 |
| 259 | Constructive Radial Basis Function Networks for Mobile Robot Positioning. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 181-186. | 0.4 | 1 |
| 260 | Discrete-time nonlinear FIR models with integrated variables for greenhouse indoor temperature simulation. , 0, , . | | 1 |
| 261 | Robust GPC-QFT approach using Linear Matrix Inequalities. , 2007, , . | | 1 |
| 262 | Nonlinear model predictive control of greenhouse temperature using a Volterra model. , 2009, , . | | 1 |
| 263 | Virtual lab for programmable logic controllers. , 2009, , . | | 1 |
| 264 | Selección de variables en la predicción de llamadas en un centro de atención telefónica. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2009, 6, 94-104. | 1.0 | 1 |
| 265 | An open-source graphical library for the development of Interactive Tools. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 42, 37-42. | 0.4 | 1 |
| 266 | ITCRI: An Interactive Software Tool for Evaluating Control-Relevant Identification*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1529-1534. | 0.4 | 1 |
| 267 | Event-based GPC for multivariable processes. , 2015, , . | | 1 |
| 268 | Control strategies applied in the HYSOL demonstrator: A simulation-based evaluation. , 2016, , . | | 1 |
| 269 | Using a Nonlinear Model Predictive Control strategy for the efficient operation of a solar-powered membrane distillation system. , 2017, , . | | 1 |
| 270 | Event-Based Generalized Predictive Control. , 2018, , 151-176. | | 1 |

| # | Article | IF | CITATIONS |
|-----|---|-----------|------------|
| 271 | Inverse pole placement method for PI control in the tracking problem ⎠âŽThis work has been partially funded by the following projects: DPI2014-55932-C2-1-R, DPI2014-56364-C2-1-R and DPI2017-84259-C2-1-R (financed by the Spanish Ministry of Economy, Industry and Competitiveness and EU-ERDF funds) IFAC-PapersOnLine, 2018, 51, 406-411. | 0.9 | 1 |
| 272 | Use of the benchmark for PID control in engineering studies at the University of AlmerÃa ⎠AŽThis work has been partially funded by the following projects: DPI2014-55932-C2-1-R, DPI2014-56364-C2-1-R and DPI2017-84259-C2-1-R (financed by the Spanish Ministry of Economy Industry and Competitiveness and) Tj ETQo | ე0ზზ rgB1 | Dverlock I |
| 273 | Application of a Symmetric-Send-On-Delta event-based controller for a microalgal raceway reactor. , 2019, , . | | 1 |
| 274 | Control of Central Receiver Systems. Advances in Industrial Control, 2012, , 239-313. | 0.5 | 1 |
| 275 | Comfort Control Techniques for the Users of a Room. Advances in Industrial Control, 2014, , 143-218. | 0.5 | 1 |
| 276 | Starting-up strategies for solar thermal fields attending to time and economic criteria: Application of hierarchical control. IFAC-PapersOnLine, 2020, 53, 12822-12828. | 0.9 | 1 |
| 277 | Adaptive Control of a Solar Furnace for Material Testing. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 163-169. | 0.4 | 0 |
| 278 | A SYNTHESIS THEORY FOR A CLASS OF UNCERTAIN LTI SYSTEMS WITH AMPLITUDE AND RATE SATURATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 197-202. | 0.4 | 0 |
| 279 | INTERACTIVE TOOL FOR ANALYSIS OF TIME-DELAY SYSTEMS WITH DEAD-TIME COMPENSATORS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 428-433. | 0.4 | 0 |
| 280 | Applications of Hybrid Predictive Control. International Journal of Adaptive Control and Signal Processing, 2008, 22, 101-102. | 4.1 | 0 |
| 281 | Teaching System Identification Through Interactivity. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 42, 43-48. | 0.4 | 0 |
| 282 | Integrated Control of Solar Systems. Advances in Industrial Control, 2012, , 369-385. | 0.5 | 0 |
| 283 | Other Solar Applications. Advances in Industrial Control, 2012, , 315-368. | 0.5 | 0 |
| 284 | Integrated virtual and remote lab for greenhouse climate control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 264-269. | 0.4 | 0 |
| 285 | Photovoltaics. Advances in Industrial Control, 2012, , 49-66. | 0.5 | 0 |
| 286 | An educational software to develop robot mapping and localization practices using visual information. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 174-179. | 0.4 | 0 |
| 287 | Event-based predictive control triggered by input and output deadband conditions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 8116-8121. | 0.4 | 0 |
| | | | |

288 Multivariable controller for stationary flat plate solar collectors. , 2018, , .

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 289 | Nonlinear Control of a Fan-Coil Operation. , 2018, , . | | Ο |
| 290 | Control and Optimization of Distributed Solar Collector Fields. , 2018, , . | | 0 |
| 291 | A lightweight heliostat field post-optimizer. AIP Conference Proceedings, 2019, , . | 0.4 | ο |
| 292 | Thermal Comfort Predictive Control Strategies for a Solar Energy Research Center. , 2011, , . | | 0 |
| 293 | Subsystems and Disturbance Models. Advances in Industrial Control, 2014, , 79-142. | 0.5 | Ο |
| 294 | Integration of Photovoltaic Generation Within a Modeling Framework for Energy Hubs. Frontiers in Control Engineering, 2022, 3, . | 0.6 | 0 |