

PAPERS INDEXED IN WEB OF SCIENCE (CLARIVATE ANALYTICS)

2019

1. Control Strategies of a Wastewater Treatment Plant, Luca, Laurentiu; Vilanova, Ramon; Ifrim, George Adrian; et al., Conference: 12th International-Federation-of-Automatic-Control (IFAC) Symposium on Dynamics and Control of Process Systems including Biosystems (DYCOPS) Location: FEESC, Florianopolis, BRAZIL Date: APR 23-26, 2019, DOI: 10.1016/j.ifacol.2019.06.071.

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2. Fuzzy logic for plant-wide control of biological wastewater treatment process including greenhouse gas emissions Author(s): Santin, I (Santin, I.); Barbu, M (Barbu, M.); Pedret, C (Pedret, C.); Vilanova, R (Vilanova, R.), Source: ISA TRANSACTIONS Volume: 77 Pages: 146-166 DOI: 10.1016/j.isatra.2018.04.006 Published: JUN 2018.
3. Applying Control Actions for Water Line and Sludge Line To Increase Wastewater Treatment Plant Performance, Author(s): Barbu, M (Barbu, Marian); Santin, I (Santin, Ignacio); Vilanova, R (Vilanova, Ramon), Source: INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH Volume: 57 Issue: 16 Pages: 5630-5638 DOI: 10.1021/acs.iecr.7b05298 Published: APR 25 2018.
4. Speet: Visual data analysis of engineering students performance from academic Data? Domínguez, M., Vilanova, R., Prada, M.A., Vicario, J., Barbu, M., Varanda, M.J., Podpora, M., Spagnolini, U., Alves, P., Paganoni, A., CEUR Workshop Proceedings, Volume 2188, 2018, Pages 50-61, 2018 Learning Analytics Summer Institute Spain, LASI-SPAIN 2018.
5. Differential Ant-Stigmergy Algorithm for Optimal Control Problems, A. Serbencu, V MINZU, Proceedings of the 22th International Conference on System Theory, Control and Computing, Sinaia, Romania, October 10-12, 2018, ISBN: 978-1-5386-4444-7/18/\$31.0 ©2018 IEEE.
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7. Simultaneous control of pH and dissolved oxygen in closed photobioreactor, Mariana Titica; Antoinette Kazbar; Helene Marec; Jérémy Pruvost; George Ifrim; Marian Barbu; Sergiu Caraman, 2018 22nd International Conference on System Theory, Control and Computing (ICSTCC),Year: 2018, Pages: 372 – 378.
8. Gain scheduling controller design for wind systems using a data driven algorithm, Adriana Burlibasa; Marian Barbu; Emil Ceanga, 2018 22nd International Conference on System Theory, Control and Computing (ICSTCC), Year: 2018, Pages: 59 – 66.

9. Event-based cascade controller for nitrogen removal in wastewater treatment plant, R. Vilanova; I. Santin; C. Pedret; M. Barbu, 2018 7th International Conference on Systems and Control (ICSC), Year: 2018 , Page s: 207 - 212 , IEEE Conferences
10. Event-based control for dissolved oxygen and nitrogen in wastewater treatment plants, R. Vilanova; I. Santin; C. Pedret; M. Barbu, 2018 22nd International Conference on System Theory, Control and Computing (ICSTCC), Year: 2018, Page s: 212 - 217, IEEE Conferences.
11. Fuzzy Control of a Microalgae GrowMh Process in Photobioreactors, Laurentiu Luca; Marian Barbu; George Ifrim; Emil Ceanga; Mihaela Miron; Sergiu Caraman, 2018 22nd International Conference on System Theory, Control and Computing (ICSTCC), Year: 2018, Pages: 480 – 485.
12. Solea R.; Ciubucciu G.; Cernega D.; Filipescu A.; Voncila I., "Trajectory Tracking Nonlinear Control and Narrow Spaces Navigation of a WMR", 22nd International Conference on System Theory, Control and Computing (ICSTCC 2018), Sinaia, Romania, 10-12 Oct. 2018, pp. 329-334, DOI: 10.1109/ICSTCC.2018.8540661.
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