

**PROPOSTA DI ISTITUZIONE DEL CORSO DI DOTTORATO IN
INGEGNERIA ELETTRONICA, INFORMATICA ED ELETTRICA**

CICLO 33

Produzione scientifica dei membri del collegio dal 2012 al 2016: vengono riportate per ciascuno le (max) 5 pubblicazioni ritenute più significative ricomprese nelle tipologie VQR

Prof. Panagiotis Christofides

1. Gu, H., A. Rahardianto, L. Gao, P. D. Christofides and Y. Cohen, "Ultrafiltration with Self-Generated RO Concentrate Pulse Backwash in a Novel Integrated Seawater Desalination UF-RO System," *J. Membrane Sci.*, 520, 111-119, 2016.
2. Ellis, M., H. Durand and P. D. Christofides, "Elucidation of the Role of Constraints in Economic Model Predictive Control," *Annual Reviews in Control*, 41, 208-217, 2016.
3. Albalawi, F., A. Alanqar, H. Durand and P. D. Christofides, "A Feedback Control Framework for Safe and Economically-Optimal Operation of Nonlinear Processes," *AIChE J.*, 62, 2391-2409, 2016.
4. Durand, H., M. Ellis and P. D. Christofides, "Economic Model Predictive Control Designs for Input Rate-of-Change Constraint Handling and Guaranteed Economic Performance," *Comp. & Chem. Eng.*, 92, 18-36, 2016.
5. Lao, L., A. Aguirre, A. Tran, Z.Wu, H. Durand and P. D. Christofides, "CFD Modeling and Control of a Steam Methane Reforming Reactor," *Chem. Eng. Sci.*, 148, 78-92, 2016.