

Producción por LGAC – Capítulos de Libros

El programa contempla 5 LGAC, en todas ellas existen profesores del NAB activos y estudiantes graduados y activos. La productividad respecto de Capítulos de Libros publicados de estas LGAC se describe a continuación.

LGAC – Ingeniería de Procesos

Autor	Año de publicación	Título del capítulo	Título del libro	Editorial	No. de Citas	Total de autores	Posición del	Lista de autores
JOSE MARIA PONCE ORTEGA	2018	Perspectiva s del desarrollo de sistemas de generación distribuida en México. Perspectiva s de Sustentabili dad en México	Red Nacional SUMAS	Ciemat		2	2	Luis Fabian Fuentes Cortes, José María Ponce Ortega
JOSE MARIA PONCE ORTEGA	2017	Optimal planning of infreaestruct ure for the supply chain of shale gas	In Advances in energy systems engineering	Springer		3	2	Arredondo-Ramirez, K., Ponce-Ortega, J.M., El-Halwagi, M.M.
JOSE MARIA PONCE ORTEGA	2017	Optimal design of cogeneratio n systems based on flaring and venting streams and accounting for the involved uncertainty	Computer-Aided Chemical Engineering, 40	Elsevier		4	3	Tovar-Facio, J., Eljack, F., Ponce-Ortega, J.,M., El-Halwagi, M.M.
JOSE MARIA PONCE ORTEGA	2017	Optimal planning of energy production involving carbon capture systems through a multi-stakeholder scheme	Computer-Aided Chemical Engineering, 40	Elsevier		4	4	Sanchez-Bautista, A.F., Santibañez-Aguilar, J.E., Gonzalez-Campos, J.B., Ponce-Ortega, J.,M.
JOSE MARIA PONCE ORTEGA	2017	Optimal coupling of demand patterns for improving the performance of CHP systems.	Computer-Aided Chemical Engineering, 40	Elsevier		4	4	Fuentes-Cortes, L.F., Zavala, V.M., Gonzalez-Campos, J.B., Ponce-Ortega, J.,M.

JOSE MARIA PONCE ORTEGA	2017	Dynamic optimization and control strategy for the planning of a waste management system involving multiple cities.	Computer-Aided Chemical Engineering, 40	Elsevier		4	4	Santibañez-Aguilar, J.E., Flores-Tlacuahuac, A., Rivera-Toledo, M., Ponce-Ortega, J.,M.
FABRICIO NAPOLES RIVERA	2016	Optimal Design of Macroscopic Water and Energy Networks	Alternative Energy Sources and Technologies	SPRINGER		3	2	Ramón González-Bravo, Fabricio Nápoles-Rivera, José María Ponce-Ortega
FABRICIO NAPOLES RIVERA	2016	Optimal Planning of Sustainable Supply Chains for the Production of Ambrox based on Ageratina jocotepecana in Mexico	Process Design Strategies for Biomass Conversion Systems	JOHN WILEY & SONS, LTD		6	5	Sergio I Martínez Guido, J Betzabe González¿Campos, Rosa E Del Río, José M Ponce¿Ortega, Fabricio Nápoles¿Rivera, Medardo Serna¿González
JOSE MARIA PONCE ORTEGA	2016	A mixed integer programming model for sustainable water management in macroscopic systems.	. Proceedings o the 26th European Symposium on Computer Aided Process Engineering	ELSEVIER		3	3	1. Garibay-Rodríguez, J. 2. Rico-Ramírez, V. 3. Ponce-Ortega, J.M.
JOSE MARIA PONCE ORTEGA	2016	Mathematical optimization of the production of fuel pellets from residual biomass.	Proceedings o the 26th European Symposium on Computer Aided Process Engineering.	ELSEVIER		6	3	1. Méndez-Vázquez, M. A. 2. Gómez-Castro, F.I. 3. Ponce-Ortega, J.M. 4. Serafin-Muñoz, A.H., 5. Santibañez-Aguilar, J. E. 6. El-Halwagi, M.M.
JOSE MARIA PONCE ORTEGA	2016	Optima planning of distributed systems of refineries and biorefineries considering pollution trading with forest plantations.	Proceedings o the 26th European Symposium on Computer Aided Process Engineering.	ELSEVIER		4	4	1. Sánchez-Bautista, AF. 2. Santibañez-Aguilar, J. E. 3. You, F. 4. Ponce-Ortega, J.M.
JOSE MARIA PONCE ORTEGA	2016	Optimal design of macroscopic water and energy networks.	Alternative Energy Sources and Technologies	SPRINGER		3	3	1. González-Bravo, R. 2. Nápoles-Rivera, F. 3. Ponce-Ortega, J.M.
JOSE MARIA PONCE ORTEGA	2016	Optimal planning of sustainable supply chains for the production of Ambrox base don Ageratina jocotepecana in Mexico	Process Design Strategies for Biomass Conversion Systems.	WILEY		6	4	1. Martinez-Guido, S.I. 2. González-Campos, J. B. 3. Del Río, R.E. 4. Ponce-Ortega, J.M. 5. Nápoles-Rivera, F. 6. Serna-González, M
JOSE MARIA PONCE ORTEGA	2016	Optimal reuse of flowback wastewater in shale gas fracking operations considering economic and safety aspects	Proceedings o the 26th European Symposium on Computer Aided Process Engineering.	ELSEVIER		5	3	1. Lira-Barragán, L.F. 2. Martínez-Gomez, J. 3. Ponce-Ortega, J.M. 4. Serna-González, M. 5. El-Halwagi, M.M.

JOSE MARIA PONCE ORTEGA	2016	Process intensification in heat and mass exchanger networks. Process intensification in chemical engineering	Process intensification in chemical engineering	SPRINGER		1	1	Ponce-Ortega, J.M.
RAFAEL MAYA YESCAS	2016	Dynamics, Controllability and Control of Intensified Processes	Process Intensification in Chemical Engineering.- Design Optimization and Control	SPRINGER INTERNATIONAL PUBLISH		3	1	Rafael Maya-Yescas Ricardo Aguilar-López Gladys Jiménez-García
AGUSTIN JAIME CASTRO MONTOYA	2015	Risk Analysis Applied to Bioethanol Dehydration Processes: Azeotropic Distillation versus Extractive Distillation	Computer Aided Chemical Engineering	ELSEVIER				Agustin Jaime Castro Montoya, Adriana Aviles Martinez
JOSE MARIA PONCE ORTEGA	2015	Optimal design of thermal membrane distillation networks	Computer Aided Process Engineering, 37	ELSEVIER		5	3	1. González-Bravo, R. 2. Nápoles-Rivera, F. 3. Ponce-Ortega, J.M. 4. Serna-González, M. 5. El-Halwagi, M.M.
JOSE MARIA PONCE ORTEGA	2015	SUPPLY CHAINS AND OPTIMIZATION FOR BIOREFINERIES	Sustainability of products, processes and supply chains: Theory and Applications	ELSEVIER		5	3	1. Santibañez-Aguilar, J. E. 2. González-Campos, J. B. 3. Ponce-Ortega, J.M. 4. Serna-González, M. 5. El-Halwagi, M.M.
JOSE MARIA PONCE ORTEGA	2015	Sustainability of products, processes and supply chains: Theory and Applications	Dynamic optimization for the optimal location of new industrial facilities considering the sustainability of the watershed	ELSEVIER		5	4	1. Lira-Barragán, L.F. 2. Flores-Tlacuahuac, A. 3. Rivera-Toledo, M. 4. Ponce-Ortega, J.M. 5. Serna-González, M.
MA. DEL CARMEN CHAVEZ PARGA	2015	Tecnología Anaerobia para el Saneamiento de Aguas Residuales Industriales	Solución a la Problemática del Agua en México: Propuesta de Jóvenes Investigadores	UNIVERSIDAD DE GUANAJUATO				
AGUSTIN JAIME CASTRO MONTOYA	2014	Biofuels from Residues of the Tequila Industry of Mexico	Computer Aided Chemical Engineering	ELSEVIER				
FABRICIO NAPOLES RIVERA	2014	AN OPTIMAL PLANNING FOR THE REUSE OF MUNICIPAL SOLID WASTE CONSIDERING ECONOMIC, ENVIRONMENTAL AND SAFETY OBJECTIVES	COMPUTER AIDED CHEMICAL ENGINEERING	ELSEVIER				
FABRICIO NAPOLES RIVERA	2014	SUSTAINABLE WATER MANAGEMENT IN CITIES	COMPUTER AIDED CHEMICAL ENGINEERING	ELSEVIER		5	2	Ma. Guadalupe Rojas-Torres, Fabricio Nápoles-Rivera, Merdardo Serna-González, Mahmoud M. El-Halwagi, José María Ponce-Ortega

JOSE MARIA PONCE ORTEGA	2014	A MATHEMATICAL PROGRAMMING APPROACH FOR THE OPTIMAL SYNTHESIS OF NANOFIBERS THROUGH ELECTROSPINNING PROCESS	Computer Aided Process Engineering	ELSEVIER		4	4	Hernández-Vargas, J., González-Campos, J.B., Lara-Romero, J., Ponce-Ortega, J.M.
JOSE MARIA PONCE ORTEGA	2014	AN OPTIMAL PLANNING FOR THE REUSE OF MUNICIPAL SOLID WASTE CONSIDERING ECONOMIC, ENVIRONMENTAL AND SAFETY OBJECTIVES	Computer Aided Process Engineering	ELSEVIER		6	3	1. Santibañez-Aguilar, J. E. 2. Martinez-Gomez, J. 3. Ponce-Ortega, J.M. 4. Nápoles-Rivera, F. 5. Serna-González, M. 6. El-Halwagi, M.M.
JOSE MARIA PONCE ORTEGA	2014	BIOFUELS FROM RESIDUES OF THE TEQUILA INDUSTRY IN MEXICO	Computer Aided Process Engineering	ELSEVIER		5	2	Murillo-Alvarado, P., Ponce-Ortega, J.M., Castro-Montoya, A.J., Serna-González, M., El-Halwagi, M.M.
JOSE MARIA PONCE ORTEGA	2014	SUSTAINABLE INTEGRATION OF HEAT EXCHANGER NETWORKS AND UTILITY SYSTEMS	Computer Aided Process Engineering	ELSEVIER		4	2	Lira-Barragán, L.F., Ponce-Ortega, J.M., Serna-González, M., El-Halwagi, M.M.
JOSE MARIA PONCE ORTEGA	2014	SUSTAINABLE WATER MANAGEMENT IN CITIES	Computer Aided Process Engineering	ELSEVIER		5	3	Rojas-Torres, M.G., Nápoles-Rivera, F., Ponce-Ortega, J.M., Serna-González, M., El-Halwagi, M.M.
MEDARDO SERNA GONZALEZ	2014	AN OPTIMAL PLANNING FOR THE REUSE OF MUNICIPAL SOLID WASTE CONSIDERING ECONOMIC, ENVIRONMENTAL AND SAFETY OBJECTIVES	COMPUTER AIDED CHEMICAL ENGINEERING	ELSEVIER B.V.		6	5	José E. Santibañez-Aguilar, Juan Martínez-Gómez, José M. Ponce-Ortega, Fabricio Nápoles-Rivera, Medardo Serna-González, Mahmoud M. El-Halwagi
MEDARDO SERNA GONZALEZ	2014	BIOFUELS FROM RESIDUES OF THE TEQUILA INDUSTRY OF MEXICO	COMPUTER AIDED CHEMICAL ENGINEERING	ELSEVIER B.V.		5	4	Pascual Eduardo Murillo-Alvarado, José María Ponce-Ortega, Agustín Jaime Castro-Montoya, Medardo Serna-González, Mahmoud M. El-Halwagi
MEDARDO SERNA GONZALEZ	2014	SUSTAINABLE INTEGRATION OF HEAT EXCHANGER NETWORKS AND UTILITY SYSTEMS	COMPUTER AIDED CHEMICAL ENGINEERING	ELSEVIER B.V.		4	3	Luis Fernando Lira-Barragán, José María Ponce-Ortega, Medardo Serna-González, Mahmoud M. El-Halwagi