Antonis Kokossis

List of Publications by Year
in descending order

26 papers	493 citations	840776 11 h-index	713466 21 g-index
28 all docs	28 docs citations	28 times ranked	465 citing authors

#	Article	IF	Citations
1	A transhipment model for the optimisation of steam levels of total site utility system for multiperiod operation. Computers and Chemical Engineering, 2004, 28, 1673-1688.	3.8	85
2	Early-Stage Capital Cost Estimation of Biorefinery Processes: A Comparative Study of Heuristic Techniques. ChemSusChem, 2016, 9, 2284-2297.	6.8	79
3	On the robust application of stochastic optimisation technology for the synthesis of reaction/separation systems. Computers and Chemical Engineering, 2003, 27, 733-758.	3.8	65
4	Attainable reaction and separation processes from a superstructure-based method. AICHE Journal, 2003, 49, 1451-1470.	3.6	52
5	A systematic approach to the synthesis and design of flexible site utility systems. Chemical Engineering Science, 2005, 60, 4431-4451.	3.8	47
6	Agent-based intelligent system development for decision support in chemical process industry. Expert Systems With Applications, 2009, 36, 11099-11107.	7.6	37
7	Cradle-to-gate assessment of environmental impacts for a broad set of biomass-to-product process chains. International Journal of Life Cycle Assessment, 2017, 22, 1418-1440.	4.7	20
8	New generation tools for multiphase reaction systems: A validated systematic methodology for novelty and design automation. Computers and Chemical Engineering, 1998, 22, S119-S126.	3.8	18
9	Environmental impact assessment of biomass process chains at early design stages using decision trees. International Journal of Life Cycle Assessment, 2019, 24, 1675-1700.	4.7	14
10	Modeling and Analysis of Coal-Based Lurgi Gasification for LNG and Methanol Coproduction Process. Processes, 2019, 7, 688.	2.8	13
11	Semantically enabled process synthesis and optimisation. Computers and Chemical Engineering, 2016, 93, 64-86.	3.8	11
12	Digitizing sustainable process development: From ex-post to ex-ante LCA using machine-learning to evaluate bio-based process technologies ahead of detailed design. Chemical Engineering Science, 2022, 250, 117339.	3.8	11
13	A method for quick capital cost estimation of biorefineries beyond the state of the art. Biofuels, Bioproducts and Biorefining, 2020, 14, 1061-1088.	3.7	10
14	Predictive LCA - a systems approach to integrate LCA decisions ahead of design. Computer Aided Chemical Engineering, 2019, 46, 97-102.	0.5	6
15	Semantically-enabled Formalisation to Support and Automate the Application of Industrial Symbiosis. Computer Aided Chemical Engineering, 2012, 31, 1055-1059.	0.5	5
16	Structural and economic analysis of Industrial Symbiosis networks: a hybrid approach to assess investment opportunities. Computer Aided Chemical Engineering, 2016, 38, 1617-1622.	0.5	4
17	Targeting and synthesis of single-impurity total water systems using coordinated transhipment models. Clean Technologies and Environmental Policy, 2018, 20, 271-289.	4.1	4
18	Group contribution-based <scp>LCA</scp> models to enable screening for environmentally benign novel chemicals in <scp>CAMD</scp> applications. AICHE Journal, 2022, 68, .	3.6	4

#	Article	IF	Citations
19	A PROTOTYPE GRID FRAMEWORK FOR THE CHEMICAL PROCESS INDUSTRIES. Chemical Engineering Communications, 2005, 192, 1258-1271.	2.6	3
20	Design of Circular Economy Plants â€" The Case of the Textile Waste Biorefinery. Computer Aided Chemical Engineering, 2017, 40, 1933-1938.	0.5	2
21	Scheduling crude oil blending and tanks inventory control under CDU demand uncertainty: A receding horizon approach. , 2014, , .		1
22	Value Chain Synthesis in Algae Biorefineries under Uncertainty. Computer Aided Chemical Engineering, 2020, 48, 829-834.	0.5	1
23	Identify Optimal Designs Using Stochastic Optimisation of Reaction-Separation Process Supermodels. Chemie-Ingenieur-Technik, 2001, 73, 622-623.	0.8	0
24	Agent-enabled dynamic management system for process plants. Computer Aided Chemical Engineering, 2006, , 1759-1764.	0.5	0
25	A Optimisation Algorithm with Data Analysis and Control Platform. , 2011, , .		0
26	On the Development of Optimal Process Design Knowledge Using Semantic Models. , 2009, , 831-840.		0