Patricia M Hoch

List of Publications by Year
in descending order

24 papers	199 citations	1307594 7 h-index	1058476 14 g-index
25 all docs	25 docs citations	25 times ranked	239 citing authors

#	Article	IF	Citations
1	Catalytic conversion of furfural from pyrolysis of sunflower seed hulls for producing bio-based furfuryl alcohol. Journal of Cleaner Production, 2018, 178, 237-246.	9.3	40
2	Synthesis of Value Added Product Processes from Residual Biomass. Computer Aided Chemical Engineering, 2018, , 397-402.	0.5	3
3	MINLP Wastewater Stabilisation Ponds Synthesis using Rigorous Models under Different Scenarios. Computer Aided Chemical Engineering, 2016, , 2103-2108.	0.5	1
4	Wastewater Stabilization Ponds System: Parametric and Dynamic Global Sensitivity Analysis. Industrial & Engineering Chemistry Research, 2016, 55, 11403-11416.	3.7	2
5	Dynamic global sensitivity analysis in bioreactor networks for bioethanol production. Bioresource Technology, 2016, 200, 666-679.	9.6	7
6	Design of Optimal Reactive Distillation Processes for ETBE Production using Rigorous Thermodynamic Models. Computer Aided Chemical Engineering, 2014, , 1591-1596.	0.5	1
7	Optimal Control Strategies for Wastewater Stabilization Ponds. Computer Aided Chemical Engineering, 2014, , 1657-1662.	0.5	0
8	Biological Wastewater Treatment. Computer Aided Chemical Engineering, 2012, 30, 212-216.	0.5	6
9	Reactive distillation processes used as unique operation or finishing stage. Computer Aided Chemical Engineering, 2012, 30, 732-736.	0.5	0
10	Global sensitivity analysis in bioreactor networks. Computer Aided Chemical Engineering, 2011, 29, 1436-1440.	0.5	1
11	Dynamic optimization of an Intensive Energetically Integrated Large-Scale Process. Computer Aided Chemical Engineering, 2010, 28, 469-474.	0.5	1
12	Systematic generation of a CAPE-OPEN compliant simulation module from GAMS and FORTRAN models. Chemical Engineering Research and Design, 2010, 88, 421-429.	5.6	3
13	How To Improve the Model Partitioning in a DSS for Instrumentation Design. Industrial & Engineering Chemistry Research, 2009, 48, 3513-3525.	3.7	1
14	MP4SO: A Model-Partitioning Software for Simulation and Optimization. Computer Aided Chemical Engineering, 2009, , 471-476.	0.5	0
15	Conceptual Design and Simulation Tools Applied to the Evolutionary Optimization of a Bioethanol Purification Plant. Industrial & Engineering Chemistry Research, 2008, 47, 7381-7389.	3.7	20
16	Optimisation of a bio-ethanol purification process using conceptual design and simulation tools. Computer Aided Chemical Engineering, 2008, 25, 235-240.	0.5	0
17	Design of Membrane Modules Used in Hybrid Distillation/Pervaporation Systems. Industrial & Engineering Chemistry Research, 2004, 43, 3403-3412.	3.7	21
18	Optimisation of azeotropic distillation columns combined with pervaporation membranes. Computers and Chemical Engineering, 2002, 26, 563-573.	3.8	49

#	Article	IF	Citations
19	Analysis of azeotropic distillation columns combined with pervaporation membranes. Computer Aided Chemical Engineering, 2001, 9, 387-392.	0.5	0
20	Unconstrained optimisation for the design of distillation columns. Computers and Chemical Engineering, 1999, 23, S475-S478.	3.8	1
21	Flexibility analysis leads to a sizing strategy in distillation columns. Computers and Chemical Engineering, 1996, 20, S139-S144.	3.8	13
22	Flexibility analysis of an ethylene plant. Computers and Chemical Engineering, 1996, 20, S443-S448.	3.8	9
23	Optimal operation of an ethylene plant at variable feed conditions. Computers and Chemical Engineering, 1995, 19, 223-228.	3.8	14
24	Evaluation of design flexibility in distillation columns using rigorous models. Computers and Chemical Engineering, 1995, 19, 669-674.	3.8	6