

# Karlene A Hoo

## List of Publications by Year in descending order

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21  
papers

375  
citations

1040056

9  
h-index

1125743

13  
g-index

21  
all docs

21  
docs citations

21  
times ranked

258  
citing authors

#	ARTICLE	IF	CITATIONS
1	AN EXOTHERMIC CONTINUOUS STIRRED TANK REACTOR IS FEEDBACK EQUIVALENT TO A LINEAR SYSTEM. Chemical Engineering Communications, 1985, 37, 1-10.	2.6	112
2	LINEAR FEEDBACK EQUIVALENCE AND CONTROL OF AN UNSTABLE BIOLOGICAL REACTOR. Chemical Engineering Communications, 1986, 46, 385-399.	2.6	77
3	Model-Based Closed-Loop Control of the Hydraulic Fracturing Process. Industrial & Engineering Chemistry Research, 2015, 54, 1585-1594.	3.7	40
4	Stability analysis for closed-loop management of a reservoir based on identification of reduced-order nonlinear model. Systems Science and Control Engineering, 2013, 1, 12-19.	3.1	28
5	Multiple Model-Based Control of the Tennessee~Eastman Process. Industrial & Engineering Chemistry Research, 2005, 44, 3187-3202.	3.7	26
6	Non-linearity measures for a class of SISO non-linear systems. International Journal of Control, 2000, 73, 29-37.	1.9	22
7	Effective fault detection and isolation using bond graph-based domain decomposition. Computers and Chemical Engineering, 2011, 35, 132-148.	3.8	20
8	Parameter estimation of a proton-exchange membrane fuel cell using voltage~current data. Chemical Engineering Science, 2000, 55, 2237-2247.	3.8	14
9	Hierarchical multivariate analysis of cockle phenomena. Journal of Chemometrics, 2003, 17, 550-568.	1.3	10
10	Model parameter uncertainty updates to achieve optimal management of a reservoir. Control Engineering Practice, 2012, 20, 1042-1057.	5.5	8
11	Uncertainty propagation for effective reduced-order model generation. Computers and Chemical Engineering, 2010, 34, 1597-1605.	3.8	7
12	Modeling and Control Studies of an Integrated Biological Wastewater Treatment System. , 0, , .		3
13	A thermodynamic criterion for the nonsingularity of vapor-liquid equilibria in distillation processes. Chemical Engineering Science, 1985, 40, 1788-1790.	3.8	2
14	Process Control for Advanced Life Support, Biological Test Bed. , 2006, , .		2
15	Control of an Integrated Biological Wastewater Treatment System. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	2
16	Uncertainty propagation for efficient model-based control solutions. , 2010, , .		2
17	State-shared model for multiple-input multiple-output systems. Journal of Control Theory and Applications, 2005, 3, 348-356.	0.8	0
18	System Engineering and Integration of Controls for Advanced Life Support. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
19	Designing an Optimum Controller for a Spray Drying Process that Produces Micro-particles. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	0
20	Effective fault detection & isolation using bond graph-based Domain decomposition. , 2009, , .		0
21	Application of partial least square regression in uncertainty study area. , 2011, , .		0