

# Raymond A Wright

## List of Publications by Year in descending order

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29  
papers

850  
citations

687220

13  
h-index

642610

23  
g-index

29  
all docs

29  
docs citations

29  
times ranked

354  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deadtime compensation for nonlinear processes. <i>AIChE Journal</i> , 1989, 35, 1535-1542.	1.8	136
2	Nonlinear control of pH processes using the strong acid equivalent. <i>Industrial &amp; Engineering Chemistry Research</i> , 1991, 30, 1561-1572.	1.8	133
3	Nonlinear observer design in the presence of delayed output measurements. <i>Systems and Control Letters</i> , 2005, 54, 877-886.	1.3	114
4	Nonminimum-phase compensation for nonlinear processes. <i>AIChE Journal</i> , 1992, 38, 26-40.	1.8	73
5	Nonlinear controllers for trajectory tracking in batch processes. <i>Computers and Chemical Engineering</i> , 1989, 13, 73-82.	2.0	61
6	Output feedback control of nonminimum-phase nonlinear processes. <i>Chemical Engineering Science</i> , 1994, 49, 2107-2122.	1.9	60
7	Strong acid equivalent control of pH processes: an experimental study. <i>Industrial &amp; Engineering Chemistry Research</i> , 1991, 30, 2437-2444.	1.8	48
8	Nonlinear Observer Design for Process Monitoring. <i>Industrial &amp; Engineering Chemistry Research</i> , 2000, 39, 408-419.	1.8	46
9	On-line identification and nonlinear control of an industrial pH process. <i>Journal of Process Control</i> , 2001, 11, 361-374.	1.7	40
10	On-Line Identification and Nonlinear Control of pH Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , 1998, 37, 2446-2461.	1.8	25
11	Optimal controller tuning for nonlinear processes. <i>Automatica</i> , 2005, 41, 79-86.	3.0	19
12	Nonlinear observer design for the slow states of a singularly perturbed system. <i>Computers and Chemical Engineering</i> , 2005, 29, 797-806.	2.0	16
13	Model-based synthesis of nonlinear PI and PID controllers. <i>AIChE Journal</i> , 2001, 47, 1805-1818.	1.8	14
14	Two-degree-of-freedom output feedback controllers for discrete-time nonlinear systems. <i>Chemical Engineering Science</i> , 2006, 61, 4676-4688.	1.9	14
15	Two-degree-of-freedom output feedback controllers for nonlinear processes. <i>Chemical Engineering Science</i> , 2005, 60, 4323-4336.	1.9	12
16	Nonlinear pH Control in a CSTR. , 1989, , .		10
17	Nonlinear decoupling control in the presence of sensor and actuator deadtimes. <i>Chemical Engineering Science</i> , 2003, 58, 3243-3256.	1.9	6
18	Control of an Industrial pH Process using the Strong Acid Equivalent. , 1992, , .		5

#	ARTICLE	IF	CITATIONS
19	Dynamically equivalent outputs and their use in nonlinear controller synthesis. Chemical Engineering Science, 1993, 48, 3207-3223.	1.9	3
20	On the Nonlinear Dynamic State Reconstruction Problem for Chemical/Biochemical Reaction Systems in the Presence of Model Uncertainty. Journal of Mathematical Chemistry, 2004, 36, 169-190.	0.7	3
21	Two-Degree-of-Freedom Multirate Controllers for Nonlinear Processes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 95-100.	0.4	3
22	Robust Deadtime Compensation for Nonlinear Processes. , 1988, , .		2
23	pH Control in the Presence of Precipitation Equilibria. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1995, 28, 445-450.	0.4	2
24	Model-based synthesis of nonlinear PI and PID controllers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 5929-5934.	0.4	2
25	A notion of set-based control and its application to robust deadtime compensation. Chemical Engineering Science, 1998, 53, 2299-2318.	1.9	1
26	Digital condition monitoring of complex (bio)chemical reaction systems in the presence of model uncertainty: Application to environmental hazard monitoring. Journal of Loss Prevention in the Process Industries, 2009, 22, 710-720.	1.7	1
27	pH CONTROL IN THE PRESENCE OF PRECIPITATION EQUILIBRIA. , 1995, , 445-450.		1
28	OPTIMAL CONTROLLER TUNING FOR NONLINEAR PROCESSES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 453-458.	0.4	0
29	Nonlinear decoupling with deadtime compensation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 53-58.	0.4	0