

# Mohammad Shahrokhi

## List of Publications by Year in Descending Order

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**Version:** 2024-04-24

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43  
papers

496  
citations

13  
h-index

20  
g-index

45  
ext. papers

653  
ext. citations

4.3  
avg, IF

4.35  
L-index

#	Paper	IF	Citations
43	Fault-tolerant adaptive fractional controller design for incommensurate fractional-order nonlinear dynamic systems subject to input and output restrictions. <i>Chaos, Solitons and Fractals</i> , <b>2022</b> , 157, 111930	9.3	0
42	Adaptive fixed-time consensus control for a class of non-strict feedback multi-agent systems subject to input nonlinearities, state constraints, unknown control directions, and actuator faults. <i>European Journal of Control</i> , <b>2022</b> , 100649	2.5	1
41	Multicomponent nanoparticles as means to improve anaerobic digestion performance. <i>Chemosphere</i> , <b>2021</b> , 283, 131277	8.4	4
40	Observer-based adaptive fuzzy controller for uncertain non-strict state-delayed nonlinear systems subject to input and output constraints. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 7483-7514	4	4
39	Adaptive synchronization of two different uncertain chaotic systems with unknown dead-zone input nonlinearities. <i>JVC/Journal of Vibration and Control</i> , <b>2020</b> , 26, 1956-1968	2	10
38	Adaptive finite-time neural control of non-strict feedback systems subject to output constraint, unknown control direction, and input nonlinearities. <i>Information Sciences</i> , <b>2020</b> , 520, 271-291	7.7	14
37	Supervisory control of an anaerobic digester subject to drastic substrate changes. <i>Chemical Engineering Journal</i> , <b>2020</b> , 391, 123502	14.7	8
36	Adaptive finite-time fault-tolerant controller for a class of uncertain MIMO nonlinear switched systems subject to output constraints and unknown input nonlinearities. <i>Nonlinear Analysis: Hybrid Systems</i> , <b>2020</b> , 35, 100821	4.5	4
35	Effect of metal oxide based TiO <sub>2</sub> nanoparticles on anaerobic digestion process of lignocellulosic substrate. <i>Energy</i> , <b>2020</b> , 191, 116580	7.9	15
34	Observer-Based Impulsive Controller Design for Treatment of Hepatitis C Disease. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 19370-19382	3.9	1
33	Observer-based singularity free nonlinear controller for uncertain systems subject to input saturation. <i>European Journal of Control</i> , <b>2020</b> , 52, 49-58	2.5	5
32	Application of nano-structured materials in anaerobic digestion: Current status and perspectives. <i>Chemosphere</i> , <b>2019</b> , 229, 188-199	8.4	59
31	Adaptive Control Strategy for Treatment of Hepatitis C Infection. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 15262-15270	3.9	3
30	Optimal control of molecular weight and particle size distributions in a batch suspension polymerization reactor. <i>Iranian Polymer Journal (English Edition)</i> , <b>2019</b> , 28, 735-745	2.3	4
29	Adaptive Fuzzy decentralized control for a class of MIMO large-scale nonlinear state delay systems with unmodeled dynamics subject to unknown input saturation and infinite number of actuator failures. <i>Information Sciences</i> , <b>2019</b> , 475, 121-141	7.7	18
28	Adaptive prescribed performance control of switched MIMO uncertain nonlinear systems subject to unmodeled dynamics and input nonlinearities. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 5981-5996	3.6	21
27	Observer-based adaptive fuzzy controller for nonlinear systems with unknown control directions and input saturation. <i>Fuzzy Sets and Systems</i> , <b>2017</b> , 314, 24-45	3.7	38

26	Heat transfer enhancement of Fe <sub>3</sub> O <sub>4</sub> ferrofluids in the presence of magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 429, 314-323	2.8	34
25	Experimental investigation and process intensification of barium sulfate nanoparticles synthesis via a new double coaxial spinning disks reactor. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2017</b> , 115, 11-22	3.7	7
24	Observer-Based adaptive neural network controller for uncertain nonlinear systems with unknown control directions subject to input time delay and saturation. <i>Information Sciences</i> , <b>2017</b> , 418-419, 717-737	7.7	22
23	Model predictive control of blood sugar in patients with type-1 diabetes. <i>Optimal Control Applications and Methods</i> , <b>2016</b> , 37, 559-573	1.7	7
22	Theoretical and experimental investigations of the inverse emulsion polymerization of acrylamide. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	1
21	Observer-Based Output Feedback Linearization Control with Application to HIV Dynamics. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 2697-2708	3.9	5
20	SIMULATION AND CONTROL OF MULTIDIMENSIONAL CRYSTALLIZATION PROCESSES. <i>Chemical Engineering Communications</i> , <b>2014</b> , 201, 870-895	2.2	4
19	SOLUTION OF POPULATION BALANCE EQUATIONS IN EMULSION POLYMERIZATION USING METHOD OF MOMENTS. <i>Chemical Engineering Communications</i> , <b>2013</b> , 200, 20-49	2.2	5
18	Robust controller design for discrete unstable non-minimum-phase delayed stochastic processes. <i>International Journal of Control, Automation and Systems</i> , <b>2013</b> , 11, 893-902	2.9	1
17	Comparison between backstepping and input-output linearization techniques for pH process control. <i>Journal of Process Control</i> , <b>2012</b> , 22, 263-271	3.9	14
16	Adaptive output feedback tracking controller for a class of uncertain strict feedback nonlinear systems in the absence of state measurements. <i>International Journal of Systems Science</i> , <b>2012</b> , 43, 201-210	2.3	9
15	Characterization and kinetics study of the photochlorination of polyethylene. <i>Polymer Journal</i> , <b>2012</b> , 44, 973-977	2.7	5
14	Correlations for prediction of specific surface area and bulk and apparent densities of porous styrene-divinylbenzene copolymers. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 120, 1942-1949	2.9	5
13	Comparison of Dynamic and Static Performances of a Quaternary Distillation Sequence. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 6135-6143	3.9	1
12	Inferential closed-loop control of particle size and molecular weight distribution in emulsion polymerization of styrene. <i>Polymer Engineering and Science</i> , <b>2010</b> , 50, 2306-2320	2.3	3
11	Adaptive nonlinear control of pH neutralization processes using fuzzy approximators. <i>Control Engineering Practice</i> , <b>2009</b> , 17, 1329-1337	3.9	25
10	Multi-synchronization of chaos via linear output feedback strategy. <i>Journal of Computational and Applied Mathematics</i> , <b>2009</b> , 223, 842-852	2.4	12
9	Production of Chlorosulfonated Rubber from Postconsumer Polyethylene and Evaluation of Produced Rubber Properties. <i>Polymer-Plastics Technology and Engineering</i> , <b>2008</b> , 47, 508-514		1

8	Adaptive fuzzy approach for H <sub>∞</sub> temperature tracking control of continuous stirred tank reactors. <i>Control Engineering Practice</i> , <b>2008</b> , 16, 1101-1108	3.9	28
7	Adaptive synchronization of two different chaotic systems with time varying unknown parameters. <i>Chaos, Solitons and Fractals</i> , <b>2008</b> , 37, 125-136	9.3	44
6	Dual synchronization of chaotic systems via time-varying gain proportional feedback. <i>Chaos, Solitons and Fractals</i> , <b>2008</b> , 38, 1342-1348	9.3	13
5	Modeling and Control of a Naphtha Thermal Cracking Pilot Plant. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 3574-3582	3.9	15
4	Control of pH processes using fuzzy modeling of titration curve. <i>Fuzzy Sets and Systems</i> , <b>2006</b> , 157, 2983-3006	3.9	10
3	Nonlinear temperature control of a batch suspension polymerization reactor. <i>Polymer Engineering and Science</i> , <b>2002</b> , 42, 1296-1308	2.3	7
2	pH Control Using the Nonlinear Multiple Models, Switching, and Tuning Approach. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2000</b> , 39, 1311-1319	3.9	8
1	Adaptive asymptotic tracking control of uncertain fractional-order nonlinear systems with unknown quantized input and control directions subject to actuator failures. <i>JVC/Journal of Vibration and Control</i> , 107754632110177	2	1