

# Mohammad Shahrokhi

## List of Publications by Year in descending order

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45  
papers

773  
citations

566801

15  
h-index

552369

26  
g-index

45  
all docs

45  
docs citations

45  
times ranked

818  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of nano-structured materials in anaerobic digestion: Current status and perspectives. <i>Chemosphere</i> , 2019, 229, 188-199.	4.2	95
2	Adaptive synchronization of two different chaotic systems with time varying unknown parameters. <i>Chaos, Solitons and Fractals</i> , 2008, 37, 125-136.	2.5	59
3	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> , 2017, 429, 314-323.	1.0	52
4	Observer-based adaptive fuzzy controller for nonlinear systems with unknown control directions and input saturation. <i>Fuzzy Sets and Systems</i> , 2017, 314, 24-45.	1.6	46
5	Adaptive finite-time neural control of non-strict feedback systems subject to output constraint, unknown control direction, and input nonlinearities. <i>Information Sciences</i> , 2020, 520, 271-291.	4.0	44
6	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> , 2018, 28, 5981-5996.	2.1	37
7	Adaptive fuzzy approach for H <sub>∞</sub> temperature tracking control of continuous stirred tank reactors. <i>Control Engineering Practice</i> , 2008, 16, 1101-1108.	3.2	33
8	Adaptive nonlinear control of pH neutralization processes using fuzzy approximators. <i>Control Engineering Practice</i> , 2009, 17, 1329-1337.	3.2	33
9	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> , 2017, 418-419, 717-737.	4.0	33
10	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> , 2019, 475, 121-141.	4.0	28
11	Modeling and Control of a Naphtha Thermal Cracking Pilot Plant. <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 3574-3582.	1.8	25
12	Effect of metal oxide based TiO <sub>2</sub> nanoparticles on anaerobic digestion process of lignocellulosic substrate. <i>Energy</i> , 2020, 191, 116580.	4.5	25
13	Multicomponent nanoparticles as means to improve anaerobic digestion performance. <i>Chemosphere</i> , 2021, 283, 131277.	4.2	21
14	Control of pH processes using fuzzy modeling of titration curve. <i>Fuzzy Sets and Systems</i> , 2006, 157, 2983-3006.	1.6	16
15	Comparison between backstepping and input-output linearization techniques for pH process control. <i>Journal of Process Control</i> , 2012, 22, 263-271.	1.7	16
16	Dual synchronization of chaotic systems via time-varying gain proportional feedback. <i>Chaos, Solitons and Fractals</i> , 2008, 38, 1342-1348.	2.5	14
17	Multi-synchronization of chaos via linear output feedback strategy. <i>Journal of Computational and Applied Mathematics</i> , 2009, 223, 842-852.	1.1	13
18	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> , 2017, 115, 11-22.	1.8	13

#	ARTICLE	IF	CITATIONS
19	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> , 2020, 35, 100821.	2.1	12
20	Adaptive synchronization of two different uncertain chaotic systems with unknown dead-zone input nonlinearities. <i>JVC/Journal of Vibration and Control</i> , 2020, 26, 1956-1968.	1.5	12
21	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> , 2012, 43, 201-210.	3.7	11
22	Supervisory control of an anaerobic digester subject to drastic substrate changes. <i>Chemical Engineering Journal</i> , 2020, 391, 123502.	6.6	11
23	pH Control Using the Nonlinear Multiple Models, Switching, and Tuning Approach. <i>Industrial &amp; Engineering Chemistry Research</i> , 2000, 39, 1311-1319.	1.8	10
24	Model predictive control of blood sugar in patients with type-1 diabetes. <i>Optimal Control Applications and Methods</i> , 2016, 37, 559-573.	1.3	10
25	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> , 2022, 157, 111930.	2.5	10
26	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> , 2020, 357, 7483-7514.	1.9	9
27	Correlations for prediction of specific surface area and bulk and apparent densities of porous styrene-divinylbenzene copolymers. <i>Journal of Applied Polymer Science</i> , 2011, 120, 1942-1949.	1.3	8
28	Characterization and kinetics study of the photochlorination of polyethylene. <i>Polymer Journal</i> , 2012, 44, 973-977.	1.3	8
29	Nonlinear temperature control of a batch suspension polymerization reactor. <i>Polymer Engineering and Science</i> , 2002, 42, 1296-1308.	1.5	7
30	Observer-based singularity free nonlinear controller for uncertain systems subject to input saturation. <i>European Journal of Control</i> , 2020, 52, 49-58.	1.6	7
31	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> , 2022, 28, 2625-2641.	1.5	7
32	SOLUTION OF POPULATION BALANCE EQUATIONS IN EMULSION POLYMERIZATION USING METHOD OF MOMENTS. <i>Chemical Engineering Communications</i> , 2013, 200, 20-49.	1.5	6
33	Observer-Based Output Feedback Linearization Control with Application to HIV Dynamics. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 2697-2708.	1.8	6
34	Optimal control of molecular weight and particle size distributions in a batch suspension polymerization reactor. <i>Iranian Polymer Journal (English Edition)</i> , 2019, 28, 735-745.	1.3	6
35	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> , 2022, 66, 100649.	1.6	6
36	Adaptive Control Strategy for Treatment of Hepatitis C Infection. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 15262-15270.	1.8	5

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37	Inferential closed-loop control of particle size and molecular weight distribution in emulsion polymerization of styrene. <i>Polymer Engineering and Science</i> , 2010, 50, 2306-2320.	1.5	4
38	SIMULATION AND CONTROL OF MULTIDIMENSIONAL CRYSTALLIZATION PROCESSES. <i>Chemical Engineering Communications</i> , 2014, 201, 870-895.	1.5	4
39	Observer-Based Impulsive Controller Design for Treatment of Hepatitis C Disease. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 19370-19382.	1.8	4
40	Comparison of Dynamic and Static Performances of a Quaternary Distillation Sequence. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 6135-6143.	1.8	2
41	Theoretical and experimental investigations of the inverse emulsion polymerization of acrylamide. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	2
42	Production of Chlorosulfonated Rubber from Postconsumer Polyethylene and Evaluation of Produced Rubber Properties. <i>Polymer-Plastics Technology and Engineering</i> , 2008, 47, 508-514.	1.9	1
43	Robust controller design for discrete unstable non-minimum-phase delayed stochastic processes. <i>International Journal of Control, Automation and Systems</i> , 2013, 11, 893-902.	1.6	1
44	Observer-based controller for treatment of hepatitis C infection using fractional order model. <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 10689-10709.	1.2	1
45	Observer-based controller for nonaffine time-delayed systems subject to input nonlinearities, state constraints, and unknown control direction. <i>International Journal of Adaptive Control and Signal Processing</i> , 0, , .	2.3	0