

Mohammad Shahrokhi

List of Publications by Citations

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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	Application of nano-structured materials in anaerobic digestion: Current status and perspectives. <i>Chemosphere</i> , 2019 , 229, 188-199	8.4	59
42	Adaptive synchronization of two different chaotic systems with time varying unknown parameters. <i>Chaos, Solitons and Fractals</i> , 2008 , 37, 125-136	9.3	44
41	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	3.7	38
40	Heat transfer enhancement of Fe ₃ O ₄ ferrofluids in the presence of magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 429, 314-323	2.8	34
39	Adaptive fuzzy approach for H ₂ temperature tracking control of continuous stirred tank reactors. <i>Control Engineering Practice</i> , 2008 , 16, 1101-1108	3.9	28
38	Adaptive nonlinear control of pH neutralization processes using fuzzy approximators. <i>Control Engineering Practice</i> , 2009 , 17, 1329-1337	3.9	25
37	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	7.7	22
36	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	3.6	21
35	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	7.7	18
34	Modeling and Control of a Naphtha Thermal Cracking Pilot Plant. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 3574-3582	3.9	15
33	Effect of metal oxide based TiO ₂ nanoparticles on anaerobic digestion process of lignocellulosic substrate. <i>Energy</i> , 2020 , 191, 116580	7.9	15
32	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	7.7	14
31	Comparison between backstepping and input-output linearization techniques for pH process control. <i>Journal of Process Control</i> , 2012 , 22, 263-271	3.9	14
30	Dual synchronization of chaotic systems via time-varying gain proportional feedback. <i>Chaos, Solitons and Fractals</i> , 2008 , 38, 1342-1348	9.3	13
29	Multi-synchronization of chaos via linear output feedback strategy. <i>Journal of Computational and Applied Mathematics</i> , 2009 , 223, 842-852	2.4	12
28	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	2	10
27	Control of pH processes using fuzzy modeling of titration curve. <i>Fuzzy Sets and Systems</i> , 2006 , 157, 2983-3006	3.7	10

26	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	2.3	9
25	pH Control Using the Nonlinear Multiple Models, Switching, and Tuning Approach. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 1311-1319	3.9	8
24	Supervisory control of an anaerobic digester subject to drastic substrate changes. <i>Chemical Engineering Journal</i> , 2020 , 391, 123502	14.7	8
23	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	3.7	7
22	Nonlinear temperature control of a batch suspension polymerization reactor. <i>Polymer Engineering and Science</i> , 2002 , 42, 1296-1308	2.3	7
21	Model predictive control of blood sugar in patients with type-1 diabetes. <i>Optimal Control Applications and Methods</i> , 2016 , 37, 559-573	1.7	7
20	SOLUTION OF POPULATION BALANCE EQUATIONS IN EMULSION POLYMERIZATION USING METHOD OF MOMENTS. <i>Chemical Engineering Communications</i> , 2013 , 200, 20-49	2.2	5
19	Observer-Based Output Feedback Linearization Control with Application to HIV Dynamics. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 2697-2708	3.9	5
18	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	2.9	5
17	Characterization and kinetics study of the photochlorination of polyethylene. <i>Polymer Journal</i> , 2012 , 44, 973-977	2.7	5
16	Observer-based singularity free nonlinear controller for uncertain systems subject to input saturation. <i>European Journal of Control</i> , 2020 , 52, 49-58	2.5	5
15	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	4	4
14	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	2.3	4
13	SIMULATION AND CONTROL OF MULTIDIMENSIONAL CRYSTALLIZATION PROCESSES. <i>Chemical Engineering Communications</i> , 2014 , 201, 870-895	2.2	4
12	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	4.5	4
11	Multicomponent nanoparticles as means to improve anaerobic digestion performance. <i>Chemosphere</i> , 2021 , 283, 131277	8.4	4
10	Adaptive Control Strategy for Treatment of Hepatitis C Infection. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 15262-15270	3.9	3
9	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	2.3	3

8	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	2.9	1
7	Theoretical and experimental investigations of the inverse emulsion polymerization of acrylamide. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	1
6	Comparison of Dynamic and Static Performances of a Quaternary Distillation Sequence. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 6135-6143	3.9	1
5	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
4	Observer-Based Impulsive Controller Design for Treatment of Hepatitis C Disease. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 19370-19382	3.9	1
3	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
2	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 , 100649	2.5	1
1	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	9.3	0