

Mohammad Ali Mehrpouya

List of Publications by Year in descending order

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12
papers

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citations

1478505

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1281871

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120
citing authors

#	ARTICLE	IF	CITATIONS
1	The development of new comprehensive kinetic modeling for Fischer-Tropsch synthesis process over Co-Ru/ Al_2O_3 nano-catalyst in a fixed-bed reactor. Chemical Engineering Journal, 2016, 286, 416-426.	12.7	41
2	An efficient pseudospectral method for numerical solution of nonlinear singular initial and boundary value problems arising in astrophysics. Mathematical Methods in the Applied Sciences, 2016, 39, 3204-3214.	2.3	15
3	Effect of backup plate in drilling of composite laminates, analytical and experimental approaches. Thin-Walled Structures, 2019, 136, 323-332.	5.3	12
4	An efficient solution of hamiltonian boundary value problems by combined gauss pseudospectral method with differential continuation approach. Journal of the Franklin Institute, 2014, 351, 4765-4785.	3.4	10
5	A COMBINED ADAPTIVE CONTROL PARAMETRIZATION AND HOMOTOPY CONTINUATION TECHNIQUE FOR THE NUMERICAL SOLUTION OF BANG-BANG OPTIMAL CONTROL PROBLEMS. ANZIAM Journal, 2014, 56, 48-65.	0.2	6
6	A robust pseudospectral method for numerical solution of nonlinear optimal control problems. International Journal of Computer Mathematics, 2021, 98, 1146-1165.	1.8	6
7	A modified pseudospectral method for indirect solving a class of switching optimal control problems. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 1531-1542.	1.3	5
8	A modified control parametrization method for the numerical solution of bang-bang optimal control problems. JVC/Journal of Vibration and Control, 2015, 21, 2407-2415.	2.6	4
9	Transformed Legendre spectral method for solving infinite horizon optimal control problems. IMA Journal of Mathematical Control and Information, 0, , dnw051.	1.7	2
10	A design for a yoke to detect a notch on edge by using magnetic flux leakage method. European Physical Journal Plus, 2021, 136, 1.	2.6	2
11	Transformed orthogonal functions for solving infinite horizon fractional optimal control problems. European Journal of Control, 2021, 59, 13-28.	2.6	2
12	A numerical scheme based on the collocation and optimization methods for accurate solution of sensitive boundary value problems. European Physical Journal Plus, 2021, 136, 1.	2.6	0