Mehmet Çetin Koçak

List of Publications by Year
in descending order

13 papers	**65** citations	1684188 **5** h-index
15 all docs	**15** docs citations	**15** times ranked

1588992 **8** g-index
45 citing authors

#	Article	IF	Citations
1	Flash Vacuum Pyrolysis of Low Density Polyethylene in a Free-Fall Reactor. Polymer-Plastics Technology and Engineering, 2003, 42, 181-191.	1.9	11
2	A factorial experimental design for oxidative thermal decomposition of low-density polyethylene waste. Journal of Analytical and Applied Pyrolysis, 2004, 72, 309-315.	5.5	11
3	Simple geometry facilitates iterative solution of a nonlinear equation via a special transformation to accelerate convergence to third order. Journal of Computational and Applied Mathematics, 2008, 218, 350-363.	2.0	7
4	A class of iterative methods with third-order convergence to solve nonlinear equations. Journal of Computational and Applied Mathematics, 2008, 218, 290-306.	2.0	6
5	Simple, robust, and fast iterative solution of Underwood's equation for minimum reflux. Chemical Engineering Research and Design, 2011, 89, 197-205.	5.6	6
6	USE OF CYCLOHEXANE AS SOLVENT IN THERMAL DEGRADATION OF LOW DENSITY POLYETHYLENE WASTES. Polymer-Plastics Technology and Engineering, 2002, 41, 767-776.	1.9	5
7	Waste Plastic Pyrolysis in Free-Fall Reactors. , 2006, , 605-623.		5
8	Ostrowski's fourth-order iterative method speedily solves cubic equations of state. Journal of Computational and Applied Mathematics, 2011, 235, 4736-4741.	2.0	5
9	An Optimal Control Application to an Industrial Hydrogenation Reactor. Chemical Engineering Research and Design, 2000, 78, 630-632.	5.6	4
10	Use of Simulink's Non-Linear S-function to Simulate Feedback Temperature Control of a Heterogeneous Batch Reactor. Chemical Product and Process Modeling, 2009, 4, .	0.9	2
11	Second derivative of an iterative solver boosts its acceleration by Koçak's method. Applied Mathematics and Computation, 2011, 218, 893-898.	2.2	1
12	Koçak's method shows that an unwittingly exaggerated convergence order is in fact 2. Applied Mathematics and Computation, 2013, 219, 10053-10058.	2.2	1
13	Koçak's double linearization loop renders a one-point, one-go nonlinear equation solver. Applied Mathematics and Computation, 2014, 248, 494-502.	2.2	0