Burak Alakent

List of Publications by Year
in descending order

21 papers	222 citations

1163117

8 h-index	

1058476

14 g-index	

21 all docs	21 docs citations	21 times ranked	186 citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating adaptive moving window and just-in-time learning paradigms for soft-sensor design. Neurocomputing, 2020, 392, 23-37.	5.9	33
2	Alpha7 Helix Plays an Important Role in the Conformational Stability of PTP1B. Journal of Biomolecular Structure and Dynamics, 2011, 28, 675-693.	3.5	28
3	Application of time series analysis on molecular dynamics simulations of proteins: A study of different conformational spaces by principal component analysis. Journal of Chemical Physics, 2004, 121, 4759-4769.	3.0	22
4	Soft-sensor design via task transferred just-in-time-learning coupled transductive moving window learner. Journal of Process Control, 2021, 101, 52-67.	3.3	22
5	Soft sensor design using transductive moving window learner. Computers and Chemical Engineering, 2020, 140, 106941.	3.8	15
6	Online tuning of predictor weights for relevant data selection in just-in-time-learning. Chemometrics and Intelligent Laboratory Systems, 2020, 203, 104043.	3.5	14
7	Time series analysis of collective motions in proteins. Journal of Chemical Physics, 2004, 120, 1072-1088.	3.0	10
8	Effect of ligand binding on the intraminimum dynamics of proteins. Journal of Computational Chemistry, 2011, 32, 483-496.	3.3	10
9	Effect of Silane A-174 Modifications in the Structure, Chemistry, and Compressive Strength of PLA-HAP and PLA-β-TCP Biocomposites: Toward the Design of Polymer–Ceramic Implants with High Performance. ACS Applied Polymer Materials, 2021, 3, 2432-2446.	4.4	9
10	Hierarchical structure of the energy landscape of proteins revisited by time series analysis. II. Investigation of explicit solvent effects. Journal of Chemical Physics, 2005, 123, 144911.	3.0	8
11	Revisiting reweighted robust standard deviation estimators for univariate Shewhart S‐charts. Quality and Reliability Engineering International, 2019, 35, 995-1009.	2.3	8
12	Comparative Study on Factors Governing Binding Mechanisms in Polylactic Acid–Hydroxyapatite and Polyethylene–Hydroxyapatite Systems via Molecular Dynamics Simulations. Langmuir, 2020, 36, 1125-1137.	3.5	8
13	Hierarchical structure of the energy landscape of proteins revisited by time series analysis. I. Mimicking protein dynamics in different time scales. Journal of Chemical Physics, 2005, 123, 144910.	3.0	7
14	Effects of protonation state of Asp181 and position of active site water molecules on the conformation of PTP1B. Proteins: Structure, Function and Bioinformatics, 2013, 81, 788-804.	2.6	7
15	Frequency Response of a Protein to Local Conformational Perturbations. PLoS Computational Biology, 2013, 9, e1003238.	3.2	6
16	Implementation of Statistical Learning Methods to Develop Guidelines for the Design of PLA-Based Composites with High Tensile Strength Values. Industrial & Engineering Chemistry Research, 2019, 58, 3478-3489.	3.7	5
17	Exploratory and predictive logistic modeling of a ring spinning process using historical data. Textile Reseach Journal, 2017, 87, 1643-1654.	2.2	4
18	Soft-Sensor Design for a Crude Distillation Unit Using Statistical Learning Methods. Computer Aided Chemical Engineering, 2018, 44, 2269-2274.	0.5	4

#	Article	IF	Citations
19	An experimental and modeling study aiming to enhance the performance of OSR of a methane fuel processor via Box-Behnken design. Fuel Processing Technology, 2020, 205, 106451.	7.2	1
20	Functional Dynamics of Proteins Elucidated by Statistical Analysis of Simulation Data. Current Physical Chemistry, 2012, 2, 443-451.	0.2	1
21	Employing Adaptive Just-In-Time-Learning in a Transfer Learning Frame for Soft-Sensor Design. Computer Aided Chemical Engineering, 2021, 50, 913-918.	0.5	0