

Burak Alakent

List of Publications by Year in descending order

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21
papers

222
citations

1163117

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all docs

21
docs citations

21
times ranked

186
citing authors

#	ARTICLE	IF	CITATIONS
1	Employing Adaptive Just-In-Time-Learning in a Transfer Learning Frame for Soft-Sensor Design. <i>Computer Aided Chemical Engineering</i> , 2021, 50, 913-918.	0.5	0
2	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. <i>ACS Applied Polymer Materials</i> , 2021, 3, 2432-2446.	4.4	9
3	Soft-sensor design via task transferred just-in-time-learning coupled transductive moving window learner. <i>Journal of Process Control</i> , 2021, 101, 52-67.	3.3	22
4	Integrating adaptive moving window and just-in-time learning paradigms for soft-sensor design. <i>Neurocomputing</i> , 2020, 392, 23-37.	5.9	33
5	Soft sensor design using transductive moving window learner. <i>Computers and Chemical Engineering</i> , 2020, 140, 106941.	3.8	15
6	An experimental and modeling study aiming to enhance the performance of OSR of a methane fuel processor via Box-Behnken design. <i>Fuel Processing Technology</i> , 2020, 205, 106451.	7.2	1
7	Comparative Study on Factors Governing Binding Mechanisms in Poly(lactic Acid)-Hydroxyapatite and Poly(ethylene)-Hydroxyapatite Systems via Molecular Dynamics Simulations. <i>Langmuir</i> , 2020, 36, 1125-1137.	3.5	8
8	Online tuning of predictor weights for relevant data selection in just-in-time-learning. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 203, 104043.	3.5	14
9	Implementation of Statistical Learning Methods to Develop Guidelines for the Design of PLA-Based Composites with High Tensile Strength Values. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 3478-3489.	3.7	5
10	Revisiting reweighted robust standard deviation estimators for univariate Shewhart \bar{X} -charts. <i>Quality and Reliability Engineering International</i> , 2019, 35, 995-1009.	2.3	8
11	Soft-Sensor Design for a Crude Distillation Unit Using Statistical Learning Methods. <i>Computer Aided Chemical Engineering</i> , 2018, 44, 2269-2274.	0.5	4
12	Exploratory and predictive logistic modeling of a ring spinning process using historical data. <i>Textile Research Journal</i> , 2017, 87, 1643-1654.	2.2	4
13	Effects of protonation state of Asp181 and position of active site water molecules on the conformation of PTP1B. <i>Proteins: Structure, Function and Bioinformatics</i> , 2013, 81, 788-804.	2.6	7
14	Frequency Response of a Protein to Local Conformational Perturbations. <i>PLoS Computational Biology</i> , 2013, 9, e1003238.	3.2	6
15	Functional Dynamics of Proteins Elucidated by Statistical Analysis of Simulation Data. <i>Current Physical Chemistry</i> , 2012, 2, 443-451.	0.2	1
16	Alpha7 Helix Plays an Important Role in the Conformational Stability of PTP1B. <i>Journal of Biomolecular Structure and Dynamics</i> , 2011, 28, 675-693.	3.5	28
17	Effect of ligand binding on the intraminimum dynamics of proteins. <i>Journal of Computational Chemistry</i> , 2011, 32, 483-496.	3.3	10
18	Hierarchical structure of the energy landscape of proteins revisited by time series analysis. I. Mimicking protein dynamics in different time scales. <i>Journal of Chemical Physics</i> , 2005, 123, 144910.	3.0	7

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19	Hierarchical structure of the energy landscape of proteins revisited by time series analysis. II. Investigation of explicit solvent effects. <i>Journal of Chemical Physics</i> , 2005, 123, 144911.	3.0	8
20	Application of time series analysis on molecular dynamics simulations of proteins: A study of different conformational spaces by principal component analysis. <i>Journal of Chemical Physics</i> , 2004, 121, 4759-4769.	3.0	22
21	Time series analysis of collective motions in proteins. <i>Journal of Chemical Physics</i> , 2004, 120, 1072-1088.	3.0	10