Horia Florin Pop

List of Publications by Year
in descending order

33	462	687363 13	752698 20
papers	citations	h-index	g-index

33	33	33	341
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Principal component analysis versus fuzzy principal component analysisA case study: the quality of danube water (1985â€“1996). Talanta, 2005, 65, 1215-1220.	5.5	142
2	Robust Fuzzy Principal Component Analysis (FPCA). A Comparative Study Concerning Interaction of Carbonâ^'Hydrogen Bonds with Molybdenumâ^'Oxo Bonds. Journal of Chemical Information and Computer Sciences, 2002, 42, 1363-1369.	2.8	49
3	A New Fuzzy Regression Algorithm. Analytical Chemistry, 1996, 68, 771-778.	6.5	35
4	Structural Analysis of Transition Metal Î²-X Substituent Interactions. Toward the Use of Soft Computing Methods for Catalyst Modeling. Journal of Chemical Information and Computer Sciences, 2000, 40, 1052-1061.	2.8	27
5	A Fuzzy Classification of the Chemical ElementsâŠ¥. Journal of Chemical Information and Computer Sciences, 1996, 36, 465-482.	2.8	23
6	A Fuzzy Divisive Hierarchical Clustering Algorithm for the Optimal Choice of Sets of Solvent Systems. Analytical Letters, 1994, 27, 1031-1054.	1.8	21
7	A study of Roman pottery (terra sigillata) using hierarchical fuzzy clustering. Analytica Chimica Acta, 1995, 310, 269-279.	5.4	21
8	Fuzzy Soft-Computing Methods and Their Applications in Chemistry. Reviews in Computational Chemistry, 2004, , 249-331.	1.5	19
9	Classical and fuzzy principal component analysis of some environmental samples concerning the pollution with heavy metals. Chemometrics and Intelligent Laboratory Systems, 2009, 97, 25-32.	3.5	18
10	Fuzzy clustering analysis of the first 10 MEIC chemicals. Chemosphere, 2000, 40, 513-520.	8.2	16
11	A Fuzzy Cross-Classification of the Chemical Elements, Based on Their Physical, Chemical, and Structural Features. Journal of Chemical Information and Computer Sciences, 1996, 36, 1098-1108.	2.8	14
12	The Fuzzy Hierarchical Cross-Clustering Algorithm. Improvements and Comparative Study. Journal of Chemical Information and Computer Sciences, 1997, 37, 510-516.	2.8	14
13	Fuzzy hierarchical cross-classification of Greek muds. Journal of Chemical Information and Computer Sciences, 1995, 35, 851-857.	2.8	13
14	Fuzzy robust estimation of central location. Talanta, 2001, 54, 125-130.	5.5	9
15	GFBA: A Biclustering Algorithm for Discovering Value-Coherent Biclusters. , 2007, , 1-12.		8
16	Degenerate and non-degenerate convex decomposition of finite fuzzy partitions â€" I. Fuzzy Sets and Systems, 1995, 73, 365-376.	2.7	7
17	A New Component Selection Algorithm Based on Metrics and Fuzzy Clustering Analysis. Lecture Notes in Computer Science, 2009, , 621-628.	1.3	7
18	Degenerate and non-degenerate convex decomposition of finite fuzzy partitions (II). Fuzzy Sets and Systems, 1998, 96, 111-118.	2.7	5

#	Article	IF	Citations
19	Evolutionary Algorithms for the Component Selection Problem. , 2008, , .		5
20	Assessment of Heart Disease using Fuzzy Classification Techniques. Scientific World Journal, The, 2001, 1, 369-390.	2.1	4
21	Automatic configuration for the component selection problem. , 2008, , .		1
22	A Formal Model for Component-Based System Assessment. , 2010, , .		1
23	Principal Component Analysis for Computation of the Magnetization Characteristics of Synchronous Reluctance Machine. , 2018, , .		1
24	Characterization and classification of medicinal plant extracts according to their antioxidant activity using high-performance liquid chromatography and multivariate analysis. Studia Universitatis Babes-Bolyai Chemia, 2020, 65, 71-82.	0.2	1
25	Mineral waters classification using fuzzy linear discriminant analysis. Studia Universitatis Babes-Bolyai Chemia, 2020, 65, 45-56.	0.2	1
26	Robust Fuzzy Principal Component Analysis (FPCA). A Comparative Study Concerning Interaction of Carbonâ€"Hydrogen Bonds with Molybdenumâ€"Oxo Bonds.. ChemInform, 2003, 34, no.	0.0	0
27	Applications of Principal Components Methods. , 2008, , .		0
28	Improving Similarity Join Algorithms Using Fuzzy Clustering Technique. , 2009, , .		0
29	A Comparison Study of Similarity Measures in Rough Sets Clustering. , 2019, , .		0
30	On Zero Determinant Matrices that are Full. Mathematica Pannonica, 2021, , .	0.0	0
31	Jacobsons Lemma fails for nil-clean 2 Ã— 2 integral matrices. Analele Stiintifice Ale Universitatii Ovidius Constanta, Seria Matematica, 2020, 28, 83-88.	0.3	0
32	A Tutorial on Object-Oriented Functional Programming. Lecture Notes in Computer Science, 2008, , 228-249.	1.3	0
33	On idempotent stable range 1 matrices. Special Matrices, 2022, 10, 251-257.	0.5	0