Burcu Tunga

List of Publications by Year
in descending order

22 papers	151 citations	1478505 6 h-index	1199594 12 g-index
23 all docs	23 docs citations	23 times ranked	32 citing authors

#	Article	IF	Citations
1	Hyperspectral image denoising with enhanced multivariance product representation. Signal, Image and Video Processing, 2022, 16, 1127-1133.	2.7	1
2	A novel method for multispectral image pansharpening based on high dimensional model representation. Expert Systems With Applications, 2021, 170, 114512.	7.6	11
3	A hybrid algorithm with cluster analysis in modelling high dimensional data. Discrete Applied Mathematics, 2018, 235, 161-168.	0.9	3
4	Digital image decomposition and contrast enhancement using high-dimensional model representation. Signal, Image and Video Processing, 2018, 12, 299-306.	2.7	16
5	License Plate Recognition System by Using High Dimensional Model Representation. , 2018, , .		0
6	High dimensional model representation (HDMR) with clustering for image retrieval. AIP Conference Proceedings, 2017, , .	0.4	4
7	Separate multinode ascending derivatives expansion (Demiralp's SMADE): Basis polynomials. AIP Conference Proceedings, 2015, , .	0.4	2
8	Weight optimization in HDMR with perturbation expansion method. Journal of Mathematical Chemistry, 2015, 53, 2155-2171.	1.5	1
9	Logarithmic high dimensional model representation in image processing. , 2014, , .		0
10	A novel piecewise multivariate function approximation method via universal matrix representation. Journal of Mathematical Chemistry, 2013, 51, 1784-1801.	1.5	13
11	A probabilistic evolution approach trilogy, part 3: temporal variation of state variable expectation values from Liouville equation perspective. Journal of Mathematical Chemistry, 2013, 51, 1198-1210.	1.5	18
12	Probabilistic evolutions in classical dynamics: Conicalization and block triangularization of Lennard-Jones systems. , 2012, , .		4
13	A novel approximation method for multivariate data partitioning. Engineering Computations, 2012, 29, 743-765.	1.4	6
14	Hybrid HDMR method with an optimized hybridity parameter in multivariate function representation. Journal of Mathematical Chemistry, 2012, 50, 2223-2238.	1.5	2
15	Support function influences on the univariance of the enhanced multivariance product representation. , 2012, , .		2
16	Basic Issues in Vector High Dimensional Model Representation. , 2011, , .		0
17	Fluctuation free multivariate integration based logarithmic HDMR in multivariate function representation. Journal of Mathematical Chemistry, 2011, 49, 894-909.	1.5	5
18	Constancy maximization based weight optimization in high dimensional model representation for multivariate functions. Journal of Mathematical Chemistry, 2011, 49, 1996-2012.	1.5	6

#	Article	IF	Citations
19	The influence of the support functions on the quality of enhanced multivariance product representation. Journal of Mathematical Chemistry, 2010, 48, 827-840.	1.5	32
20	Constancy maximization based weight optimization in high dimensional model representation. Numerical Algorithms, 2009, 52, 435-459.	1.9	19
21	Fluctuationlessness Approximation Based Multivariate Integration in Hybrid High Dimensional Model Representation. , 2008, , .		5
22	Optimally Controlled Dynamics of One Dimensional Harmonic Oscillator: Linear Dipole Function and Quadratic Penalty. Applied Numerical Analysis and Computational Mathematics, 2004, 1, 242-250.	0.6	1