

# Burcu Tunga

## List of Publications by Year in descending order

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Version: 2024-02-01

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	The influence of the support functions on the quality of enhanced multivariate product representation. <i>Journal of Mathematical Chemistry</i> , 2010, 48, 827-840.	1.5	32
2	Constancy maximization based weight optimization in high dimensional model representation. <i>Numerical Algorithms</i> , 2009, 52, 435-459.	1.9	19
3	A probabilistic evolution approach trilogy, part 3: temporal variation of state variable expectation values from Liouville equation perspective. <i>Journal of Mathematical Chemistry</i> , 2013, 51, 1198-1210.	1.5	18
4	Digital image decomposition and contrast enhancement using high-dimensional model representation. <i>Signal, Image and Video Processing</i> , 2018, 12, 299-306.	2.7	16
5	A novel piecewise multivariate function approximation method via universal matrix representation. <i>Journal of Mathematical Chemistry</i> , 2013, 51, 1784-1801.	1.5	13
6	A novel method for multispectral image pansharpener based on high dimensional model representation. <i>Expert Systems With Applications</i> , 2021, 170, 114512.	7.6	11
7	Constancy maximization based weight optimization in high dimensional model representation for multivariate functions. <i>Journal of Mathematical Chemistry</i> , 2011, 49, 1996-2012.	1.5	6
8	A novel approximation method for multivariate data partitioning. <i>Engineering Computations</i> , 2012, 29, 743-765.	1.4	6
9	Fluctuationlessness Approximation Based Multivariate Integration in Hybrid High Dimensional Model Representation. , 2008, , .		5
10	Fluctuation free multivariate integration based logarithmic HDMR in multivariate function representation. <i>Journal of Mathematical Chemistry</i> , 2011, 49, 894-909.	1.5	5
11	Probabilistic evolutions in classical dynamics: Conicalization and block triangularization of Lennard-Jones systems. , 2012, , .		4
12	High dimensional model representation (HDMR) with clustering for image retrieval. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	4
13	A hybrid algorithm with cluster analysis in modelling high dimensional data. <i>Discrete Applied Mathematics</i> , 2018, 235, 161-168.	0.9	3
14	Hybrid HDMR method with an optimized hybridity parameter in multivariate function representation. <i>Journal of Mathematical Chemistry</i> , 2012, 50, 2223-2238.	1.5	2
15	Support function influences on the univariate of the enhanced multivariate product representation. , 2012, , .		2
16	Separate multinode ascending derivatives expansion (Demiralp's SMADE): Basis polynomials. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	2
17	Optimally Controlled Dynamics of One Dimensional Harmonic Oscillator: Linear Dipole Function and Quadratic Penalty. <i>Applied Numerical Analysis and Computational Mathematics</i> , 2004, 1, 242-250.	0.6	1
18	Weight optimization in HDMR with perturbation expansion method. <i>Journal of Mathematical Chemistry</i> , 2015, 53, 2155-2171.	1.5	1

#	ARTICLE	IF	CITATIONS
19	Hyperspectral image denoising with enhanced multivariate product representation. Signal, Image and Video Processing, 2022, 16, 1127-1133.	2.7	1
20	Basic Issues in Vector High Dimensional Model Representation. , 2011, , .		0
21	Logarithmic high dimensional model representation in image processing. , 2014, , .		0
22	License Plate Recognition System by Using High Dimensional Model Representation. , 2018, , .		0