

Gautam Dasgupta

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

811
citations

1039406

9
h-index

887659

17
g-index

20
all docs

20
docs citations

20
times ranked

527
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Characterization and Frictional Energy Dissipation Characteristics of Deep Granite Under High Stress Conditions. <i>Rock Mechanics and Rock Engineering</i> , 2019, 52, 1577-1589.	2.6	11
2	Taigâ€™s Quadrilateral Elements. , 2018, , 103-120.		0
3	Analytical Integration within Polyhedra. <i>Journal of Aerospace Engineering</i> , 2015, 28, 04014141.	0.8	1
4	Pushover analysis of underground structures: Method and application. <i>Science China Technological Sciences</i> , 2014, 57, 423-437.	2.0	50
5	Locking-free compressible quadrilateral finite elements: Poissonâ€™s ratio-dependent vector interpolants. <i>Acta Mechanica</i> , 2014, 225, 309-330.	1.1	9
6	Incompressible and locking-free finite elements from Rayleigh mode vectors: quadratic polynomial displacement fields. <i>Acta Mechanica</i> , 2012, 223, 1645-1656.	1.1	8
7	Basis functions for concave polygons. <i>Computers and Mathematics With Applications</i> , 2008, 56, 459-468.	1.4	18
8	Stochastic shape functions and stochastic strainâ€™ displacement matrix for a stochastic finite element stiffness matrix. <i>Acta Mechanica</i> , 2008, 195, 379-395.	1.1	7
9	Closed-Form Isoparametric Shape Functions of Four-Node Convex Finite Elements. <i>Journal of Aerospace Engineering</i> , 2008, 21, 10-18.	0.8	5
10	Stiffness Matrices of Isoparametric Four-Node Finite Elements by Exact Analytical Integration. <i>Journal of Aerospace Engineering</i> , 2008, 21, 45-50.	0.8	5
11	Smooth Two-Dimensional Interpolations: A Recipe for All Polygons. <i>Journal of Graphics Tools</i> , 2005, 10, 27-39.	0.5	33
12	Shape functions for polygonal domains with interior nodes. <i>International Journal for Numerical Methods in Engineering</i> , 2004, 61, 1153-1172.	1.5	30
13	Interpolations for temperature distributions: a method for all non-concave polygons. <i>International Journal of Solids and Structures</i> , 2004, 41, 2165-2188.	1.3	33
14	Interpolants within Convex Polygons: Wachspressâ€™ Shape Functions. <i>Journal of Aerospace Engineering</i> , 2003, 16, 1-8.	0.8	81
15	Integration within Polygonal Finite Elements. <i>Journal of Aerospace Engineering</i> , 2003, 16, 9-18.	0.8	82
16	Green's function for random media. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'uan</i> , 2000, 23, 377-384.	0.6	1
17	Neumann Expansion for Stochastic Finite Element Analysis. <i>Journal of Engineering Mechanics - ASCE</i> , 1988, 114, 1335-1354.	1.6	432
18	Evaluation of added mass by a cloning algorithm. <i>International Journal for Numerical Methods in Engineering</i> , 1985, 21, 1157-1164.	1.5	1

#	ARTICLE	IF	CITATIONS
19	Analysis of Localized Dynamic Contact on Structures Using Matched Asymptotic Expansions. Journal of Structural Mechanics, 1978, 6, 29-44.	0.7	0