

Kv Nagaraja

List of Publications by Year in descending order

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20
papers

185
citations

1040056

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#	ARTICLE	IF	CITATIONS
1	Investigation of aerodynamic characteristics of NACA0012 airfoil design using parabolic arcs. <i>Materials Today: Proceedings</i> , 2022, 59, 203-207.	1.8	2
2	Finite element analysis over transmission region of coronavirus in CFD analysis for the respiratory cough droplets. <i>Ain Shams Engineering Journal</i> , 2022, 13, 101766.	6.1	2
3	MATLAB automated higher-order tetrahedral mesh generator for CAD geometries and a finite element application with the subparametric mappings. <i>Materials Today: Proceedings</i> , 2021, 42, 330-342.	1.8	2
4	An automated higher order meshing for NACA0018 airfoil design using subparametric transformation. <i>Materials Today: Proceedings</i> , 2021, 46, 4634-4639.	1.8	2
5	Automated high-order curved mesh generator with high-level dynamic programming language julia for photonic applications. <i>Materials Today: Proceedings</i> , 2021, 46, 4553-4558.	1.8	0
6	An efficient automated higher-order finite element computation technique using parabolic arcs for planar and multiply-connected energy problems. <i>Energy</i> , 2019, 183, 996-1011.	8.8	15
7	Accurate higher order automated unstructured triangular meshes for airfoil designs in aerospace applications using parabolic arcs. <i>Aerospace Science and Technology</i> , 2019, 88, 405-420.	4.8	13
8	Application of automated cubic-order mesh generation for efficient energy transfer using parabolic arcs for microwave problems. <i>Energy</i> , 2019, 168, 1104-1118.	8.8	15
9	MATLAB 2D higher-order triangle mesh generator with finite element applications using subparametric transformations. <i>Advances in Engineering Software</i> , 2018, 115, 327-356.	3.8	20
10	Automated Mesh Generation Using Curved Cubic Triangular Elements for a Circular Domain with a Finite Element Implementation. <i>Materials Today: Proceedings</i> , 2018, 5, 25203-25211.	1.8	1
11	Numerical Integration over Three-Dimensional Regions Bounded by One or More Circular Edges. <i>Procedia Engineering</i> , 2015, 127, 347-353.	1.2	1
12	A General and Effective Numerical Integration Method to Evaluate Triple Integrals Using Generalized Gaussian Quadrature. <i>Procedia Engineering</i> , 2015, 127, 1041-1047.	1.2	7
13	Finite Element Solution of Darcy-Brinkman Equation for Irregular Cross-Section Flow Channel Using Curved Triangular Elements. <i>Procedia Engineering</i> , 2015, 127, 301-308.	1.2	2
14	Advantages of cubic arcs for approximating curved boundaries by subparametric transformations for some higher order triangular elements. <i>Applied Mathematics and Computation</i> , 2013, 219, 6893-6910.	2.2	11
15	Generalized Gaussian quadrature rules over two-dimensional regions with linear sides. <i>Applied Mathematics and Computation</i> , 2011, 217, 5612-5621.	2.2	19
16	The use of parabolic arcs in matching curved boundaries by point transformations for some higher order triangular elements. <i>Finite Elements in Analysis and Design</i> , 2008, 44, 920-932.	3.2	27
17	Symmetric Gauss Legendre quadrature formulas for composite numerical integration over a triangular surface. <i>Applied Mathematics and Computation</i> , 2007, 188, 865-876.	2.2	23
18	On the application of two symmetric Gauss Legendre quadrature rules for composite numerical integration over a triangular surface. <i>Applied Mathematics and Computation</i> , 2007, 190, 21-39.	2.2	5

#	ARTICLE	IF	CITATIONS
19	Gauss Legendreâ€“Gauss Jacobi quadrature rules over a tetrahedral region. Applied Mathematics and Computation, 2007, 190, 186-194.	2.2	12
20	Numerical integration of some functions over an arbitrary linear tetrahedra in Euclidean three-dimensional space. Applied Mathematics and Computation, 2007, 191, 397-409.	2.2	6