

Sutthisak Phongthanapanich

List of Publications by Year in descending order

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papers

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docs citations

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times ranked

169
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Delaunay triangulation with object-oriented programming for crack propagation analysis. <i>Finite Elements in Analysis and Design</i> , 2004, 40, 1753-1771.	3.2	70
2	Investigation on thermal efficiency of LPG cooking burner using computational fluid dynamics. <i>Energy</i> , 2020, 203, 117849.	8.8	22
3	Solving convection-diffusion-reaction equation by adaptive finite volume element method. <i>Mathematics and Computers in Simulation</i> , 2011, 82, 220-233.	4.4	16
4	Healing of shock instability for Roe's flux-difference splitting scheme on triangular meshes. <i>International Journal for Numerical Methods in Fluids</i> , 2009, 59, 559-575.	1.6	13
5	Combined finite volume element method for singularly perturbed reaction-diffusion problems. <i>Applied Mathematics and Computation</i> , 2009, 209, 177-185.	2.2	13
6	EasyFEM—An object-oriented graphics interface finite element/finite volume software. <i>Advances in Engineering Software</i> , 2006, 37, 797-804.	3.8	11
7	An accurate and robust AUSM-family scheme on two-dimensional triangular grids. <i>Shock Waves</i> , 2019, 29, 755-768.	1.9	11
8	Modified Multidimensional Dissipation Scheme on Unstructured Meshes for High-speed Compressible Flow Analysis. <i>International Journal of Computational Fluid Dynamics</i> , 2004, 18, 631-640.	1.2	9
9	Finite volume element method for analysis of unsteady reaction-diffusion problems. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2009, 25, 481-489.	3.4	9
10	A modified multidimensional dissipation technique for AUSM ⁺ on triangular grids. <i>International Journal of Computational Fluid Dynamics</i> , 2015, 29, 1-11.	1.2	9
11	Combined Delaunay triangulation and adaptive finite element method for crack growth analysis. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2003, 19, 162-171.	3.4	7
12	Combined finite volume and finite element method for convection-diffusion-reaction equation. <i>Journal of Mechanical Science and Technology</i> , 2009, 23, 790-801.	1.5	7
13	Healing of the Carbuncle Phenomenon for AUSMDV Scheme on Triangular Grids. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2016, 17, 15-28.	1.0	7
14	A parameter-free AUSM-based scheme for healing carbuncle phenomenon. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2016, 38, 691-701.	1.6	7
15	Nodeless variable finite element method for heat transfer analysis by means of flux-based formulation and mesh adaptation. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2006, 22, 138-147.	3.4	6
16	A CHARACTERISTIC-BASED FINITE VOLUME ELEMENT METHOD FOR CONVECTION-DIFFUSION-REACTION EQUATION. <i>Transactions of the Canadian Society for Mechanical Engineering</i> , 2008, 32, 549-560.	0.8	6
17	Numerical investigation on the influences of swirling flow to thermal efficiency enhancement of an LPG-energy saving burner. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101466.	5.7	6
18	Combined adaptive meshing technique and characteristic-based split algorithm for viscous incompressible flow analysis. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2007, 28, 1163-1172.	3.6	5

#	ARTICLE	IF	CITATIONS
19	MIXED ENTROPY FIX METHOD FOR ROE'S FLUX-DIFFERENCE SPLITTING SCHEME WITH AUTOMATIC MESH ADAPTATION. Transactions of the Canadian Society for Mechanical Engineering, 2004, 28, 531-550.	0.8	4
20	EVALUATION OF COMBINED DELAUNAY TRIANGULATION AND REMESHING FOR FINITE ELEMENT ANALYSIS OF CONDUCTIVE HEAT TRANSFER. Transactions of the Canadian Society for Mechanical Engineering, 2004, 27, 319-339.	0.8	4
21	Finite volume method for convection-diffusion-reaction equation on triangular meshes. International Journal for Numerical Methods in Biomedical Engineering, 2010, 26, 716-727.	2.1	4
22	MULTIDIMENSIONAL DISSIPATION TECHNIQUE FOR AN AUSM SCHEME ON TRIANGULAR GRIDS. Transactions of the Canadian Society for Mechanical Engineering, 2015, 39, 307-321.	0.8	4
23	A stable hybrid Roe scheme on triangular grids. International Journal for Numerical Methods in Fluids, 2021, 93, 978-1000.	1.6	4
24	J-integral calculation by domain integral technique using adaptive finite element method. Structural Engineering and Mechanics, 2008, 28, 461-477.	1.0	4
25	Adaptive delaunay triangulation with multidimensional dissipation scheme for high-speed compressible flow analysis. Applied Mathematics and Mechanics (English Edition), 2005, 26, 1341-1356.	3.6	3
26	Explicit characteristic finite volume method for convection-diffusion equation on rectangular grids. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an, 2011, 34, 239-252.	1.1	3
27	An explicit characteristic finite volume element method for non-divergence free convection-diffusion-reaction equation. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2012, 4, 179-192.	1.1	3
28	Multidimensional Dissipation Technique for Roe's Flux-Difference Splitting Scheme on Triangular Meshes. International Journal of Nonlinear Sciences and Numerical Simulation, 2006, 7, .	1.0	2
29	Adaptive nodeless variable finite elements with flux-based formulation for thermal-structural analysis. Acta Mechanica Sinica/Lixue Xuebao, 2008, 24, 181-188.	3.4	2
30	Explicit characteristic-based finite volume element method for level set equation. International Journal for Numerical Methods in Fluids, 2011, 67, 899-913.	1.6	2
31	Combined adaptive meshing technique and finite volume element method for solving convection-diffusion equation. Japan Journal of Industrial and Applied Mathematics, 2013, 30, 185-202.	0.9	2
32	An educational software suite for comprehensive learning of Computer-Aided Engineering. Computer Applications in Engineering Education, 2020, 28, 1083-1109.	3.4	2
33	A Comparison of the Roe's FDS, HLLC, AUFS, and AUSMDV+ Schemes on Triangular Grids. Applied Science and Engineering Progress, 2019, 12, .	0.8	2
34	An improvement of the AUSMDV+ scheme on unstructured grids. Shock Waves, 2021, 31, 901-927.	1.9	2
35	Nodeless variable finite element method for stress analysis using flux-based formulation. Journal of Mechanical Science and Technology, 2008, 22, 639-646.	1.5	1
36	An explicit finite volume element method for solving characteristic level set equation on triangular grids. Acta Mechanica Sinica/Lixue Xuebao, 2011, 27, 911-921.	3.4	1

#	ARTICLE	IF	CITATIONS
37	An accuracy comparison of piecewise linear reconstruction techniques for the characteristic finite volume method for two-dimensional convection-diffusion equation. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 0, , e201900245.	1.6	1
38	Adaptive finite elements by Delaunay triangulation for fracture analysis of cracks. Structural Engineering and Mechanics, 2003, 15, 563-578.	1.0	1
39	IMPROVED NUMERICAL SOLUTION ACCURACY OF POISSON'S EQUATION BY ADAPTIVE NODELESS VARIABLE FINITE ELEMENTS WITH FLUX-BASED FORMULATION. Transactions of the Canadian Society for Mechanical Engineering, 2008, 32, 23-42.	0.8	0