

# Sutthisak Phongthanapanich

## List of Publications by Year in descending order

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39  
papers

285  
citations

1040056

9  
h-index

996975

15  
g-index

39  
all docs

39  
docs citations

39  
times ranked

169  
citing authors

#	ARTICLE	IF	CITATIONS
1	A stable hybrid Roe scheme on triangular grids. International Journal for Numerical Methods in Fluids, 2021, 93, 978-1000.	1.6	4
2	Numerical investigation on the influences of swirling flow to thermal efficiency enhancement of an LPG-energy saving burner. Case Studies in Thermal Engineering, 2021, 28, 101466.	5.7	6
3	An improvement of the AUSMDV <sup>+</sup> scheme on unstructured grids. Shock Waves, 2021, 31, 901-927.	1.9	2
4	Investigation on thermal efficiency of LPG cooking burner using computational fluid dynamics. Energy, 2020, 203, 117849.	8.8	22
5	An educational software suite for comprehensive learning of Computer-Aided Engineering. Computer Applications in Engineering Education, 2020, 28, 1083-1109.	3.4	2
6	An accurate and robust AUSM-family scheme on two-dimensional triangular grids. Shock Waves, 2019, 29, 755-768.	1.9	11
7	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
8	Healing of the Carbuncle Phenomenon for AUSMDV Scheme on Triangular Grids. International Journal of Nonlinear Sciences and Numerical Simulation, 2016, 17, 15-28.	1.0	7
9	A parameter-free AUSM-based scheme for healing carbuncle phenomenon. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 691-701.	1.6	7
10	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
11	A modified multidimensional dissipation technique for AUSM <sup>+</sup> on triangular grids. International Journal of Computational Fluid Dynamics, 2015, 29, 1-11.	1.2	9
12	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
13	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
14	Solving convection-diffusion-reaction equation by adaptive finite volume element method. Mathematics and Computers in Simulation, 2011, 82, 220-233.	4.4	16
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Healing of shock instability for Roe's flux-difference splitting scheme on triangular meshes. International Journal for Numerical Methods in Fluids, 2009, 59, 559-575.	1.6	13
20	Finite volume element method for analysis of unsteady reaction-diffusion problems. Acta Mechanica Sinica/Lixue Xuebao, 2009, 25, 481-489.	3.4	9
21	Combined finite volume and finite element method for convection-diffusion-reaction equation. Journal of Mechanical Science and Technology, 2009, 23, 790-801.	1.5	7
22	Combined finite volume element method for singularly perturbed reaction-diffusion problems. Applied Mathematics and Computation, 2009, 209, 177-185.	2.2	13
23	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
24	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
25	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
26	A CHARACTERISTIC-BASED FINITE VOLUME ELEMENT METHOD FOR CONVECTION-DIFFUSION-REACTION EQUATION. Transactions of the Canadian Society for Mechanical Engineering, 2008, 32, 549-560.	0.8	6
27	J-integral calculation by domain integral technique using adaptive finite element method. Structural Engineering and Mechanics, 2008, 28, 461-477.	1.0	4
28	Combined adaptive meshing technique and characteristic-based split algorithm for viscous incompressible flow analysis. Applied Mathematics and Mechanics (English Edition), 2007, 28, 1163-1172.	3.6	5
29	EasyFEM-An object-oriented graphics interface finite element/finite volume software. Advances in Engineering Software, 2006, 37, 797-804.	3.8	11
30	Nodeless variable finite element method for heat transfer analysis by means of flux-based formulation and mesh adaptation. Acta Mechanica Sinica/Lixue Xuebao, 2006, 22, 138-147.	3.4	6
31	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
32	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
33	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
34	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
35	Modified Multidimensional Dissipation Scheme on Unstructured Meshes for High-speed Compressible Flow Analysis. International Journal of Computational Fluid Dynamics, 2004, 18, 631-640.	1.2	9
36	Adaptive Delaunay triangulation with object-oriented programming for crack propagation analysis. Finite Elements in Analysis and Design, 2004, 40, 1753-1771.	3.2	70

#	ARTICLE	IF	CITATIONS
37	Combined Delaunay triangulation and adaptive finite element method for crack growth analysis. Acta Mechanica Sinica/Lixue Xuebao, 2003, 19, 162-171.	3.4	7
38	Adaptive finite elements by Delaunay triangulation for fracture analysis of cracks. Structural Engineering and Mechanics, 2003, 15, 563-578.	1.0	1
39	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