

# pierre Sagaut

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4208061/pierre-sagaut-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

332  
papers

9,455  
citations

52  
h-index

85  
g-index

362  
ext. papers

10,965  
ext. citations

3.3  
avg, IF

6.68  
L-index

#	Paper	IF	Citations
332	Hydrodynamic limits and numerical errors of isothermal lattice Boltzmann schemes. <i>Journal of Computational Physics</i> , <b>2022</b> , 450, 110858	4.1	5
331	Restoring the conservativity of characteristic-based segregated models: Application to the hybrid lattice Boltzmann method. <i>Physics of Fluids</i> , <b>2022</b> , 34, 046102	4.4	
330	Large eddy simulation of a thermal impinging jet using the lattice Boltzmann method. <i>Physics of Fluids</i> , <b>2022</b> , 34, 055115	4.4	0
329	A theoretical analysis of mass leakage at boundaries within the lattice Boltzmann method. <i>Physics of Fluids</i> , <b>2022</b> , 34, 065113	4.4	1
328	Large-eddy lattice-Boltzmann modeling of transonic flows. <i>Physics of Fluids</i> , <b>2021</b> , 33, 115112	4.4	3
327	Large temperature difference heat dominated flow simulations using a pressure-based lattice Boltzmann method with mass correction. <i>Physics of Fluids</i> , <b>2021</b> , 33, 116107	4.4	1
326	Hybrid lattice Boltzmann model for atmospheric flows under anelastic approximation. <i>Physics of Fluids</i> , <b>2021</b> , 33, 036607	4.4	3
325	A new linear forcing method for isotropic turbulence with controlled integral length scale. <i>Physics of Fluids</i> , <b>2021</b> , 33, 045127	4.4	2
324	On the use of conservative formulation of energy equation in hybrid compressible lattice Boltzmann method. <i>Computers and Fluids</i> , <b>2021</b> , 219, 104866	2.8	2
323	Improved compressible hybrid lattice Boltzmann method on standard lattice for subsonic and supersonic flows. <i>Computers and Fluids</i> , <b>2021</b> , 219, 104867	2.8	18
322	Explicit wall models for large eddy simulation. <i>Physics of Fluids</i> , <b>2021</b> , 33, 041703	4.4	3
321	Lattice-Boltzmann-based large-eddy simulation of high-rise building aerodynamics with inlet turbulence reconstruction. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2021</b> , 212, 104560	3.7	7
320	A lattice Boltzmann direct coupling overset approach for the moving boundary problem. <i>Physics of Fluids</i> , <b>2021</b> , 33, 053607	4.4	2
319	A hybrid recursive regularized lattice Boltzmann model with overset grids for rotating geometries. <i>Physics of Fluids</i> , <b>2021</b> , 33, 057113	4.4	5
318	Lattice Boltzmann Method-Based Simulations of Pollutant Dispersion and Urban Physics. <i>Atmosphere</i> , <b>2021</b> , 12, 833	2.7	0
317	Compressible pressure-based Lattice-Boltzmann applied to humid air with phase change. <i>Applied Thermal Engineering</i> , <b>2021</b> , 191, 116868	5.8	4
316	A New Explicit Algebraic Wall Model for LES of Turbulent Flows Under Adverse Pressure Gradient. <i>Flow, Turbulence and Combustion</i> , <b>2021</b> , 106, 1-35	2.5	10

315	Coupling of turbulence wall models and immersed boundaries on Cartesian grids. <i>Journal of Computational Physics</i> , <b>2021</b> , 429, 109995	4.1	10
314	ProLB: A Lattice Boltzmann Solver of Large-Eddy Simulation for Atmospheric Boundary Layer Flows. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2021</b> , 13, e2020MS002107	7.1	5
313	A unified hybrid lattice-Boltzmann method for compressible flows: Bridging between pressure-based and density-based methods. <i>Physics of Fluids</i> , <b>2021</b> , 33, 086101	4.4	5
312	Immersed boundary conditions for moving objects in turbulent flows with the lattice-Boltzmann method. <i>Physics of Fluids</i> , <b>2021</b> , 33, 095101	4.4	6
311	Improved wall model treatment for aerodynamic flows in LBM. <i>Computers and Fluids</i> , <b>2021</b> , 227, 105041	2.8	3
310	A Finite Element Penalized Direct Forcing Immersed Boundary Method for infinitely thin obstacles in a dilatable flow. <i>Computers and Mathematics With Applications</i> , <b>2021</b> , 99, 292-304	2.7	0
309	A multidisciplinary model coupling Lattice-Boltzmann-based CFD and a Social Force Model for the simulation of pollutant dispersion in evacuation situations. <i>Building and Environment</i> , <b>2021</b> , 205, 108212	6.5	3
308	Lattice Boltzmann method for computational aeroacoustics on non-uniform meshes: A direct grid coupling approach. <i>Journal of Computational Physics</i> , <b>2021</b> , 447, 110667	4.1	8
307	A linear stability analysis of compressible hybrid lattice Boltzmann methods. <i>Journal of Computational Physics</i> , <b>2021</b> , 446, 110649	4.1	6
306	Improved standard thermal lattice Boltzmann model with hybrid recursive regularization for compressible laminar and turbulent flows. <i>Physics of Fluids</i> , <b>2020</b> , 32, 126108	4.4	9
305	A pressure-based regularized lattice-Boltzmann method for the simulation of compressible flows. <i>Physics of Fluids</i> , <b>2020</b> , 32, 066106	4.4	23
304	Grid refinement in the three-dimensional hybrid recursive regularized lattice Boltzmann method for compressible aerodynamics. <i>Physical Review E</i> , <b>2020</b> , 101, 063302	2.4	6
303	Numerical investigation of skewed spatially evolving mixing layers. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 897,	3.7	1
302	Analysis and reduction of spurious noise generated at grid refinement interfaces with the lattice Boltzmann method. <i>Journal of Computational Physics</i> , <b>2020</b> , 418, 109645	4.1	14
301	Consistent vortex initialization for the athermal lattice Boltzmann method. <i>Physical Review E</i> , <b>2020</b> , 101, 043306	2.4	5
300	An efficient lattice Boltzmann method for compressible aerodynamics on D3Q19 lattice. <i>Journal of Computational Physics</i> , <b>2020</b> , 418, 109570	4.1	26
299	Toward fully conservative hybrid lattice Boltzmann methods for compressible flows. <i>Physics of Fluids</i> , <b>2020</b> , 32, 126118	4.4	11
298	Macroscopic model of fluid structure interaction in cylinder arrangement using theory of mixture. <i>Computers and Fluids</i> , <b>2020</b> , 202, 104499	2.8	1

297	Hybrid recursive regularized lattice Boltzmann simulation of humid air with application to meteorological flows. <i>Physical Review E</i> , <b>2019</b> , 100, 023304	2.4	19
296	Hybrid recursive regularized thermal lattice Boltzmann model for high subsonic compressible flows. <i>Journal of Computational Physics</i> , <b>2019</b> , 394, 82-99	4.1	54
295	Interaction of two-dimensional spots with a heat releasing/absorbing shock wave: linear interaction approximation results. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 871, 865-895	3.7	8
294	Shape Optimization Using the Adjoint Lattice Boltzmann Method for Aerodynamic Applications. <i>AIAA Journal</i> , <b>2019</b> , 57, 2758-2773	2.1	7
293	Uncertainty quantification for acoustic wave propagation in a shallow water environment. <i>Wave Motion</i> , <b>2019</b> , 91, 102390	1.8	2
292	3D global optimal forcing and response of the supersonic boundary layer. <i>Journal of Computational Physics</i> , <b>2019</b> , 398, 108888	4.1	5
291	Solid wall and open boundary conditions in hybrid recursive regularized lattice Boltzmann method for compressible flows. <i>Physics of Fluids</i> , <b>2019</b> , 31, 126103	4.4	18
290	An extended spectral analysis of the lattice Boltzmann method: modal interactions and stability issues. <i>Journal of Computational Physics</i> , <b>2019</b> , 380, 311-333	4.1	32
289	Lattice-Boltzmann large-eddy simulation of pollutant dispersion in complex urban environment with dense gas effect: Model evaluation and flow analysis. <i>Building and Environment</i> , <b>2019</b> , 148, 634-652	6.5	16
288	Sound-Source Localization in Range-Dependent Shallow-Water Environments Using a Four-Layer Model. <i>IEEE Journal of Oceanic Engineering</i> , <b>2019</b> , 44, 220-228	3.3	5
287	Incompressible Homogeneous Anisotropic Turbulence: With Strain <b>2018</b> , 403-437		
286	Isotropic Turbulence with Coupled Microstructures. II: Quantum Turbulence <b>2018</b> , 269-351		
285	Compressible Homogeneous Isotropic Turbulence <b>2018</b> , 621-689		
284	A Kriging-based elliptic extended anisotropic model for the turbulent boundary layer wall pressure spectrum. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 840, 25-55	3.7	8
283	Aerodynamic Data Predictions for Transonic Flows via a Machine-Learning-based Surrogate Model <b>2018</b> ,		2
282	Incompressible Homogeneous Isotropic Turbulence <b>2018</b> , 99-244		1
281	The Essentials of Linear and Nonlinear Theories and Models <b>2018</b> , 831-880		
280	Governing Equations, from Dynamics to Statistics <b>2018</b> , 13-73		1

279	Investigation of anomalous very fast decay regimes in homogeneous isotropic turbulence. <i>Journal of Turbulence</i> , <b>2018</b> , 19, 390-413	2.1	9
278	Reliability of Large-Eddy Simulations: Benchmarking and Uncertainty Quantification. <i>ERCFTAC Series</i> , <b>2018</b> , 15-23	0.1	2
277	Incompressible Homogeneous Anisotropic Turbulence: Buoyancy Force and Mean Stratification <b>2018</b> , 485-533		
276	Incompressible Homogeneous Anisotropic Turbulence: Pure Shear <b>2018</b> , 439-484		
275	Surrogate Modeling of Aerodynamic Simulations for Multiple Operating Conditions Using Machine Learning. <i>AIAA Journal</i> , <b>2018</b> , 56, 3622-3635	2.1	8
274	Regularized thermal lattice Boltzmann method for natural convection with large temperature differences. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 125, 1379-1391	4.9	24
273	Extended integral wall-model for large-eddy simulations of compressible wall-bounded turbulent flows. <i>Physics of Fluids</i> , <b>2018</b> , 30, 065106	4.4	10
272	Homogeneous Turbulence Dynamics <b>2018</b> ,		37
271	Lattice-Boltzmann Large-Eddy Simulation of pollutant dispersion in street canyons including tree planting effects. <i>Atmospheric Environment</i> , <b>2018</b> , 195, 89-103	5.3	20
270	A new hybrid recursive regularised Bhatnagar-Gross-Krook collision model for Lattice Boltzmann method-based large eddy simulation. <i>Journal of Turbulence</i> , <b>2018</b> , 19, 1051-1076	2.1	49
269	Wind comfort assessment by means of large eddy simulation with lattice Boltzmann method in full scale city area. <i>Building and Environment</i> , <b>2018</b> , 139, 110-124	6.5	41
268	Advanced spectral anisotropic modelling for shear flows. <i>Journal of Turbulence</i> , <b>2018</b> , 19, 570-599	2.1	3
267	An explicit power-law-based wall model for lattice Boltzmann method Reynolds-averaged numerical simulations of the flow around airfoils. <i>Physics of Fluids</i> , <b>2018</b> , 30, 065111	4.4	39
266	Shallow water sound source localization using the iterative beamforming method in an image framework. <i>Journal of Sound and Vibration</i> , <b>2017</b> , 395, 354-370	3.9	12
265	Revisiting the spectral analysis for high-order spectral discontinuous methods. <i>Journal of Computational Physics</i> , <b>2017</b> , 337, 379-402	4.1	26
264	Turbulence in a box: quantification of large-scale resolution effects in isotropic turbulence free decay. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 818, 697-715	3.7	13
263	Data assimilation-based reconstruction of urban pollutant release characteristics. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2017</b> , 169, 232-250	3.7	19
262	Turbulence Direct Numerical Simulation and Large-Eddy Simulation <b>2017</b> , 1-31		

261	Grid refinement for aeroacoustics in the lattice Boltzmann method: A directional splitting approach. <i>Physical Review E</i> , <b>2017</b> , 96, 023311	2.4	22
260	Global spectral analysis of three-time level integration schemes: Focusing phenomenon. <i>Computers and Fluids</i> , <b>2017</b> , 157, 182-195	2.8	5
259	Recursive regularization step for high-order lattice Boltzmann methods. <i>Physical Review E</i> , <b>2017</b> , 96, 033306	2.4	75
258	Optimal sensor placement for variational data assimilation of unsteady flows past a rotationally oscillating cylinder. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 823, 230-277	3.7	17
257	Acoustic multipole sources for the regularized lattice Boltzmann method: Comparison with multiple-relaxation-time models in the inviscid limit. <i>Physical Review E</i> , <b>2017</b> , 95, 063301	2.4	8
256	Non-classical/Exponential Decay Regimes in Multiscale Generated Isotropic Turbulence <b>2017</b> , 421-431		
255	Localization of random acoustic sources in an inhomogeneous medium. <i>Journal of Sound and Vibration</i> , <b>2016</b> , 384, 75-93	3.9	7
254	A hybrid anchored-ANOVA IPOD/Kriging method for uncertainty quantification in unsteady high-fidelity CFD simulations. <i>Journal of Computational Physics</i> , <b>2016</b> , 324, 137-173	4.1	25
253	Pseudo-homogeneous 1D RANS radial model for heat transfer in tubular packed beds. <i>International Journal of Heat and Fluid Flow</i> , <b>2016</b> , 62, 258-272	2.4	2
252	Decay and growth laws in homogeneous shear turbulence. <i>Journal of Turbulence</i> , <b>2016</b> , 17, 699-726	2.1	10
251	A compressible lattice Boltzmann finite volume model for high subsonic and transonic flows on regular lattices. <i>Computers and Fluids</i> , <b>2016</b> , 131, 45-55	2.8	28
250	Riblets Induced Drag Reduction on a Spatially Developing Turbulent Boundary Layer. <i>ERCOFTAC Series</i> , <b>2016</b> , 213-224	0.1	1
249	Structural stability of Lattice Boltzmann schemes. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2016</b> , 444, 1-8	3.3	3
248	Spectral Assessment of the Turbulent Convection Velocity in a Spatially Developing Flat Plate Turbulent Boundary Layer at Reynolds Number ( $Re_{\theta} = 13,000$ ). <i>ERCOFTAC Series</i> , <b>2016</b> , 379-389	0.1	
247	Friction drag reduction achievable by near-wall turbulence manipulation in spatially developing boundary-layer. <i>Physics of Fluids</i> , <b>2016</b> , 28, 035108	4.4	6
246	A spectral model for homogeneous shear-driven anisotropic turbulence in terms of spherically averaged descriptors. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 788, 147-182	3.7	28
245	Reconstruction of unsteady viscous flows using data assimilation schemes. <i>Journal of Computational Physics</i> , <b>2016</b> , 316, 255-280	4.1	47
244	Exact non local expression for the wall heat transfer coefficient in tubular catalytic reactors. <i>International Journal of Heat and Fluid Flow</i> , <b>2015</b> , 54, 97-106	2.4	7

243	Riblet Flow Model Based on an Extended FIK Identity. <i>Flow, Turbulence and Combustion</i> , <b>2015</b> , 95, 351-376	3.7	19
242	A three dimensional lattice model for thermal compressible flow on standard lattices. <i>Journal of Computational Physics</i> , <b>2015</b> , 303, 514-529	4.1	32
241	Passive scalar decay laws in isotropic turbulence: Prandtl number effects. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 784, 274-303	3.7	11
240	Sound source localization in a randomly inhomogeneous medium using matched statistical moment method. <i>Journal of the Acoustical Society of America</i> , <b>2015</b> , 138, 3896-906	2.2	8
239	Numerical investigation on the partial return to isotropy of freely decaying homogeneous axisymmetric turbulence. <i>Physics of Fluids</i> , <b>2014</b> , 26, 025110	4.4	14
238	Zonal detached eddy simulation (ZDES) of a spatially developing flat plate turbulent boundary layer over the Reynolds number range $3 \leq Re \leq 14\,000$ . <i>Physics of Fluids</i> , <b>2014</b> , 26, 025116	4.4	34
237	Low Mass-Damping Vortex-Induced Vibrations of a Single Cylinder at Moderate Reynolds Number. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , <b>2014</b> , 136, 0513051-513057	1.2	3
236	Is isotropic turbulence decay governed by asymptotic behavior of large scales? An eddy-damped quasi-normal Markovian-based data assimilation study. <i>Physics of Fluids</i> , <b>2014</b> , 26, 115105	4.4	18
235	Wall model for large-eddy simulation based on the lattice Boltzmann method. <i>Journal of Computational Physics</i> , <b>2014</b> , 275, 25-40	4.1	45
234	An adjoint-based lattice Boltzmann method for noise control problems. <i>Journal of Computational Physics</i> , <b>2014</b> , 276, 39-61	4.1	10
233	Epistemic uncertainties in RANS model free coefficients. <i>Computers and Fluids</i> , <b>2014</b> , 102, 315-335	2.8	29
232	An adaptive numerical method for solving EDQNM equations for the analysis of long-time decay of isotropic turbulence. <i>Journal of Computational Physics</i> , <b>2014</b> , 262, 72-85	4.1	4
231	An Uncertainty Quantification Analysis in a Simplified Problem of Urban Pollutant Dispersion by Means of ANOVA-POD/Kriging-Based Response Surfaces <b>2014</b> ,		2
230	On the emergence of non-classical decay regimes in multiscale/fractal generated isotropic turbulence. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 756, 816-843	3.7	12
229	Analysis of the absorbing layers for the weakly-compressible lattice Boltzmann methods. <i>Journal of Computational Physics</i> , <b>2013</b> , 245, 14-42	4.1	23
228	Further insights into self-similarity and self-preservation in freely decaying isotropic turbulence. <i>Journal of Turbulence</i> , <b>2013</b> , 14, 24-53	2.1	41
227	Flow over a flat plate with uniform inlet and incident coherent gusts. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 720, 457-485	3.7	24
226	An arbitrary Lagrangian-Eulerian approach for the simulation of immersed moving solids with Lattice Boltzmann Method. <i>Journal of Computational Physics</i> , <b>2013</b> , 235, 182-198	4.1	22

225	Pressure statistics in self-similar freely decaying isotropic turbulence. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 717,	3.7	17
224	Temperature dynamics in decaying isotropic turbulence with Joule heat production. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 724, 425-449	3.7	10
223	Localization of aeroacoustic sound sources in viscous flows by a time reversal method. <i>Journal of Sound and Vibration</i> , <b>2013</b> , 332, 3655-3669	3.9	14
222	Noise source identification with the lattice Boltzmann method. <i>Journal of the Acoustical Society of America</i> , <b>2013</b> , 133, 1293-305	2.2	10
221	Multiscale and Multiresolution Approaches in Turbulence <b>2013</b> ,		60
220	Consistent subgrid scale modelling for lattice Boltzmann methods. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 700, 514-542	3.7	56
219	On non-self-similar regimes in homogeneous isotropic turbulence decay. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 711, 364-393	3.7	38
218	Stochastic response of the laminar flow past a flat plate under uncertain inflow conditions. <i>International Journal of Computational Fluid Dynamics</i> , <b>2012</b> , 26, 101-117	1.2	16
217	Sensitivity analysis and determination of free relaxation parameters for the weakly-compressible MRT-IBM schemes. <i>Journal of Computational Physics</i> , <b>2012</b> , 231, 7335-7367	4.1	24
216	A lattice Boltzmann method for nonlinear disturbances around an arbitrary base flow. <i>Journal of Computational Physics</i> , <b>2012</b> , 231, 8070-8082	4.1	11
215	A Rapid Switch from RANS to WMLES for Spatially Developing Boundary Layers. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , <b>2012</b> , 147-156	0.3	5
214	Quantification of errors in large-eddy simulations of a spatially evolving mixing layer using polynomial chaos. <i>Physics of Fluids</i> , <b>2012</b> , 24, 035101	4.4	19
213	On sensitivity of RANS simulations to uncertain turbulent inflow conditions. <i>Computers and Fluids</i> , <b>2012</b> , 61, 2-5	2.8	17
212	Evaluation of the unsteady RANS capabilities for separated flows control. <i>Computers and Fluids</i> , <b>2012</b> , 61, 39-45	2.8	13
211	Time reversal method coupled to complex differentiation technique for the aeroacoustic source detection in viscous flow <b>2012</b> ,		1
210	Spectral approach to finite Reynolds number effects on Kolmogorov $4/5$ law in isotropic turbulence. <i>Physics of Fluids</i> , <b>2012</b> , 24, 015107	4.4	43
209	A compressible wall model for large-eddy simulation with application to prediction of aerothermal quantities. <i>Physics of Fluids</i> , <b>2012</b> , 24, 065103	4.4	35
208	On the eddy-wave crossover and bottleneck effect in He III-B superfluid turbulence. <i>Physics of Fluids</i> , <b>2012</b> , 24, 115109	4.4	2



207	Large eddy simulation of the flow around single and two side-by-side cylinders at subcritical Reynolds numbers. <i>Physics of Fluids</i> , <b>2011</b> , 23, 075101	4.4	83
206	Theoretical Prediction of Turbulent Skin Friction on Geometrically Complex Surfaces. <i>ERCOFTAC Series</i> , <b>2011</b> , 39-49	0.1	
205	Quantification of the effects of uncertainties in turbulent flows through generalized Polynomial Chaos. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 318, 042055	0.3	1
204	A stochastic view of isotropic turbulence decay. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 668, 351-362	3.7	26
203	A time-reversal lattice Boltzmann method. <i>Journal of Computational Physics</i> , <b>2011</b> , 230, 8155-8167	4.1	6
202	A dynamic forcing method for unsteady turbulent inflow conditions. <i>Journal of Computational Physics</i> , <b>2011</b> , 230, 8647-8663	4.1	42
201	Structural Stability of Discontinuous Galerkin Schemes. <i>Acta Applicandae Mathematicae</i> , <b>2011</b> , 113, 45-56	5.1	2
200	Opposition control with arrayed actuators in the near-wall region of a spatially developing turbulent boundary layer. <i>International Journal of Heat and Fluid Flow</i> , <b>2011</b> , 32, 621-630	2.4	4
199	Optimal low-dispersion low-dissipation LBM schemes for computational aeroacoustics. <i>Journal of Computational Physics</i> , <b>2011</b> , 230, 5353-5382	4.1	49
198	Magnetically induced flame flickering. <i>Proceedings of the Combustion Institute</i> , <b>2011</b> , 33, 1095-1103	5.9	22
197	Evolution analysis of the main mechanisms of the jet/vortex interaction. <i>International Journal for Numerical Methods in Fluids</i> , <b>2011</b> , 67, 1024-1046	1.9	1
196	Towards an adaptive POD/SVD surrogate model for aeronautic design. <i>Computers and Fluids</i> , <b>2011</b> , 40, 195-209	2.8	87
195	Effects of base flow uncertainty on Couette flow stability. <i>Computers and Fluids</i> , <b>2011</b> , 43, 82-89	2.8	6
194	Comparison of some Lie-symmetry-based integrators. <i>Journal of Computational Physics</i> , <b>2011</b> , 230, 2174-2188	4.188	17
193	Application of Lattice Boltzmann Method to sensitivity analysis via complex differentiation. <i>Journal of Computational Physics</i> , <b>2011</b> , 230, 5417-5429	4.1	5
192	Analysis of turbulent skin friction generated in flow along a cylinder. <i>Physics of Fluids</i> , <b>2011</b> , 23, 065106	4.4	10
191	Advanced large-eddy simulation for lattice Boltzmann methods: The approximate deconvolution model. <i>Physics of Fluids</i> , <b>2011</b> , 23, 105103	4.4	24
190	Spurious caustics of dispersion-relation-preserving schemes. <i>International Journal of Computer Mathematics</i> , <b>2011</b> , 88, 2625-2636	1.2	2

189	Is the Smagorinsky coefficient sensitive to uncertainty in the form of the energy spectrum?. <i>Physics of Fluids</i> , <b>2011</b> , 23, 125109	4.4	19
188	Large Eddy Simulation <b>2010</b> ,		1
187	A coupled time-reversal/complex differentiation method for aeroacoustic sensitivity analysis: towards a source detection procedure. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 642, 181-212	3.7	27
186	Comparison of Gradient-Based and Gradient-Enhanced Response-Surface-Based Optimizers. <i>AIAA Journal</i> , <b>2010</b> , 48, 981-994	2.1	48
185	Eddy damped quasinormal Markovian simulations of superfluid turbulence in helium II. <i>Physics of Fluids</i> , <b>2010</b> , 22, 125103	4.4	9
184	Coping with Uncertainty in Turbulent Flow Simulations <b>2010</b> , 317-344		
183	Using Multiobjective Evolutionary Algorithms and Data-Mining Methods to Optimize Ornithopters' Kinematics. <i>Journal of Aircraft</i> , <b>2010</b> , 47, 1504-1516	1.6	3
182	NARX Modeling and Adaptive Closed-Loop Control of a Separation by Synthetic Jet in Unsteady RANS computations <b>2010</b> ,		3
181	On the Control of Turbulent Axisymmetric Separating/Reattaching Flows Using Zonal Detached Eddy Simulation <b>2010</b> ,		1
180	Flow dynamics past a simplified wing body junction. <i>Physics of Fluids</i> , <b>2010</b> , 22, 115111	4.4	74
179	Large Eddy Simulation Study of Synthetic Jet Frequency and Amplitude Effects on a Rounded Step Separated Flow <b>2010</b> ,		7
178	Aerodynamic sound generation by global modes in hot jets. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 647, 473-489	3.9	11
177	Toward advanced subgrid models for Lattice-Boltzmann-based Large-eddy simulation: Theoretical formulations. <i>Computers and Mathematics With Applications</i> , <b>2010</b> , 59, 2194-2199	2.7	53
176	Meshless approach for wall treatment in Large-Eddy Simulation. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2010</b> , 199, 881-889	5.7	8
175	A gPC-based approach to uncertain transonic aerodynamics. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2010</b> , 199, 1091-1099	5.7	37
174	Curvilinear finite-volume schemes using high-order compact interpolation. <i>Journal of Computational Physics</i> , <b>2010</b> , 229, 5090-5122	4.1	36
173	On the Dynamics of High Reynolds Number Turbulent Axisymmetric and Plane Separating/Reattaching Flows. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , <b>2010</b> , 393-400	0.3	
172	Theoretical prediction of turbulent skin friction on geometrically complex surfaces. <i>Physics of Fluids</i> , <b>2009</b> , 21, 105105	4.4	41

171	Large Eddy Simulation of Impinging Shock Wave/Turbulent Boundary Layer Interaction at M = 2.3. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , <b>2009</b> , 443-456	0.3	
170	On the dynamics of axisymmetric turbulent separating/reattaching flows. <i>Physics of Fluids</i> , <b>2009</b> , 21, 075103	4.4	57
169	Large Eddy Simulation for Compressible Flows. <i>Scientific Computation</i> , <b>2009</b> ,	0.1	210
168	Quadratic stochastic estimation of far-field acoustic pressure with coherent structure events in a 2D compressible plane mixing layer. <i>International Journal for Numerical Methods in Fluids</i> , <b>2009</b> , 62, n/a-n/a	1.9	5
167	Structural stability of finite dispersion-relation preserving schemes. <i>Chaos, Solitons and Fractals</i> , <b>2009</b> , 41, 2193-2199	9.3	2
166	Pressure loss reduction in hydrogen pipelines by surface restructuring. <i>International Journal of Hydrogen Energy</i> , <b>2009</b> , 34, 8964-8973	6.7	27
165	Comparison between lattice Boltzmann method and Navier-Stokes high order schemes for computational aeroacoustics. <i>Journal of Computational Physics</i> , <b>2009</b> , 228, 1056-1070	4.1	198
164	Lattice Boltzmann method with selective viscosity filter. <i>Journal of Computational Physics</i> , <b>2009</b> , 228, 4478-4490	4.1	68
163	A new phase-screen method for electromagnetic wave propagation in turbulent flows using large-eddy simulation. <i>Journal of Computational Physics</i> , <b>2009</b> , 228, 7729-7741	4.1	2
162	Spurious solitons and structural stability of finite-difference schemes for non-linear wave equations. <i>Chaos, Solitons and Fractals</i> , <b>2009</b> , 41, 655-660	9.3	3
161	Lattice Boltzmann simulations of impedance tube flows. <i>Computers and Fluids</i> , <b>2009</b> , 38, 458-465	2.8	4
160	A linear dispersive mechanism for numerical error growth: spurious caustics. <i>European Journal of Mechanics, B/Fluids</i> , <b>2009</b> , 28, 146-151	2.4	8
159	Large eddy simulation for aerodynamics: status and perspectives. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2009</b> , 367, 2849-60	3	81
158	Contribution of Reynolds stress distribution to the skin friction in compressible turbulent channel flows. <i>Physical Review E</i> , <b>2009</b> , 79, 035301	2.4	29
157	Trajectory of an optical vortex in atmospheric turbulence. <i>Physical Review E</i> , <b>2009</b> , 80, 046609	2.4	13
156	Generation of synthetic turbulent inflow data for large eddy simulation of spatially evolving wall-bounded flows. <i>Physics of Fluids</i> , <b>2009</b> , 21, 045103	4.4	109
155	Compressible Turbulence Dynamics. <i>Scientific Computation</i> , <b>2009</b> , 41-76	0.1	
154	Coping with Uncertainty in Turbulent Flow Simulations <b>2009</b> , 19-30		

153	Building Efficient Response Surfaces of Aerodynamic Functions with Kriging and Cokriging. <i>AIAA Journal</i> , <b>2008</b> , 46, 498-507	2.1	148
152	Turbulent Drag Reduction Using Sinusoidal Riblets With Triangular Cross-Section <b>2008</b> ,		16
151	Zonal-Detached-Eddy-Simulation of a Two-Dimensional and Axisymmetric Separating/Reattaching Flow <b>2008</b> ,		4
150	Sensitivity of two-dimensional spatially developing mixing layers with respect to uncertain inflow conditions. <i>Physics of Fluids</i> , <b>2008</b> , 20, 077102	4.4	35
149	Sensitivity Analysis and Multiobjective Optimization for LES Numerical Parameters. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2008</b> , 130,	2.1	13
148	Inertial consistent subgrid model for large-eddy simulation based on the lattice Boltzmann method. <i>Physics of Fluids</i> , <b>2008</b> , 20, 035104	4.4	24
147	A study of time correlations in lattice Boltzmann-based large-eddy simulation of isotropic turbulence. <i>Physics of Fluids</i> , <b>2008</b> , 20, 035105	4.4	36
146	Special Issue of the Turbulence and Interaction 2006 Conference. <i>Flow, Turbulence and Combustion</i> , <b>2008</b> , 80, 1-2	2.5	
145	Unstructured Large Eddy Simulation of the passive control of the flow in a weapon bay. <i>Journal of Fluids and Structures</i> , <b>2008</b> , 24, 1204-1215	3.1	12
144	Numerical simulation of phase separation and a priori two-phase LES filtering. <i>Computers and Fluids</i> , <b>2008</b> , 37, 898-906	2.8	55
143	Uncertainty Modeling, Error Charts and Improvement of Subgrid Models <b>2008</b> , 37-44		1
142	Homogeneous Turbulence Dynamics <b>2008</b> ,		292
141	An Improvement of Opposition Control at High Reynolds Numbers. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , <b>2008</b> , 243-249	0.3	1
140	Numerical investigation of the tone noise mechanism over laminar airfoils. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 591, 155-182	3.7	160
139	Numerical simulation of the compressible mixing layer past an axisymmetric trailing edge. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 591, 215-253	3.7	86
138	Sensitivity analysis of large-eddy simulations to subgrid-scale-model parametric uncertainty using polynomial chaos. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 585, 255-279	3.7	72
137	Large-eddy simulation of a subsonic cavity flow including asymmetric three-dimensional effects. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 577, 105-126	3.7	51
136	Numerical simulation of active separation control by a synthetic jet. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 574, 25-58	3.7	150

135	Pseudo-characteristic formulation and dynamic boundary conditions for computational aeroacoustics. <i>International Journal for Numerical Methods in Fluids</i> , <b>2007</b> , 53, 201-227	1.9	10
134	Direct sensitivity analysis for smooth unsteady compressible flows using complex differentiation. <i>International Journal for Numerical Methods in Fluids</i> , <b>2007</b> , 53, 1863-1886	1.9	16
133	Stochastic design optimization: Application to reacting flows. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2007</b> , 196, 5047-5062	5.7	29
132	A surrogate-model based multidisciplinary shape optimization method with application to a 2D subsonic airfoil. <i>Computers and Fluids</i> , <b>2007</b> , 36, 520-529	2.8	77
131	Error dynamics: Beyond von Neumann analysis. <i>Journal of Computational Physics</i> , <b>2007</b> , 226, 1211-1218	4.1	77
130	A computational error-assessment of central finite-volume discretizations in large-eddy simulation using a Smagorinsky model. <i>Journal of Computational Physics</i> , <b>2007</b> , 227, 156-173	4.1	65
129	Temperature wall modelling for large-eddy simulation in a heated turbulent plane channel flow. <i>International Journal of Heat and Mass Transfer</i> , <b>2007</b> , 50, 4360-4370	4.9	9
128	Towards large eddy simulation of isothermal two-phase flows: Governing equations and a priori tests. <i>International Journal of Multiphase Flow</i> , <b>2007</b> , 33, 1-39	3.6	100
127	Commutation error in LES with time-dependent filter width. <i>Computers and Fluids</i> , <b>2007</b> , 36, 513-519	2.8	9
126	Is plane-channel flow a friendly case for the testing of large-eddy simulation subgrid-scale models?. <i>Physics of Fluids</i> , <b>2007</b> , 19, 048105	4.4	70
125	Response of a spatially developing turbulent boundary layer to active control strategies in the framework of opposition control. <i>Physics of Fluids</i> , <b>2007</b> , 19, 108102	4.4	36
124	Frequency selection in globally unstable round jets. <i>Physics of Fluids</i> , <b>2007</b> , 19, 054108	4.4	34
123	Evaluation of Smagorinsky variants in large-eddy simulations of wall-resolved plane channel flows. <i>Physics of Fluids</i> , <b>2007</b> , 19, 095105	4.4	25
122	Large-eddy simulation of very large kinetic and magnetic Reynolds number isotropic magnetohydrodynamic turbulence using a spectral subgrid model. <i>Physics of Fluids</i> , <b>2007</b> , 19, 048101	4.4	6
121	Subgrid-Scale Modeling: Issues and Approaches <b>2007</b> , 61-93		1
120	Time-Domain Simulation of Sound Absorption on Curved Wall <b>2007</b> ,		5
119	Accuracy of Lattice Boltzmann Method for Aeroacoustic Simulations <b>2007</b> ,		9
118	Time-Frequency Analysis and Detection of Supersonic Inlet Buzz. <i>AIAA Journal</i> , <b>2007</b> , 45, 2273-2284	2.1	56

117	A macroscopic turbulence model for flow in porous media suited for channel, pipe and rod bundle flows. <i>International Journal of Heat and Mass Transfer</i> , <b>2006</b> , 49, 2739-2750	4.9	48
116	A Kriging Approach for CFD/Wind-Tunnel Data Comparison. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2006</b> , 128, 847-855	2.1	21
115	A finite-volume variational multiscale method coupled with a discrete interpolation filter for large-eddy simulation of isotropic turbulence and fully developed channel flow. <i>Physics of Fluids</i> , <b>2006</b> , 18, 115101	4.4	10
114	Optimal model parameters for multi-objective large-eddy simulations. <i>Physics of Fluids</i> , <b>2006</b> , 18, 095103	4.4	41
113	Large-eddy simulation of sheared interfacial flow. <i>Physics of Fluids</i> , <b>2006</b> , 18, 105105	4.4	35
112	Large-eddy simulation of aero-optical effects in a spatially developing turbulent boundary layer. <i>Journal of Turbulence</i> , <b>2006</b> , 7, N1	2.1	84
111	Unsteady Simulation of Synthetic Jet in a Crossflow. <i>AIAA Journal</i> , <b>2006</b> , 44, 225-238	2.1	52
110	Reynolds-Averaged Navier-Stokes/Large-Eddy Simulations of Supersonic Base Flow. <i>AIAA Journal</i> , <b>2006</b> , 44, 2578-2590	2.1	59
109	DNS/LES of Active Separation Control by Synthetic Jets <b>2006</b> ,		2
108	RANS-LES Simulations of Supersonic Base Flow <b>2006</b> ,		4
107	A wavelet-based adaptive mesh refinement criterion for large-eddy simulation. <i>Journal of Turbulence</i> , <b>2006</b> , 7, N64	2.1	4
106	A closed differential model for large-scale motion in HVBK fluids. <i>Europhysics Letters</i> , <b>2006</b> , 75, 757-763	1.6	7
105	On the model coefficients for the standard and the variational multi-scale Smagorinsky model. <i>Journal of Fluid Mechanics</i> , <b>2006</b> , 569, 287	3.7	85
104	Nonlinear global modes in hot jets. <i>Journal of Fluid Mechanics</i> , <b>2006</b> , 554, 393	3.7	52
103	Subgrid models for large-eddy simulation using unstructured grids in a stabilized finite element framework. <i>Journal of Turbulence</i> , <b>2006</b> , 7, N28	2.1	6
102	Analysis of the Sutton Model for Aero-Optical Properties of Compressible Boundary Layers. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2006</b> , 128, 239-246	2.1	29
101	An entropy-variable-based VMS/GLS method for the simulation of compressible flows on unstructured grids. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2006</b> , 195, 1154-1179	5.7	24
100	RANS/LES coupling for unsteady turbulent flow simulation at high Reynolds number on coarse meshes. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2006</b> , 195, 2939-2960	5.7	18

99	On the use of incomplete sensitivities for feedback control of laminar vortex shedding. <i>Computers and Fluids</i> , <b>2006</b> , 35, 1432-1443	2.8	10
98	On the use of a high order overlapping grid method for coupling in CFD/CAA. <i>Journal of Computational Physics</i> , <b>2006</b> , 220, 355-382	4.1	43
97	Multiscale and Multiresolution Approaches in Turbulence <b>2006</b> ,		94
96	Global Modes in Hot Jets, Absolute/Convective Instabilities and Acoustic Feedback <b>2005</b> ,		1
95	Calibrated reduced-order POD-Galerkin system for fluid flow modelling. <i>Journal of Computational Physics</i> , <b>2005</b> , 207, 192-220	4.1	169
94	A dynamic finite volume scheme for large-eddy simulation on unstructured grids. <i>Journal of Computational Physics</i> , <b>2005</b> , 210, 632-655	4.1	259
93	Assessment of non-Fickian subgrid-scale models for passive scalar in a channel flow. <i>International Journal for Numerical Methods in Fluids</i> , <b>2005</b> , 49, 75-98	1.9	2
92	Hybrid methods for airframe noise numerical prediction. <i>Theoretical and Computational Fluid Dynamics</i> , <b>2005</b> , 19, 197-227	2.3	55
91	A dynamic p-adaptive Discontinuous Galerkin method for viscous flow with shocks. <i>Computers and Fluids</i> , <b>2005</b> , 34, 401-417	2.8	19
90	Sensitivity of spectral variational multiscale methods for large-eddy simulation of isotropic turbulence. <i>Physics of Fluids</i> , <b>2005</b> , 17, 035113	4.4	16
89	On the filtering paradigm for LES of flows with discontinuities. <i>Journal of Turbulence</i> , <b>2005</b> , 6, N23	2.1	18
88	Advance in RANS-LES coupling, a review and an insight on the NLDE approach. <i>Archives of Computational Methods in Engineering</i> , <b>2004</b> , 11, 199-256	7.8	9
87	Turbulent Inflow Conditions for Large-Eddy-Simulation of Compressible Wall-Bounded Flows. <i>AIAA Journal</i> , <b>2004</b> , 42, 469-477	2.1	102
86	Large-eddy simulation of a compressible flow in a three-dimensional open cavity at high Reynolds number. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 516, 265-301	3.7	157
85	Large-Eddy Simulation of a Subsonic Flow over a Cavity on General Unstructured Grids <b>2004</b> ,		3
84	LES of Wake-Blade Interference in a Low-Pressure Turbine. <i>ERCFTAC Series</i> , <b>2004</b> , 627-634	0.1	
83	Large eddy simulations of aero-optical effects in a turbulent boundary layer. <i>Journal of Turbulence</i> , <b>2003</b> , 4,	2.1	22
82	A multilevel-based dynamic approach for subgrid-scale modeling in large-eddy simulation. <i>Physics of Fluids</i> , <b>2003</b> , 15, 3671-3682	4.4	8

81	Reconstruction of initial field from experimental data for numerical simulations of realistic aircraft wakes. <i>Progress in Computational Fluid Dynamics</i> , <b>2003</b> , 3, 1	0.7	
80	A time self-adaptive multilevel algorithm for large-eddy simulation. <i>Journal of Computational Physics</i> , <b>2003</b> , 184, 339-365	4.1	11
79	Numerical investigation of fully developed channel flow using shock-capturing schemes. <i>Computers and Fluids</i> , <b>2003</b> , 32, 249-274	2.8	8
78	Intermodal energy transfers in a proper orthogonal decomposition-Galerkin representation of a turbulent separated flow. <i>Journal of Fluid Mechanics</i> , <b>2003</b> , 491, 275-284	3.7	72
77	Large-eddy simulation of a compressible flow past a deep cavity. <i>Physics of Fluids</i> , <b>2003</b> , 15, 193-210	4.4	152
76	Numerical Simulation of the 3D Unsteady Flow in a Slat Cove for Noise Prediction <b>2003</b> ,		34
75	Theoretical Aspects of a Multidomain High-Order Method for CAA <b>2003</b> ,		5
74	Large Eddy Simulation of a Subsonic Hot Jet at High Reynolds Number <b>2003</b> ,		2
73	Unsteady Wake Vortices Simulation Behind a A300 Model <b>2003</b> ,		1
72	Turbulent Inflow Conditions for LES of Supersonic and Subsonic Wall Bounded Flows <b>2003</b> ,		2
71	Large-Eddy Simulations of Flows in Weapon Bays <b>2003</b> ,		5
70	High-Resolution Large-Eddy Simulation of Flow Around Low-Pressure Turbine Blade. <i>AIAA Journal</i> , <b>2003</b> , 41, 390-397	2.1	75
69	Analysis of a filtered high-order method for CAA <b>2003</b> , 1978-1981		2
68	Analysis of a filtered high-order method for CAA <b>2003</b> , 1978-1981		3
67	Reconstruction of Turbulent Fluctuations Using a Hybrid RANS/LES Approach. <i>Journal of Computational Physics</i> , <b>2002</b> , 182, 301-336	4.1	62
66	Zonal multi-domain RANS/LES simulations of turbulent flows. <i>International Journal for Numerical Methods in Fluids</i> , <b>2002</b> , 40, 903-925	1.9	46
65	Analysis of the near-wall behaviour of some self-adaptive subgrid-scale models in finite-differenced simulations of channel flow. <i>International Journal for Numerical Methods in Fluids</i> , <b>2002</b> , 40, 1275-1302	1.9	6
64	Large Eddy simulation of shock/homogeneous turbulence interaction. <i>Computers and Fluids</i> , <b>2002</b> , 31, 245-268	2.8	35



63	Simulation of a viscous compressible flow past a circular cylinder with high-order discontinuous Galerkin methods. <i>Computers and Fluids</i> , <b>2002</b> , 31, 867-889	2.8	24
62	Large Eddy Simulation of Shock/Boundary-Layer Interaction. <i>AIAA Journal</i> , <b>2002</b> , 40, 1935-1944	2.1	122
61	Large Eddy Simulation of Flow Around an Airfoil Near Stall. <i>AIAA Journal</i> , <b>2002</b> , 40, 1139-1145	2.1	260
60	Numerical Prediction of Airfoil Aerodynamic Noise <b>2002</b> ,		42
59	LARGE-EDDY SIMULATION OF HEAT TRANSFER OVER A BACKWARD-FACING STEP. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2002</b> , 42, 73-90	2.3	24
58	A Multidomain/Multiresolution Method with Application to Rans-Les Coupling <b>2002</b> , 273-290		
57	Large eddy simulation of shock/boundary-layer interaction. <i>AIAA Journal</i> , <b>2002</b> , 40, 1935-1944	2.1	2
56	Large Eddy Simulation for Incompressible Flows. <i>Scientific Computation</i> , <b>2002</b> ,	0.1	203
55	LES OF AERO-OPTICAL EFFECTS IN A TURBULENT BOUNDARY LAYER <b>2002</b> , 327-336		1
54	On the radiated noise computed by large-eddy simulation. <i>Physics of Fluids</i> , <b>2001</b> , 13, 476-487	4.4	58
53	A study of built-in filter for some eddy viscosity models in large-eddy simulation. <i>Physics of Fluids</i> , <b>2001</b> , 13, 1440-1449	4.4	21
52	A Multilevel Algorithm for Large-Eddy Simulation of Turbulent Compressible Flows. <i>Journal of Computational Physics</i> , <b>2001</b> , 167, 439-474	4.1	39
51	A Problem-Independent Limiter for High-Order Runge-Kutta Discontinuous Galerkin Methods. <i>Journal of Computational Physics</i> , <b>2001</b> , 169, 111-150	4.1	155
50	A Class of Explicit ENO Filters with Application to Unsteady Flows. <i>Journal of Computational Physics</i> , <b>2001</b> , 170, 184-204	4.1	51
49	A new multi-domain/multi-resolution method for large-eddy simulation. <i>International Journal for Numerical Methods in Fluids</i> , <b>2001</b> , 36, 391-416	1.9	39
48	Numerical prediction of the unsteady flow and radiated noise from a 3D lifting airfoil <b>2001</b> ,		22
47	Numerical simulation of propagation of small perturbations interacting with flows and solid bodies <b>2001</b> ,		16
46	Large eddy simulation of flow around an airfoil <b>2001</b> ,		9

45	Large Eddy Simulation of Flow Around a High Lift Airfoil. <i>ERCFTAC Series</i> , <b>2001</b> , 157-164	0.1	3
44	Large Eddy Simulation for Incompressible Flows. <i>Scientific Computation</i> , <b>2001</b> ,	0.1	249
43	Large-Eddy Simulation of the Flow around a Low Pressure Turbine Blade. <i>ERCFTAC Series</i> , <b>2001</b> , 381-388	1	8
42	Large Eddy Simulation for Incompressible Flows. An Introduction. <i>Measurement Science and Technology</i> , <b>2001</b> , 12, 1745-1746	2	22
41	On the use of relaxation methods for localized dynamic models. <i>Physics of Fluids</i> , <b>2000</b> , 12, 3297-3300	4.4	2
40	Large eddy simulation of subsonic and supersonic channel flow at moderate Reynolds number. <i>International Journal for Numerical Methods in Fluids</i> , <b>2000</b> , 32, 369-406	1.9	107
39	Evaluation of some high-order shock capturing schemes for direct numerical simulation of unsteady two-dimensional free flows. <i>International Journal for Numerical Methods in Fluids</i> , <b>2000</b> , 33, 249-278	1.9	19
38	An algorithm for unsteady viscous flows at all speeds. <i>International Journal for Numerical Methods in Fluids</i> , <b>2000</b> , 34, 371-401	1.9	26
37	An algorithm for low Mach number unsteady flows. <i>Computers and Fluids</i> , <b>2000</b> , 29, 119-147	2.8	25
36	Une méthode multineveau pour la simulation des grandes échelles des écoulements turbulents compressibles. <i>Comptes Rendus De L'Académie De Sciences - Serie IIb: Mécanique, Physique, Chimie, Astronomie</i> , <b>2000</b> , 328, 81-86		
35	Une méthode multidomaine/ multirésolution avec application à la simulation des grandes échelles. <i>Comptes Rendus De L'Académie De Sciences - Serie IIb: Mécanique, Physique, Chimie, Astronomie</i> , <b>2000</b> , 328, 87-90		
34	Trailing-Edge Noise Prediction Using Large-Eddy Simulation and Acoustic Analogy. <i>AIAA Journal</i> , <b>2000</b> , 38, 575-583	2.1	74
33	Subgrid-Scale Contribution to Noise Production in Decaying Isotropic Turbulence. <i>AIAA Journal</i> , <b>2000</b> , 38, 1795-1803	2.1	25
32	Subgrid-Scale Models for Large-Eddy Simulations of Compressible Wall Bounded Flows. <i>AIAA Journal</i> , <b>2000</b> , 38, 1340-1350	2.1	191
31	Multiscale Approaches to Unsteady Simulation of Turbulent Flows. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , <b>2000</b> , 1,	1.8	4
30	Filtered subgrid-scale models. <i>Physics of Fluids</i> , <b>2000</b> , 12, 233-236	4.4	27
29	A General Algebraic Formulation for Multi-parameter Dynamic Subgrid-scale Modeling. <i>International Journal of Computational Fluid Dynamics</i> , <b>2000</b> , 13, 251-257	1.2	3
28	Trailing-edge noise prediction using large-eddy simulation and acoustic analogy. <i>AIAA Journal</i> , <b>2000</b> , 38, 575-583	2.1	2

27	Subgrid-scale models for large-eddy simulations of compressible wall bounded flows. <i>AIAA Journal</i> , <b>2000</b> , 38, 1340-1350	2.1	6
26	Assessment of some self-adaptive SGS models for wall bounded flows. <i>Aerospace Science and Technology</i> , <b>1999</b> , 3, 335-344	4.9	10
25	Généralisation de l'identité de Germano et application à la modélisation sous-maille. <i>Comptes Rendus De L'Académie De Sciences - Serie Iib: Mécanique, Physique, Chimie, Astronomie</i> , <b>1999</b> , 327, 463-466		1
24	On the Use of Shock-Capturing Schemes for Large-Eddy Simulation. <i>Journal of Computational Physics</i> , <b>1999</b> , 153, 273-311	4.1	232
23	Discrete filters for large eddy simulation. <i>International Journal for Numerical Methods in Fluids</i> , <b>1999</b> , 31, 1195-1220	1.9	82
22	Towards the use of boundary element method in computational aeroacoustics <b>1999</b> ,		10
21	Direct Numerical Simulation of Flow in a Ribbed Channel. <i>International Journal of Computational Fluid Dynamics</i> , <b>1999</b> , 11, 275-284	1.2	2
20	Large-Eddy Simulation of Shock/Homogeneous Turbulence Interaction. <i>ERCOTAC Series</i> , <b>1999</b> , 123-134	0.1	1
19	Analysis of Mesh-Independent Subfilter-Scale Models for Turbulent Flows. <i>ERCOTAC Series</i> , <b>1999</b> , 263-274		
18	Discrete filters for large eddy simulation <b>1999</b> , 31, 1195		3
17	Trailing edge noise prediction using Large Eddy Simulation and acoustic analogy <b>1998</b> ,		2
16	Shock-capturing schemes for L.E.S. applications <b>1998</b> , 284-289		
15	PEGASE: A NAVIER-STOKES SOLVER FOR DIRECT NUMERICAL SIMULATION OF INCOMPRESSIBLE FLOWS. <i>International Journal for Numerical Methods in Fluids</i> , <b>1997</b> , 24, 833-861	1.9	18
14	Large Eddy Simulation of Turbulent Flow past a Backward Facing Step with a new Mixed Scale SGS Model. <i>Notes on Numerical Fluid Mechanics</i> , <b>1996</b> , 271-277		4
13	Incompressible Homogeneous Anisotropic Turbulence: Pure Shear 192-218		
12	Isotropic Turbulence Shock Interaction 358-383		
11	Statistical Analysis of Homogeneous Turbulent Flows: Reminders 10-48		
10	Incompressible Homogeneous Isotropic Turbulence 49-126		1

- 9 Incompressible Homogeneous Anisotropic Turbulence: Buoyancy and Stable Stratification 219-242
- 8 Linear Interaction Approximation for Shock Perturbation Interaction 384-405
- 7 Incompressible Homogeneous Anisotropic Turbulence: Strain 167-191
- 6 Coupled Effects: Rotation, Stratification, Strain, and Shear 243-272
- 5 Incompressible Homogeneous Anisotropic Turbulence: Pure Rotation 127-166
- 4 Compressible Homogeneous Anisotropic Turbulence 327-357
- 3 Anisotropic Nonlinear Triadic Closures 423-448
- 2 Linear Theories. From Rapid Distortion Theory to WKB Variants 406-422
- 1 Compressible Homogeneous Isotropic Turbulence 273-326