

Thierry Poinsot

List of Publications by Year in descending order

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157
papers

14,427
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157
times ranked

3582
citing authors

#	ARTICLE	IF	CITATIONS
1	A thickened flame model for large eddy simulations of turbulent premixed combustion. <i>Physics of Fluids</i> , 2000, 12, 1843-1863.	1.6	866
2	A review of active control of combustion instabilities. <i>Progress in Energy and Combustion Science</i> , 1993, 19, 1-29.	15.8	709
3	Large-Eddy Simulation of the Shock/Turbulence Interaction. <i>Journal of Computational Physics</i> , 1999, 152, 517-549.	1.9	598
4	Prediction and control of combustion instabilities in real engines. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 1-28.	2.4	474
5	Compressible large eddy simulation of turbulent combustion in complex geometry on unstructured meshes. <i>Combustion and Flame</i> , 2004, 137, 489-505.	2.8	413
6	Large Eddy Simulations of gaseous flames in gas turbine combustion chambers. <i>Progress in Energy and Combustion Science</i> , 2012, 38, 782-817.	15.8	373
7	Stretching and quenching of flamelets in premixed turbulent combustion. <i>Combustion and Flame</i> , 1991, 86, 311-332.	2.8	361
8	The evolution equation for the flame surface density in turbulent premixed combustion. <i>Journal of Fluid Mechanics</i> , 1994, 278, 1-31.	1.4	353
9	Studies of mean and unsteady flow in a swirled combustor using experiments, acoustic analysis, and large eddy simulations. <i>Combustion and Flame</i> , 2005, 141, 40-54.	2.8	326
10	Acoustic Modes in Combustors with Complex Impedances and Multidimensional Active Flames. <i>AIAA Journal</i> , 2007, 45, 426-441.	1.5	308
11	Large Eddy Simulation of self excited azimuthal modes in annular combustors. <i>Proceedings of the Combustion Institute</i> , 2009, 32, 2909-2916.	2.4	288
12	Large Eddy Simulation of combustion instabilities in a lean partially premixed swirled flame. <i>Combustion and Flame</i> , 2012, 159, 621-637.	2.8	274
13	Large-eddy simulation and experimental study of heat transfer, nitric oxide emissions and combustion instability in a swirled turbulent high-pressure burner. <i>Journal of Fluid Mechanics</i> , 2007, 570, 17-46.	1.4	257
14	LES of an ignition sequence in a gas turbine engine. <i>Combustion and Flame</i> , 2008, 154, 2-22.	2.8	257
15	A two-step chemical scheme for kerosene-air premixed flames. <i>Combustion and Flame</i> , 2010, 157, 1364-1373.	2.8	246
16	Accurate Boundary Conditions for Multicomponent Reactive Flows. <i>Journal of Computational Physics</i> , 1995, 116, 247-261.	1.9	240
17	A comparison of flamelet models for premixed turbulent combustion. <i>Combustion and Flame</i> , 1993, 95, 101-117.	2.8	237
18	Direct simulation and modeling of flame-wall interaction for premixed turbulent combustion. <i>Combustion and Flame</i> , 1993, 95, 118-132.	2.8	218

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19	Numerical methods for unsteady compressible multi-component reacting flows on fixed and moving grids. <i>Journal of Computational Physics</i> , 2005, 202, 710-736.	1.9	218
20	DIRECT NUMERICAL SIMULATION OF NON-PREMIXED TURBULENT FLAMES. <i>Annual Review of Fluid Mechanics</i> , 1998, 30, 655-691.	10.8	215
21	A Study of the Laminar Flame Tip and Implications for Premixed Turbulent Combustion. <i>Combustion Science and Technology</i> , 1992, 81, 45-73.	1.2	208
22	Active control of combustion instability. <i>Combustion and Flame</i> , 1987, 70, 281-289.	2.8	195
23	Applications of direct numerical simulation to premixed turbulent combustion. <i>Progress in Energy and Combustion Science</i> , 1995, 21, 531-576.	15.8	188
24	Acoustic and Large Eddy Simulation studies of azimuthal modes in annular combustion chambers. <i>Combustion and Flame</i> , 2012, 159, 3398-3413.	2.8	184
25	Thermoacoustic instabilities: Should the Rayleigh criterion be extended to include entropy changes?. <i>Combustion and Flame</i> , 2005, 142, 153-159.	2.8	162
26	Large-Eddy Simulation and experimental study of cycle-to-cycle variations of stable and unstable operating points in a spark ignition engine. <i>Combustion and Flame</i> , 2012, 159, 1562-1575.	2.8	152
27	Effects of hydrogen and steam addition on laminar burning velocity of methane-air premixed flame: Experimental and numerical analysis. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 9412-9422.	3.8	152
28	Actual Impedance of Nonreflecting Boundary Conditions: Implications for Computation of Resonators. <i>AIAA Journal</i> , 2004, 42, 958-964.	1.5	144
29	Numerical simulation and modeling for lean stratified propane-air flames. <i>Combustion and Flame</i> , 2002, 128, 1-21.	2.8	136
30	Compact finite difference schemes on non-uniform meshes. Application to direct numerical simulations of compressible flows. <i>International Journal for Numerical Methods in Fluids</i> , 1999, 29, 159-191.	0.9	130
31	LES study of deflagration to detonation mechanisms in a downsized spark ignition engine. <i>Combustion and Flame</i> , 2015, 162, 2788-2807.	2.8	129
32	Large eddy simulation of spark ignition in a turbulent methane jet. <i>Combustion and Flame</i> , 2009, 156, 1993-2009.	2.8	127
33	LES study of cycle-to-cycle variations in a spark ignition engine. <i>Proceedings of the Combustion Institute</i> , 2011, 33, 3115-3122.	2.4	123
34	Large-Eddy Simulation and Acoustic Analysis of a Swirled Staged Turbulent Combustor. <i>AIAA Journal</i> , 2006, 44, 741-750.	1.5	122
35	Training convolutional neural networks to estimate turbulent sub-grid scale reaction rates. <i>Combustion and Flame</i> , 2019, 203, 255-264.	2.8	119
36	Mixed acoustic-entropy combustion instabilities in gas turbines. <i>Journal of Fluid Mechanics</i> , 2014, 749, 542-576.	1.4	115

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37	Comparison of Direct and Indirect Combustion Noise Mechanisms in a Model Combustor. AIAA Journal, 2009, 47, 2709-2716.	1.5	114
38	Suppression of combustion instabilities by active control. Journal of Propulsion and Power, 1989, 5, 14-20.	1.3	112
39	Flow forcing techniques for numerical simulation of combustion instabilities. Combustion and Flame, 2002, 131, 371-385.	2.8	112
40	Development and assessment of a coupled strategy for conjugate heat transfer with Large Eddy Simulation: Application to a cooled turbine blade. International Journal of Heat and Fluid Flow, 2009, 30, 1129-1141.	1.1	111
41	Fuel injection model for Euler-Euler and Euler-Lagrange large-eddy simulations of an evaporating spray inside an aeronautical combustor. International Journal of Multiphase Flow, 2011, 37, 514-529.	1.6	104
42	Flame-wall interaction simulation in a turbulent channel flow. Combustion and Flame, 1996, 107, 27-36.	2.8	101
43	Joint use of compressible large-eddy simulation and Helmholtz solvers for the analysis of rotating modes in an industrial swirled burner. Combustion and Flame, 2006, 145, 194-205.	2.8	99
44	Comparison and extension of methods for acoustic identification of burners. Combustion and Flame, 2005, 142, 388-400.	2.8	93
45	An analytical model for azimuthal thermoacoustic modes in an annular chamber fed by an annular plenum. Combustion and Flame, 2014, 161, 1374-1389.	2.8	92
46	Large-Eddy Simulation of combustion instabilities in a variable-length combustor. Comptes Rendus - Mecanique, 2013, 341, 220-229.	2.1	91
47	Premixed flame-wall interaction in a turbulent channel flow: budget for the flame surface density evolution equation and modelling. Journal of Fluid Mechanics, 1997, 349, 191-219.	1.4	88
48	LES of longitudinal and transverse self-excited combustion instabilities in a bluff-body stabilized turbulent premixed flame. Combustion and Flame, 2015, 162, 4075-4083.	2.8	88
49	Effects of pressure gradients on turbulent premixed flames. Journal of Fluid Mechanics, 1997, 353, 83-114.	1.4	86
50	Comparison of Nonreflecting Outlet Boundary Conditions for Compressible Solvers on Unstructured Grids. AIAA Journal, 2010, 48, 2348-2364.	1.5	85
51	Interaction of flames of H ₂ + O ₂ with inert walls. Combustion and Flame, 2003, 135, 123-133.	2.8	81
52	LES and experimental studies of cold and reacting flow in a swirled partially premixed burner with and without fuel modulation. Combustion and Flame, 2007, 150, 40-53.	2.8	79
53	Large eddy simulation of laser ignition and compressible reacting flow in a rocket-like configuration. Combustion and Flame, 2009, 156, 1166-1180.	2.8	79
54	Evaluation of numerical strategies for large eddy simulation of particulate two-phase recirculating flows. Journal of Computational Physics, 2009, 228, 539-564.	1.9	76

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55	Low-frequency combustion instability mechanisms in a side-dump combustor. <i>Combustion and Flame</i> , 1993, 94, 363-380.	2.8	74
56	Sensitivity analysis of transfer functions of laminar flames. <i>Combustion and Flame</i> , 2011, 158, 2384-2394.	2.8	74
57	Numerical and analytical modelling of entropy noise in a supersonic nozzle with a shock. <i>Journal of Sound and Vibration</i> , 2011, 330, 3944-3958.	2.1	74
58	Large Eddy Simulation of a Motored Single-Cylinder Piston Engine: Numerical Strategies and Validation. <i>Flow, Turbulence and Combustion</i> , 2011, 86, 153-177.	1.4	71
59	DNS of Intrinsic ThermoAcoustic modes in laminar premixed flames. <i>Combustion and Flame</i> , 2015, 162, 4331-4341.	2.8	68
60	A simple analytical model to study and control azimuthal instabilities in annular combustion chambers. <i>Combustion and Flame</i> , 2012, 159, 2374-2387.	2.8	66
61	Suppression of instabilities of swirled premixed flames with minimal secondary hydrogen injection. <i>Combustion and Flame</i> , 2020, 214, 266-276.	2.8	66
62	Massively parallel LES of azimuthal thermo-acoustic instabilities in annular gas turbines. <i>Comptes Rendus - Mecanique</i> , 2009, 337, 385-394.	2.1	65
63	Dynamics and control of premixed combustion systems based on flame transfer and describing functions. <i>Journal of Fluid Mechanics</i> , 2020, 894, .	1.4	64
64	Contrail formation in aircraft wakes. <i>Journal of Fluid Mechanics</i> , 2004, 502, 361-373.	1.4	61
65	High performance parallel computing of flows in complex geometries. <i>Comptes Rendus - Mecanique</i> , 2011, 339, 104-124.	2.1	59
66	Analytical and Numerical Study of Combustion Noise Through a Subsonic Nozzle. <i>AIAA Journal</i> , 2013, 51, 42-52.	1.5	58
67	Symmetry breaking of azimuthal thermo-acoustic modes in annular cavities: a theoretical study. <i>Journal of Fluid Mechanics</i> , 2014, 760, 431-465.	1.4	58
68	Numerical Benchmark for High-Reynolds-Number Supercritical Flows with Large Density Gradients. <i>AIAA Journal</i> , 2016, 54, 1445-1460.	1.5	58
69	High performance parallel computing of flows in complex geometries: I. Methods. <i>Computational Science & Discovery</i> , 2009, 2, 015003.	1.5	57
70	Bistable swirled flames and influence on flame transfer functions. <i>Combustion and Flame</i> , 2014, 161, 184-196.	2.8	57
71	Theoretical analysis and simulation of methane/air flame inhibition by sodium bicarbonate particles. <i>Combustion and Flame</i> , 2018, 193, 313-326.	2.8	57
72	Asymptotic and numerical study of diffusion flames with variable Lewis number and finite rate chemistry. <i>Combustion and Flame</i> , 1996, 104, 111-137.	2.8	56

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73	Joint experimental and numerical study of the influence of flame holder temperature on the stabilization of a laminar methane flame on a cylinder. <i>Combustion and Flame</i> , 2016, 172, 153-161.	2.8	54
74	Experimental and numerical study of the accuracy of flame-speed measurements for methane/air combustion in a slot burner. <i>Combustion and Flame</i> , 2011, 158, 146-154.	2.8	52
75	Using LES to predict ignition sequences and ignition probability of turbulent two-phase flames. <i>Combustion and Flame</i> , 2013, 160, 1191-1207.	2.8	48
76	A Nonlinear Model for Ducted Flame Combustion Instabilities. <i>Combustion Science and Technology</i> , 1988, 61, 121-153.	1.2	47
77	Large Eddy Simulation of Pre-Chamber Ignition in an Internal Combustion Engine. <i>Flow, Turbulence and Combustion</i> , 2019, 103, 465-483.	1.4	47
78	Transfer function measurements in a model combustor: Application to adaptive instability control. <i>Combustion Science and Technology</i> , 2003, 175, 993-1013.	1.2	46
79	Influence of chemical schemes, numerical method and dynamic turbulent combustion modeling on LES of premixed turbulent flames. <i>Combustion and Flame</i> , 2018, 191, 417-430.	2.8	45
80	Experimental determination of the reflection coefficient of a premixed flame in a duct. <i>Journal of Sound and Vibration</i> , 1986, 107, 265-278.	2.1	43
81	Effects of Mean Flow on Premixed Flame Ignition. <i>Combustion Science and Technology</i> , 1995, 106, 19-39.	1.2	43
82	An unsteady laminar flamelet model for non-premixed combustion. <i>Combustion Theory and Modelling</i> , 2000, 4, 77-97.	1.0	43
83	LES of explosions in venting chamber: A test case for premixed turbulent combustion models. <i>Combustion and Flame</i> , 2017, 183, 207-223.	2.8	41
84	Direct numerical simulation of heat release and NO _x formation in turbulent nonpremixed flames. <i>Combustion and Flame</i> , 1999, 119, 69-83.	2.8	39
85	Boundary Conditions for Acoustic Eigenmodes Computation in Gas turbine Combustion Chambers. <i>AIAA Journal</i> , 2008, 46, 2282-2292.	1.5	39
86	Influence of kinetics on DDT simulations. <i>Combustion and Flame</i> , 2019, 200, 1-14.	2.8	38
87	Combining LES of combustion chamber and an actuator disk theory to predict combustion noise in a helicopter engine. <i>Combustion and Flame</i> , 2016, 165, 272-287.	2.8	37
88	Acoustically Nonreflecting and Reflecting Boundary Conditions for Vorticity Injection in Compressible Solvers. <i>AIAA Journal</i> , 2009, 47, 1709-1722.	1.5	36
89	LES of knocking in engines using dual heat transfer and two-step reduced schemes. <i>Combustion and Flame</i> , 2015, 162, 4304-4312.	2.8	36
90	Coupling heat transfer and large eddy simulation for combustion instability prediction in a swirl burner. <i>Combustion and Flame</i> , 2018, 191, 239-251.	2.8	36

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91	Effects of liquid fuel/wall interaction on thermoacoustic instabilities in swirling spray flames. <i>Combustion and Flame</i> , 2020, 219, 86-101.	2.8	36
92	Outlet-Boundary-Condition Influence for Large Eddy Simulation of Combustion Instabilities in Gas Turbines. <i>Journal of Propulsion and Power</i> , 2008, 24, 541-546.	1.3	35
93	A Tool to Study Azimuthal Standing and Spinning Modes in Annular Combustors. <i>International Journal of Aeroacoustics</i> , 2009, 8, 57-67.	0.8	35
94	LES Study of Transverse Acoustic Instabilities in a Swirled Kerosene/Air Combustion Chamber. <i>Flow, Turbulence and Combustion</i> , 2016, 96, 207-226.	1.4	35
95	Sensitivity of LES-based harmonic flame response model for turbulent swirled flames and impact on the stability of azimuthal modes. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 3355-3363.	2.4	34
96	Vortex model to define safe aircraft separation distances. <i>Journal of Aircraft</i> , 1996, 33, 547-553.	1.7	33
97	Large eddy simulation predictions of mixing enhancement for jets in cross-flows. <i>Journal of Turbulence</i> , 2004, 5, .	0.5	32
98	Curvature and confinement effects for flame speed measurements in laminar spherical and cylindrical flames. <i>Combustion and Flame</i> , 2013, 160, 1208-1214.	2.8	32
99	Influence of flame-holder temperature on the acoustic flame transfer functions of a laminar flame. <i>Combustion and Flame</i> , 2018, 188, 5-12.	2.8	32
100	Theoretical analysis of the mass balance equation through a flame at zero and non-zero Mach numbers. <i>Combustion and Flame</i> , 2015, 162, 60-67.	2.8	31
101	Thermo-Acoustic Stability of a Helicopter Gas Turbine Combustor Using Large Eddy Simulation. <i>International Journal of Aeroacoustics</i> , 2009, 8, 69-93.	0.8	29
102	Large Eddy Simulation of Vented Deflagration. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 11414-11423.	1.8	28
103	Transmission and reflection of acoustic and entropy waves through a stator-rotor stage. <i>Journal of Sound and Vibration</i> , 2016, 374, 260-278.	2.1	28
104	A characteristic inlet boundary condition for compressible, turbulent, multispecies turbomachinery flows. <i>Computers and Fluids</i> , 2019, 178, 41-55.	1.3	28
105	Comparison of computational methodologies for ignition of diffusion layers. <i>Combustion Science and Technology</i> , 2003, 175, 1783-1806.	1.2	27
106	Comparison of outflow boundary conditions for subsonic aeroacoustic simulations. <i>International Journal for Numerical Methods in Fluids</i> , 2012, 68, 1207-1233.	0.9	27
107	Impact of wall heat transfer in Large Eddy Simulation of flame dynamics in a swirled combustion chamber. <i>Combustion and Flame</i> , 2021, 234, 111728.	2.8	27
108	Large-eddy simulation for the prediction of aerodynamics in IC engines. <i>International Journal of Vehicle Design</i> , 2005, 39, 368.	0.1	26

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109	A methodology based on reduced schemes to compute autoignition and propagation in internal combustion engines. Proceedings of the Combustion Institute, 2015, 35, 3001-3008.	2.4	25
110	Combustion noise: modeling and prediction. CEAS Aeronautical Journal, 2019, 10, 101-122.	0.9	25
111	A conceptual model of the flame stabilization mechanisms for a lifted Diesel-type flame based on direct numerical simulation and experiments. Combustion and Flame, 2019, 201, 65-77.	2.8	25
112	Experimental and Numerical Studies of Dilution Systems for Low-Emission Combustors. AIAA Journal, 2005, 43, 1753-1766.	1.5	22
113	High performance parallel computing of flows in complex geometries: II. Applications. Computational Science & Discovery, 2009, 2, 015004.	1.5	22
114	Simulation and modelling of the waves transmission and generation in a stator blade row in a combustion-noise framework. Journal of Sound and Vibration, 2014, 333, 6090-6106.	2.1	22
115	A generalized non-reflecting inlet boundary condition for steady and forced compressible flows with injection of vortical and acoustic waves. Computers and Fluids, 2019, 190, 503-513.	1.3	22
116	Direct numerical simulations and models for hot burnt gases jet ignition. Combustion and Flame, 2021, 223, 407-422.	2.8	22
117	Combustion Instability Problems Analysis for High-Pressure Jet Engine Cores. Journal of Propulsion and Power, 2008, 24, 770-778.	1.3	21
118	Experimental and numerical study of cyclic variations in a Constant Volume Combustion chamber. Combustion and Flame, 2016, 172, 49-61.	2.8	21
119	Compatibility of Characteristic Boundary Conditions with Radial Equilibrium in Turbomachinery Simulations. AIAA Journal, 2014, 52, 2829-2839.	1.5	20
120	Delayed-time domain impedance boundary conditions (D-TDIBC). Journal of Computational Physics, 2018, 371, 50-66.	1.9	20
121	Growth of Rounding Errors and Repetitiveness of Large Eddy Simulations. AIAA Journal, 2008, 46, 1773-1781.	1.5	19
122	Isolating strain and curvature effects in premixed flame/vortex interactions. Journal of Fluid Mechanics, 2017, 831, 618-654.	1.4	19
123	A Study of NOx Reduction by Acoustic Excitation in a Liquid Fueled Burner. Combustion Science and Technology, 1996, 119, 397-408.	1.2	17
124	Accounting for Acoustic Damping in a Helmholtz Solver. AIAA Journal, 2017, 55, 1205-1220.	1.5	17
125	Premixed flame ignition in high-speed flows over a backward facing step. Combustion and Flame, 2021, 229, 111398.	2.8	17
126	On the impact of H_2 enrichment on flame structure and combustion dynamics of a lean partially-premixed turbulent swirling flame. Combustion and Flame, 2022, 241, 112120.	2.8	17

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127	The influence of differencing and CFL number on implicit time-dependent non-linear calculations. <i>Journal of Computational Physics</i> , 1986, 62, 282-296.	1.9	16
128	Vibration prediction in combustion chambers by coupling finite elements and large eddy simulations. <i>Journal of Sound and Vibration</i> , 2007, 304, 224-229.	2.1	16
129	Numerical Methods and Turbulence Modeling for LES of Piston Engines: Impact on Flow Motion and Combustion. <i>Oil and Gas Science and Technology</i> , 2014, 69, 83-105.	1.4	16
130	On the impact of fuel injection angle in Euler-Lagrange large eddy simulations of swirling spray flames exhibiting thermoacoustic instabilities. <i>Combustion and Flame</i> , 2021, 227, 359-370.	2.8	16
131	Detection of precursors of combustion instability using convolutional recurrent neural networks. <i>Combustion and Flame</i> , 2021, 233, 111558.	2.8	16
132	Active control: an investigation method for combustion instabilities. <i>Journal De Physique III</i> , 1992, 2, 1331-1357.	0.3	15
133	Asymptotic and numerical study of the stabilization of diffusion flames by hot gas. <i>Combustion and Flame</i> , 2000, 120, 143-159.	2.8	14
134	Analysis of mixing in high-explosive fireballs using small-scale pressurised spheres. <i>Shock Waves</i> , 2019, 29, 339-353.	1.0	14
135	Influence of hydrogen content and injection scheme on the describing function of swirled flames. <i>Combustion and Flame</i> , 2022, 240, 111974.	2.8	14
136	DNS and modeling of the turbulent boundary layer over an evaporating liquid film. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 6028-6041.	2.5	12
137	Experimental and numerical investigation of flames stabilised behind rotating cylinders: interaction of flames with a moving wall. <i>Journal of Fluid Mechanics</i> , 2017, 813, 127-151.	1.4	12
138	A novel modal expansion method for low-order modeling of thermoacoustic instabilities in complex geometries. <i>Combustion and Flame</i> , 2019, 206, 334-348.	2.8	12
139	Comparison of numerical methods and combustion models for LES of a ramjet. <i>Comptes Rendus - Mecanique</i> , 2009, 337, 352-361.	2.1	11
140	Computing combustion noise by combining large eddy simulations with analytical models for the propagation of waves through turbine blades. <i>Comptes Rendus - Mecanique</i> , 2013, 341, 131-140.	2.1	11
141	LES of bifurcation and hysteresis in confined annular swirling flows. <i>Computers and Fluids</i> , 2014, 89, 167-178.	1.3	11
142	Mean temperature field effect on acoustic mode structure in dump combustor. <i>Journal of Propulsion and Power</i> , 1986, 2, 311-316.	1.3	10
143	Comparison of a finite volume and two Lattice Boltzmann solvers for swirled confined flows. <i>Computers and Fluids</i> , 2022, 241, 105463.	1.3	10
144	A low-complexity global optimization algorithm for temperature and pollution control in flames with complex chemistry. <i>International Journal of Computational Fluid Dynamics</i> , 2006, 20, 93-98.	0.5	9

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145	Numerical and Physical Instabilities in Massively Parallel LES of Reacting Flows. Journal of Scientific Computing, 2011, 49, 78-93.	1.1	9
146	Generalization Capability of Convolutional Neural Networks for Progress Variable Variance and Reaction Rate Subgrid-Scale Modeling. Energies, 2021, 14, 5096.	1.6	7
147	Modeling heat transfer in dilute two-phase flows using the Mesoscopic Eulerian Formalism. International Journal of Heat and Mass Transfer, 2012, 55, 1486-1495.	2.5	6
148	Initial conditions for Large Eddy Simulations of piston engine flows. Computers and Fluids, 2007, 36, 701-713.	1.3	5
149	A parallel multidomain strategy to compute turbulent flows in fan-stirred closed vessels. Computers and Fluids, 2014, 101, 183-193.	1.3	5
150	High-performance CFD for Respiratory Droplet Turbulent Dispersion in a Ventilated City Bus. International Journal of Computational Fluid Dynamics, 2021, 35, 758-777.	0.5	4
151	LES reliability of the Volvo bluff-body stabilized ame dynamics. , 2017, , .		2
152	Introducing chemical kinetics into Large Eddy Simulation of turbulent reacting flows. Computer Aided Chemical Engineering, 2019, 45, 899-936.	0.3	2
153	Large Eddy Simulation and Experimental Study of a Controlled Coaxial Liquid-Air Jet. AIAA Journal, 2010, 48, 2596-2610.	1.5	1
154	ARC versus two-step chemistry and third-order versus second-order numeric scheme for Large Eddy Simulation of the Volvo burner. , 2018, , .		1
155	Brouillards dans les mÃ©langes vapeur gaz incondensable. Revue De Physique AppliquÃ©e, 1985, 20, 163-172.	0.4	1
156	Fundamentals of Computational Fluid Dynamics. By TAPAN K. SENGUPTA. Universities Press, Hyderabad, 2004. 350 pp. ISBN 81 7371 478 9. 750 Indian Rupees (paperback). Distributed by Orient Longman Ltd.. Journal of Fluid Mechanics, 2004, 513, 378-379.	1.4	0
157	Physical and Numerical Instabilities in Simulations of Reacting and Non Reacting Flows. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2019, , 119-185.	0.3	0