

Thierry Poinsot

List of Publications by Year in Descending Order

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

156
papers

11,311
citations

57
h-index

104
g-index

157
ext. papers

13,098
ext. citations

4.5
avg, IF

6.59
L-index

#	Paper	IF	Citations
156	Influence of hydrogen content and injection scheme on the describing function of swirled flames. <i>Combustion and Flame</i> , 2022 , 240, 111974	5.3	1
155	Comparison of a finite volume and two Lattice Boltzmann solvers for swirled confined flows. <i>Computers and Fluids</i> , 2022 , 241, 105463	2.8	0
154	On the impact of H ₂ -enrichment on flame structure and combustion dynamics of a lean partially-premixed turbulent swirling flame. <i>Combustion and Flame</i> , 2022 , 241, 112120	5.3	2
153	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	5.3	5
152	Direct numerical simulations and models for hot burnt gases jet ignition. <i>Combustion and Flame</i> , 2021 , 223, 407-422	5.3	10
151	Premixed flame ignition in high-speed flows over a backward facing step. <i>Combustion and Flame</i> , 2021 , 229, 111398	5.3	2
150	Generalization Capability of Convolutional Neural Networks for Progress Variable Variance and Reaction Rate Subgrid-Scale Modeling. <i>Energies</i> , 2021 , 14, 5096	3.1	1
149	Detection of precursors of combustion instability using convolutional recurrent neural networks. <i>Combustion and Flame</i> , 2021 , 233, 111558	5.3	3
148	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	5.3	3
147	High-performance CFD for Respiratory Droplet Turbulent Dispersion in a Ventilated City Bus. <i>International Journal of Computational Fluid Dynamics</i> , 2021 , 35, 758-777	1.2	1
146	Effects of liquid fuel/wall interaction on thermoacoustic instabilities in swirling spray flames. <i>Combustion and Flame</i> , 2020 , 219, 86-101	5.3	14
145	Suppression of instabilities of swirled premixed flames with minimal secondary hydrogen injection. <i>Combustion and Flame</i> , 2020 , 214, 266-276	5.3	32
144	Dynamics and control of premixed combustion systems based on flame transfer and describing functions. <i>Journal of Fluid Mechanics</i> , 2020 , 894,	3.7	31
143	A generalized non-reflecting inlet boundary condition for steady and forced compressible flows with injection of vortical and acoustic waves. <i>Computers and Fluids</i> , 2019 , 190, 503-513	2.8	6
142	Physical and Numerical Instabilities in Simulations of Reacting and Non Reacting Flows. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2019 , 119-185	0.6	
141	Introducing chemical kinetics into Large Eddy Simulation of turbulent reacting flows. <i>Computer Aided Chemical Engineering</i> , 2019 , 45, 899-936	0.6	2
140	A novel modal expansion method for low-order modeling of thermoacoustic instabilities in complex geometries. <i>Combustion and Flame</i> , 2019 , 206, 334-348	5.3	4

139	Large Eddy Simulation of Pre-Chamber Ignition in an Internal Combustion Engine. <i>Flow, Turbulence and Combustion</i> , 2019 , 103, 465-483	2.5	31
138	Training convolutional neural networks to estimate turbulent sub-grid scale reaction rates. <i>Combustion and Flame</i> , 2019 , 203, 255-264	5.3	70
137	Combustion noise: modeling and prediction. <i>CEAS Aeronautical Journal</i> , 2019 , 10, 101-122	1.3	8
136	A characteristic inlet boundary condition for compressible, turbulent, multispecies turbomachinery flows. <i>Computers and Fluids</i> , 2019 , 178, 41-55	2.8	16
135	A conceptual model of the flame stabilization mechanisms for a lifted Diesel-type flame based on direct numerical simulation and experiments. <i>Combustion and Flame</i> , 2019 , 201, 65-77	5.3	16
134	Influence of kinetics on DDT simulations. <i>Combustion and Flame</i> , 2019 , 200, 1-14	5.3	21
133	Analysis of mixing in high-explosive fireballs using small-scale pressurised spheres. <i>Shock Waves</i> , 2019 , 29, 339-353	1.6	7
132	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	5.3	27
131	Coupling heat transfer and large eddy simulation for combustion instability prediction in a swirl burner. <i>Combustion and Flame</i> , 2018 , 191, 239-251	5.3	18
130	Theoretical analysis and simulation of methane/air flame inhibition by sodium bicarbonate particles. <i>Combustion and Flame</i> , 2018 , 193, 313-326	5.3	30
129	Influence of flame-holder temperature on the acoustic flame transfer functions of a laminar flame. <i>Combustion and Flame</i> , 2018 , 188, 5-12	5.3	20
128	Delayed-time domain impedance boundary conditions (D-TDIBC). <i>Journal of Computational Physics</i> , 2018 , 371, 50-66	4.1	11
127	Prediction and control of combustion instabilities in real engines. <i>Proceedings of the Combustion Institute</i> , 2017 , 36, 1-28	5.9	296
126	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	3.7	11
125	LES reliability of the Volvo bluff-body stabilized ame dynamics 2017 ,		1
124	LES of explosions in venting chamber: A test case for premixed turbulent combustion models. <i>Combustion and Flame</i> , 2017 , 183, 207-223	5.3	27
123	Accounting for Acoustic Damping in a Helmholtz Solver. <i>AIAA Journal</i> , 2017 , 55, 1205-1220	2.1	13
122	Isolating strain and curvature effects in premixed flame/vortex interactions. <i>Journal of Fluid Mechanics</i> , 2017 , 831, 618-654	3.7	12

121	LES Study of Transverse Acoustic Instabilities in a Swirled Kerosene/Air Combustion Chamber. <i>Flow, Turbulence and Combustion</i> , 2016 , 96, 207-226	2.5	24
120	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	5.3	36
119	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	5.3	25
118	Numerical Benchmark for High-Reynolds-Number Supercritical Flows with Large Density Gradients. <i>AIAA Journal</i> , 2016 , 54, 1445-1460	2.1	41
117	Transmission and reflection of acoustic and entropy waves through a stator/rotor stage. <i>Journal of Sound and Vibration</i> , 2016 , 374, 260-278	3.9	20
116	Experimental and numerical study of cyclic variations in a Constant Volume Combustion chamber. <i>Combustion and Flame</i> , 2016 , 172, 49-61	5.3	16
115	LES study of deflagration to detonation mechanisms in a downsized spark ignition engine. <i>Combustion and Flame</i> , 2015 , 162, 2788-2807	5.3	104
114	LES of longitudinal and transverse self-excited combustion instabilities in a bluff-body stabilized turbulent premixed flame. <i>Combustion and Flame</i> , 2015 , 162, 4075-4083	5.3	57
113	DNS of Intrinsic ThermoAcoustic modes in laminar premixed flames. <i>Combustion and Flame</i> , 2015 , 162, 4331-4341	5.3	55
112	LES of knocking in engines using dual heat transfer and two-step reduced schemes. <i>Combustion and Flame</i> , 2015 , 162, 4304-4312	5.3	31
111	A methodology based on reduced schemes to compute autoignition and propagation in internal combustion engines. <i>Proceedings of the Combustion Institute</i> , 2015 , 35, 3001-3008	5.9	20
110	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	5.3	25
109	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	5.9	27
108	LES of bifurcation and hysteresis in confined annular swirling flows. <i>Computers and Fluids</i> , 2014 , 89, 167-178	5.3	9
107	Bistable swirled flames and influence on flame transfer functions. <i>Combustion and Flame</i> , 2014 , 161, 184-196	5.3	39
106	Simulation and modelling of the waves transmission and generation in a stator blade row in a combustion-noise framework. <i>Journal of Sound and Vibration</i> , 2014 , 333, 6090-6106	3.9	17
105	An analytical model for azimuthal thermoacoustic modes in an annular chamber fed by an annular plenum. <i>Combustion and Flame</i> , 2014 , 161, 1374-1389	5.3	68
104	Mixed acoustic-entropy combustion instabilities in gas turbines. <i>Journal of Fluid Mechanics</i> , 2014 , 749, 542-576	3.7	88

103	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	1.9	14
102	Compatibility of Characteristic Boundary Conditions with Radial Equilibrium in Turbomachinery Simulations. <i>AIAA Journal</i> , 2014 , 52, 2829-2839	2.1	14
101	A parallel multidomain strategy to compute turbulent flows in fan-stirred closed vessels. <i>Computers and Fluids</i> , 2014 , 101, 183-193	2.8	4
100	Symmetry breaking of azimuthal thermo-acoustic modes in annular cavities: a theoretical study. <i>Journal of Fluid Mechanics</i> , 2014 , 760, 431-465	3.7	37
99	Curvature and confinement effects for flame speed measurements in laminar spherical and cylindrical flames. <i>Combustion and Flame</i> , 2013 , 160, 1208-1214	5.3	29
98	Large-Eddy Simulation of combustion instabilities in a variable-length combustor. <i>Comptes Rendus - Mecanique</i> , 2013 , 341, 220-229	2.1	61
97	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
96	Analytical and Numerical Study of Combustion Noise Through a Subsonic Nozzle. <i>AIAA Journal</i> , 2013 , 51, 42-52	2.1	51
95	Using LES to predict ignition sequences and ignition probability of turbulent two-phase flames. <i>Combustion and Flame</i> , 2013 , 160, 1191-1207	5.3	38
94	Large Eddy Simulation of Vented Deflagration. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 11414-11423	3.9	22
93	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	6.7	113
92	Comparison of outflow boundary conditions for subsonic aeroacoustic simulations. <i>International Journal for Numerical Methods in Fluids</i> , 2012 , 68, 1207-1233	1.9	22
91	Large Eddy Simulations of gaseous flames in gas turbine combustion chambers. <i>Progress in Energy and Combustion Science</i> , 2012 , 38, 782-817	33.6	299
90	Acoustic and Large Eddy Simulation studies of azimuthal modes in annular combustion chambers. <i>Combustion and Flame</i> , 2012 , 159, 3398-3413	5.3	143
89	Modeling heat transfer in dilute two-phase flows using the Mesoscopic Eulerian Formalism. <i>International Journal of Heat and Mass Transfer</i> , 2012 , 55, 1486-1495	4.9	5
88	Large Eddy Simulation of combustion instabilities in a lean partially premixed swirled flame. <i>Combustion and Flame</i> , 2012 , 159, 621-637	5.3	207
87	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	5.3	117
86	A simple analytical model to study and control azimuthal instabilities in annular combustion chambers. <i>Combustion and Flame</i> , 2012 , 159, 2374-2387	5.3	53

85	Sensitivity analysis of transfer functions of laminar flames. <i>Combustion and Flame</i> , 2011 , 158, 2384-2394	5.3	59
84	Numerical and Physical Instabilities in Massively Parallel LES of Reacting Flows. <i>Journal of Scientific Computing</i> , 2011 , 49, 78-93	2.3	8
83	Large Eddy Simulation of a Motored Single-Cylinder Piston Engine: Numerical Strategies and Validation. <i>Flow, Turbulence and Combustion</i> , 2011 , 86, 153-177	2.5	62
82	Fuel injection model for Euler-Euler and Euler-Lagrange large-eddy simulations of an evaporating spray inside an aeronautical combustor. <i>International Journal of Multiphase Flow</i> , 2011 , 37, 514-529	3.6	80
81	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	5.3	38
80	High performance parallel computing of flows in complex geometries. <i>Comptes Rendus - Mecanique</i> , 2011 , 339, 104-124	2.1	42
79	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	3.9	62
78	LES study of cycle-to-cycle variations in a spark ignition engine. <i>Proceedings of the Combustion Institute</i> , 2011 , 33, 3115-3122	5.9	103
77	Comparison of Nonreflecting Outlet Boundary Conditions for Compressible Solvers on Unstructured Grids. <i>AIAA Journal</i> , 2010 , 48, 2348-2364	2.1	72
76	Large Eddy Simulation and Experimental Study of a Controlled Coaxial Liquid-Air Jet. <i>AIAA Journal</i> , 2010 , 48, 2596-2610	2.1	1
75	A two-step chemical scheme for kerosene-air premixed flames. <i>Combustion and Flame</i> , 2010 , 157, 1364-1373	3.3	168
74	Acoustically Nonreflecting and Reflecting Boundary Conditions for Vorticity Injection in Compressible Solvers. <i>AIAA Journal</i> , 2009 , 47, 1709-1722	2.1	29
73	Comparison of Direct and Indirect Combustion Noise Mechanisms in a Model Combustor. <i>AIAA Journal</i> , 2009 , 47, 2709-2716	2.1	87
72	Large eddy simulation of laser ignition and compressible reacting flow in a rocket-like configuration. <i>Combustion and Flame</i> , 2009 , 156, 1166-1180	5.3	69
71	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	4.9	11
70	Development and assessment of a coupled strategy for conjugate heat transfer with Large Eddy Simulation: Application to a cooled turbine blade. <i>International Journal of Heat and Fluid Flow</i> , 2009 , 30, 1129-1141	2.4	88
69	Evaluation of numerical strategies for large eddy simulation of particulate two-phase recirculating flows. <i>Journal of Computational Physics</i> , 2009 , 228, 539-564	4.1	62
68	Large Eddy Simulation of self excited azimuthal modes in annular combustors. <i>Proceedings of the Combustion Institute</i> , 2009 , 32, 2909-2916	5.9	241

67	Large eddy simulation of spark ignition in a turbulent methane jet. <i>Combustion and Flame</i> , 2009 , 156, 1993-2009	5.3	99
66	Massively parallel LES of azimuthal thermo-acoustic instabilities in annular gas turbines. <i>Comptes Rendus - Mecanique</i> , 2009 , 337, 385-394	2.1	55
65	Comparison of numerical methods and combustion models for LES of a ramjet. <i>Comptes Rendus - Mecanique</i> , 2009 , 337, 352-361	2.1	9
64	High performance parallel computing of flows in complex geometries: I. Methods. <i>Computational Science & Discovery</i> , 2009 , 2, 015003		48
63	High performance parallel computing of flows in complex geometries: II. Applications. <i>Computational Science & Discovery</i> , 2009 , 2, 015004		18
62	Thermo-Acoustic Stability of a Helicopter Gas Turbine Combustor Using Large Eddy Simulation. <i>International Journal of Aeroacoustics</i> , 2009 , 8, 69-93	2.1	25
61	A Tool to Study Azimuthal Standing and Spinning Modes in Annular Combustors. <i>International Journal of Aeroacoustics</i> , 2009 , 8, 57-67	2.1	29
60	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	1.8	24
59	Combustion Instability Problems Analysis for High-Pressure Jet Engine Cores. <i>Journal of Propulsion and Power</i> , 2008 , 24, 770-778	1.8	15
58	Growth of Rounding Errors and Repetitiveness of Large Eddy Simulations. <i>AIAA Journal</i> , 2008 , 46, 1773-1781	1.1	19
57	Boundary Conditions for Acoustic Eigenmodes Computation in Gas turbine Combustion Chambers. <i>AIAA Journal</i> , 2008 , 46, 2282-2292	2.1	32
56	LES of an ignition sequence in a gas turbine engine. <i>Combustion and Flame</i> , 2008 , 154, 2-22	5.3	208
55	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	3.7	213
54	Acoustic Modes in Combustors with Complex Impedances and Multidimensional Active Flames. <i>AIAA Journal</i> , 2007 , 45, 426-441	2.1	248
53	LES and experimental studies of cold and reacting flow in a swirled partially premixed burner with and without fuel modulation. <i>Combustion and Flame</i> , 2007 , 150, 40-53	5.3	69
52	Initial conditions for Large Eddy Simulations of piston engine flows. <i>Computers and Fluids</i> , 2007 , 36, 701-713	2.3	4
51	Vibration prediction in combustion chambers by coupling finite elements and large eddy simulations. <i>Journal of Sound and Vibration</i> , 2007 , 304, 224-229	3.9	12
50	Joint use of compressible large-eddy simulation and Helmholtz solvers for the analysis of rotating modes in an industrial swirled burner. <i>Combustion and Flame</i> , 2006 , 145, 194-205	5.3	83

49	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	1.2	9
48	Large-Eddy Simulation and Acoustic Analysis of a Swirled Staged Turbulent Combustor. <i>AIAA Journal</i> , 2006 , 44, 741-750	2.1	112
47	Large-eddy simulation for the prediction of aerodynamics in IC engines. <i>International Journal of Vehicle Design</i> , 2005 , 39, 368	2.4	21
46	Comparison and extension of methods for acoustic identification of burners. <i>Combustion and Flame</i> , 2005 , 142, 388-400	5.3	81
45	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	5.3	284
44	Thermoacoustic instabilities: Should the Rayleigh criterion be extended to include entropy changes?. <i>Combustion and Flame</i> , 2005 , 142, 153-159	5.3	125
43	Numerical methods for unsteady compressible multi-component reacting flows on fixed and moving grids. <i>Journal of Computational Physics</i> , 2005 , 202, 710-736	4.1	195
42	Experimental and Numerical Studies of Dilution Systems for Low-Emission Combustors. <i>AIAA Journal</i> , 2005 , 43, 1753-1766	2.1	22
41	Compressible large eddy simulation of turbulent combustion in complex geometry on unstructured meshes. <i>Combustion and Flame</i> , 2004 , 137, 489-505	5.3	350
40	Large eddy simulation predictions of mixing enhancement for jets in cross-flows. <i>Journal of Turbulence</i> , 2004 , 5,	2.1	30
39	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.. <i>Journal of Fluid Mechanics</i> , 2004 , 513, 378-379	3.7	
38	Contrail formation in aircraft wakes. <i>Journal of Fluid Mechanics</i> , 2004 , 502, 361-373	3.7	43
37	Actual Impedance of Nonreflecting Boundary Conditions: Implications for Computation of Resonators. <i>AIAA Journal</i> , 2004 , 42, 958-964	2.1	124
36	Interaction of flames of H ₂ + O ₂ with inert walls. <i>Combustion and Flame</i> , 2003 , 135, 123-133	5.3	65
35	Comparison of computational methodologies for ignition of diffusion layers. <i>Combustion Science and Technology</i> , 2003 , 175, 1783-1806	1.5	21
34	Transfer function measurements in a model combustor: Application to adaptive instability control. <i>Combustion Science and Technology</i> , 2003 , 175, 993-1013	1.5	41
33	Numerical simulation and modeling for lean stratified propane-air flames. <i>Combustion and Flame</i> , 2002 , 128, 1-21	5.3	114
32	Flow forcing techniques for numerical simulation of combustion instabilities. <i>Combustion and Flame</i> , 2002 , 131, 371-385	5.3	98

31	Asymptotic and numerical study of the stabilization of diffusion flames by hot gas. <i>Combustion and Flame</i> , 2000 , 120, 143-159	5.3	13
30	An unsteady laminar flamelet model for non-premixed combustion. <i>Combustion Theory and Modelling</i> , 2000 , 4, 77-97	1.5	40
29	A thickened flame model for large eddy simulations of turbulent premixed combustion. <i>Physics of Fluids</i> , 2000 , 12, 1843-1863	4.4	720
28	Direct numerical simulation of heat release and NO _x formation in turbulent nonpremixed flames. <i>Combustion and Flame</i> , 1999 , 119, 69-83	5.3	36
27	Large-Eddy Simulation of the Shock/Turbulence Interaction. <i>Journal of Computational Physics</i> , 1999 , 152, 517-549	4.1	431
26	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	1.9	106
25	DIRECT NUMERICAL SIMULATION OF NON-PREMIXED TURBULENT FLAMES. <i>Annual Review of Fluid Mechanics</i> , 1998 , 30, 655-691	2.2	188
24	Effects of pressure gradients on turbulent premixed flames. <i>Journal of Fluid Mechanics</i> , 1997 , 353, 83-114	4.7	76
23	Premixed flame-wall interaction in a turbulent channel flow: budget for the flame surface density evolution equation and modelling. <i>Journal of Fluid Mechanics</i> , 1997 , 349, 191-219	3.7	69
22	Vortex model to define safe aircraft separation distances. <i>Journal of Aircraft</i> , 1996 , 33, 547-553	1.6	26
21	Asymptotic and numerical study of diffusion flames with variable Lewis number and finite rate chemistry. <i>Combustion and Flame</i> , 1996 , 104, 111-137	5.3	52
20	Flame-wall interaction simulation in a turbulent channel flow. <i>Combustion and Flame</i> , 1996 , 107, 27-36	5.3	80
19	A Study of NO _x Reduction by Acoustic Excitation in a Liquid Fueled Burner. <i>Combustion Science and Technology</i> , 1996 , 119, 397-408	1.5	15
18	Effects of Mean Flow on Premixed Flame Ignition. <i>Combustion Science and Technology</i> , 1995 , 106, 19-39	1.5	34
17	Accurate Boundary Conditions for Multicomponent Reactive Flows. <i>Journal of Computational Physics</i> , 1995 , 116, 247-261	4.1	196
16	Applications of direct numerical simulation to premixed turbulent combustion. <i>Progress in Energy and Combustion Science</i> , 1995 , 21, 531-576	33.6	161
15	The evolution equation for the flame surface density in turbulent premixed combustion. <i>Journal of Fluid Mechanics</i> , 1994 , 278, 1-31	3.7	295
14	A comparison of flamelet models for premixed turbulent combustion. <i>Combustion and Flame</i> , 1993 , 95, 101-117	5.3	197

13	Direct simulation and modeling of flame-wall interaction for premixed turbulent combustion?. <i>Combustion and Flame</i> , 1993 , 95, 118-132	5.3	181
12	Low-frequency combustion instability mechanisms in a side-dump combustor. <i>Combustion and Flame</i> , 1993 , 94, 363-380	5.3	61
11	A review of active control of combustion instabilities. <i>Progress in Energy and Combustion Science</i> , 1993 , 19, 1-29	33.6	565
10	A Study of the Laminar Flame Tip and Implications for Premixed Turbulent Combustion. <i>Combustion Science and Technology</i> , 1992 , 81, 45-73	1.5	182
9	Active control: an investigation method for combustion instabilities. <i>Journal De Physique III</i> , 1992 , 2, 1331-1357		12
8	Stretching and quenching of flamelets in premixed turbulent combustion. <i>Combustion and Flame</i> , 1991 , 86, 311-332	5.3	310
7	Suppression of combustion instabilities by active control. <i>Journal of Propulsion and Power</i> , 1989 , 5, 14-20	1.8	87
6	A Nonlinear Model for Ducted Flame Combustion Instabilities. <i>Combustion Science and Technology</i> , 1988 , 61, 121-153	1.5	40
5	Active control of combustion instability. <i>Combustion and Flame</i> , 1987 , 70, 281-289	5.3	159
4	Experimental determination of the reflection coefficient of a premixed flame in a duct. <i>Journal of Sound and Vibration</i> , 1986 , 107, 265-278	3.9	34
3	The influence of differencing and CFL number on implicit time-dependent non-linear calculations. <i>Journal of Computational Physics</i> , 1986 , 62, 282-296	4.1	14
2	Mean temperature field effect on acoustic mode structure in dump combustor. <i>Journal of Propulsion and Power</i> , 1986 , 2, 311-316	1.8	9
1	Brouillards dans les mélanges vapeur gaz incondensable. <i>Revue De Physique Appliquée</i> , 1985 , 20, 163-172		1