Stephen B Pope

List of Publications by Year
in descending order

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164 papers	22,119 citations	19608 61 h-index	19136 118 g-index
167 all docs	167 docs citations	167 times ranked	8402 citing authors

#	Article	IF	Citations
1	Filtered Density Function Simulations of a Near-Limit Turbulent Lean Premixed Flame. Journal of Propulsion and Power, 2020, 36, 381-399.	1.3	11
2	A LES/PDF simulator on block-structured meshes. Combustion Theory and Modelling, 2019, 23, 1-41.	1.0	14
3	A combined PPAC-RCCE-ISAT methodology for efficient implementation of combustion chemistry. Combustion Theory and Modelling, 2019, 23, 1021-1053.	1.0	7
4	Large eddy simulation/probability density function simulations of the Cambridge turbulent stratified flame series. Combustion and Flame, 2019, 199, 24-45.	2.8	38
5	A Simple Approach for Specifying Velocity Inflow Boundary Conditions in Simulations of Turbulent Opposed-Jet Flows. Flow, Turbulence and Combustion, 2017, 98, 131-153.	1.4	5
6	Effects of molecular transport in LES/PDF of piloted turbulent dimethyl ether/air jet flames. Combustion and Flame, 2017, 176, 451-461.	2.8	25
7	Professor Robert William Bilger (1935â€“2015). Combustion and Flame, 2017, 179, A1-A2.	2.8	0
8	Characterization of extinction/reignition events in turbulent premixed counterflow flames using strain-rate analysis. Proceedings of the Combustion Institute, 2017, 36, 1919-1927.	2.4	8
9	LES/PDF for premixed combustion in the DNS limit. Combustion Theory and Modelling, 2016, 20, 834-865.	1.0	24
10	An investigation of turbulent premixed counterflow flames using large-eddy simulations and probability density function methods. Combustion and Flame, 2016, 166, 229-242.	2.8	31
11	An analysis of the structure of an n-dodecane spray flame using TPDF modelling. Combustion and Flame, 2016, 168, 420-435.	2.8	82
12	An a priori DNS study of the shadow-position mixing model. Combustion and Flame, 2016, 165, 223-245.	2.8	11
13	A pre-partitioned adaptive chemistry methodology for the efficient implementation of combustion chemistry in particle PDF methods. Combustion and Flame, 2015, 162, 3236-3253.	2.8	32
14	Specific volume coupling and convergence properties in hybrid particle/finite volume algorithms for turbulent reactive flows. Journal of Computational Physics, 2015, 294, 110-126.	1.9	30
15	The determination of turbulence-model statistics from the velocityâ€“acceleration correlation. Journal of Fluid Mechanics, 2014, 757, .	1.4	5
16	Ten Chapters in Turbulence. AIAA Journal, 2014, 52, 666-667.	1.5	0
17	Guidelines for the formulation of Lagrangian stochastic models for particle simulations of single-phase and dispersed two-phase turbulent flows. Physics of Fluids, 2014, 26, .	1.6	72
18	Large eddy simulation/probability density function simulations of bluff body stabilized flames. Combustion and Flame, 2014, 161, 3100-3133.	2.8	28

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19	Effects of combined dimension reduction and tabulation on the simulations of a turbulent premixed flame using a large-eddy simulation/probability density function method. Combustion Theory and Modelling, 2014, 18, 388-413.	1.0	51
20	Implicit and explicit schemes for mass consistency preservation in hybrid particle/finite-volume algorithms for turbulent reactive flows. Journal of Computational Physics, 2014, 257, 352-373.	1.9	16
21	Computational study of lean premixed turbulent flames using RANSPDF and LESPDF methods. Combustion Theory and Modelling, 2013, 17, 610-656.	1.0	50
22	A model for turbulent mixing based on shadow-position conditioning. Physics of Fluids, 2013, 25, .	1.6	51
23	Empirical low-dimensional manifolds in composition space. Combustion and Flame, 2013, 160, 1967-1980.	2.8	40
24	An investigation of mixing in a three-stream turbulent jet. Physics of Fluids, 2013, 25, 105105.	1.6	23
25	Small scales, many species and the manifold challenges of turbulent combustion. Proceedings of the Combustion Institute, 2013, 34, 1-31.	2.4	267
26	Simulations of a turbulent non-premixed flame using combined dimension reduction and tabulation for combustion chemistry. Fuel, 2013, 105, 636-644.	3.4	32
27	A novel transient turbulent jet flame for studying turbulent combustion. Proceedings of the Combustion Institute, 2013, 34, 1251-1259.	2.4	21
28	Large-scale parallel simulations of turbulent combustion using combined dimension reduction and tabulation of chemistry. Proceedings of the Combustion Institute, 2013, 34, 205-215.	2.4	40
29	A study of the rate-controlled constrained-equilibrium dimension reduction method and its different implementations. Combustion Theory and Modelling, 2013, 17, 260-293.	1.0	27
30	Large-eddy simulation/probability density function modeling of a non-premixed CO/H2 temporally evolving jet flame. Proceedings of the Combustion Institute, 2013, 34, 1241-1249.	2.4	67
31	EPVS-FMDF for LES of High-Speed Turbulent Flows. , 2012, , .		7
32	The Direct Richardson pth Order (DRp) Schemes: A New Class of Time Integration Schemes for Stochastic Differential Equations. SIAM Journal of Scientific Computing, 2012, 34, A137-A160.	1.3	0
33	Computationally-efficient and scalable parallel implementation of chemistry in simulations of turbulent combustion. Combustion and Flame, 2012, 159, 3096-3109.	2.8	27
34	Modelling effects of subgrid-scale mixture fraction variance in LES of a piloted diffusion flame. Combustion Theory and Modelling, 2012, 16, 611-638.	1.0	37
35	Turbulence Resolution Scale Dependence in Large-Eddy Simulations of a Jet Flame. Flow, Turbulence and Combustion, 2012, 88, 529-561.	1.4	12
36	Turbulent piloted partially-premixed flames with varying levels of O₂/N₂: stability limits and PDF calculations. Combustion Theory and Modelling, 2011, 15, 773-793.	1.0	12

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37	Combined dimension reduction and tabulation strategy using ISATâ€“RCCEâ€“GALI for the efficient implementation of combustion chemistry. Combustion and Flame, 2011, 158, 2113-2127.	2.8	55
38	Simple models of turbulent flows. Physics of Fluids, 2011, 23, .	1.6	70
39	Molecular diffusion effects in LES of a piloted methaneâ€“air flame. Combustion and Flame, 2011, 158, 240-254.	2.8	36
40	Numerical implementation of mixing and molecular transport in LES/PDF studies of turbulent reacting flows. Journal of Computational Physics, 2011, 230, 6916-6957.	1.9	42
41	Large eddy simulation/probability density function modeling of a turbulent <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si195.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CH</mml:mtext></mml:mrow><mml:mrow><mml:mn>4</mm Proceedings of the Combustion Institute, 2011, 33, 1319-1330.	2.4	92
42	Reduced description of reactive flows with tabulation of chemistry. Combustion Theory and Modelling, 2011, 15, 827-848.	1.0	43
43	PDF calculations of piloted premixed jet flames. Combustion Theory and Modelling, 2011, 15, 245-266.	1.0	34
44	Weak second-order splitting schemes for Lagrangian Monte Carlo particle methods for the composition PDF/FDF transport equations. Journal of Computational Physics, 2010, 229, 1852-1878.	1.9	40
45	Self-conditioned fields for large-eddy simulations of turbulent flows. Journal of Fluid Mechanics, 2010, 652, 139-169.	1.4	61
46	A greedy algorithm for species selection in dimension reduction of combustion chemistry. Combustion Theory and Modelling, 2010, 14, 619-652.	1.0	39
47	Simulation of Sandia Flame D Using Velocity-Scalar Filtered Density Function. AIAA Journal, 2010, 48, 1513-1522.	1.5	49
48	Efficient Implementation of Chemistry in Computational Combustion. Flow, Turbulence and Combustion, 2009, 82, 437-453.	1.4	35
49	Sensitivity calculations in PDF modelling of turbulent flames. Proceedings of the Combustion Institute, 2009, 32, 1629-1637.	2.4	21
50	An improved algorithm for in situ adaptive tabulation. Journal of Computational Physics, 2009, 228, 361-386.	1.9	125
51	Computationally efficient implementation of combustion chemistry in parallel PDF calculations. Journal of Computational Physics, 2009, 228, 5490-5525.	1.9	38
52	The parabolic edge reconstruction method (PERM) for Lagrangian particle advection. Journal of Computational Physics, 2008, 227, 5447-5491.	1.9	28
53	Second-order splitting schemes for a class of reactive systems. Journal of Computational Physics, 2008, 227, 8165-8176.	1.9	66
54	An accurate time advancement algorithm for particle tracking. Journal of Computational Physics, 2008, 227, 8792-8806.	1.9	6

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55	Sensitivity calculations in PDF particle methods. Combustion and Flame, 2008, 153, 202-215.	2.8	9
56	Lagrangian investigation of local extinction, re-ignition and auto-ignition in turbulent flames. Combustion Theory and Modelling, 2008, 12, 857-882.	1.0	40
57	Turbulent dispersion from line sources in grid turbulence. Physics of Fluids, 2008, 20, .	1.6	28
58	Time-averaging strategies in the finite-volume/particle hybrid algorithm for the joint PDF equation of turbulent reactive flows. Combustion Theory and Modelling, 2008, 12, 529-544.	1.0	24
59	Universal Intermittent Properties of Particle Trajectories in Highly Turbulent Flows. Physical Review Letters, 2008, 100, 254504.	2.9	145
60	Transport-chemistry coupling in the reduced description of reactive flows. Combustion Theory and Modelling, 2007, 11, 715-739.	1.0	25
61	High-Speed Function Approximation. , 2007, , .		8
62	Lagrangian conditional statistics, acceleration and local relative motion in numerically simulated isotropic turbulence. Journal of Fluid Mechanics, 2007, 582, 399-422.	1.4	39
63	A conditionally cubic-Gaussian stochastic Lagrangian model for acceleration in isotropic turbulence. Journal of Fluid Mechanics, 2007, 582, 423-448.	1.4	29
64	A numerical study of auto-ignition in turbulent lifted flames issuing into a vitiated co-flow. Combustion Theory and Modelling, 2007, 11, 351-376.	1.0	110
65	Reduced Description of Complex Dynamics in Reactive Systems. Journal of Physical Chemistry A, 2007, 111, 8464-8474.	1.1	16
66	Application of the ICE-PIC method for the dimension reduction of chemical kinetics coupled with transport. Proceedings of the Combustion Institute, 2007, 31, 473-481.	2.4	33
67	The effect of mixing models in PDF calculations of piloted jet flames. Proceedings of the Combustion Institute, 2007, 31, 1543-1550.	2.4	100
68	A particle formulation for treating differential diffusion in filtered density function methods. Journal of Computational Physics, 2007, 226, 947-993.	1.9	109
69	Transport budgets in turbulent lifted flames of methane autoigniting in a vitiated co-flow. Combustion and Flame, 2007, 151, 495-511.	2.8	113
70	Modeling unsteady reacting flow with operator splitting and ISAT. Combustion and Flame, 2006, 147, 150-162.	2.8	36
71	Comparative study of micromixing models in transported scalar PDF simulations of turbulent nonpremixed bluff body flames. Combustion and Flame, 2006, 146, 109-130.	2.8	41
72	The use of slow manifolds in reactive flows. Combustion and Flame, 2006, 147, 243-261.	2.8	47

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73	Operator-splitting with ISAT to model reacting flow with detailed chemistry. Combustion Theory and Modelling, 2006, 10, 199-217.	1.0	69
74	The geometry of reaction trajectories and attracting manifolds in composition space. Combustion Theory and Modelling, 2006, 10, 361-388.	1.0	19
75	The invariant constrained equilibrium edge preimage curve method for the dimension reduction of chemical kinetics. Journal of Chemical Physics, 2006, 124, 114111.	1.2	87
76	Species reconstruction using pre-image curves. Proceedings of the Combustion Institute, 2005, 30, 1293-1300.	2.4	36
77	Calculations of bluff-body stabilized flames using a joint probability density function model with detailed chemistry. Combustion and Flame, 2005, 141, 89-117.	2.8	68
78	Turbulent lifted flames in a vitiated coflow investigated using joint PDF calculations. Combustion and Flame, 2005, 142, 438-453.	2.8	154
79	The influence of chemical mechanisms on PDF calculations of nonpremixed piloted jet flamesâ˜†. Combustion and Flame, 2005, 143, 450-470.	2.8	116
80	Title is missing!. Combustion and Flame, 2005, 143, 339-341.	2.8	1
81	The performance ofin situadaptive tabulation in computations of turbulent flames. Combustion Theory and Modelling, 2005, 9, 549-568.	1.0	27
82	Experimental study of velocity filtered joint density function for large eddy simulation. Physics of Fluids, 2004, 16, 3599-3613.	1.6	34
83	Accessed Compositions in Turbulent Reactive Flows. Flow, Turbulence and Combustion, 2004, 72, 219-243.	1.4	23
84	An investigation of the performance of turbulent mixing models. Combustion and Flame, 2004, 136, 208-216.	2.8	89
85	Entropy production and element conservation in the quasi-steady-state approximation. Combustion and Flame, 2004, 137, 251-254.	2.8	23
86	Gibbs function continuation for the stable computation of chemical equilibrium. Combustion and Flame, 2004, 139, 222-226.	2.8	47
87	A more accurate projection in the rate-controlled constrained-equilibrium method for dimension reduction of combustion chemistry. Combustion Theory and Modelling, 2004, 8, 255-279.	1.0	40
88	Exploiting ISAT to solve the reactionâ€"diffusion equation. Combustion Theory and Modelling, 2004, 8, 361-383.	1.0	60
89	Computational Models for Turbulent Reacting Flows. By R. O. FOX. Cambridge University Press, 2003. 438 pp. ISBN 0521 650496, 80 or $120 (hardback); ISBN 0521 6590780, 39.95 or $55 (paperback). Journal of Fluid Mechanics, 2004, 504, 407-409.	1.4	0
90	Ten questions concerning the large-eddy simulation of turbulent flows. New Journal of Physics, 2004, 6, 35-35.	1.2	830

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91	PDF modeling of a bluff-body stabilized turbulent flame. Combustion and Flame, 2003, 132, 115-137.	2.8	77
92	Numerical integration of stochastic differential equations: weak second-order mid-point scheme for application in the composition PDF method. Journal of Computational Physics, 2003, 185, 194-212.	1.9	28
93	Comment on the article â€œAn effective particle tracing scheme on structured/unstructured grids in hybrid finite volume/PDF Monte Carlo methodsâ€•by Li and Modest. Journal of Computational Physics, 2003, 186, 356-358.	1.9	11
94	A stochastic Lagrangian model for acceleration in turbulent flows. Physics of Fluids, 2002, 14, 2360.	1.6	48
95	Coagulation-induced particle-concentration fluctuations in homogeneous, isotropic turbulence. Physics of Fluids, 2002, 14, 2447.	1.6	15
96	Stochastic Lagrangian models of velocity in homogeneous turbulent shear flow. Physics of Fluids, 2002, 14, 1696-1702.	1.6	59
97	Implementation of combustion chemistry by in situ adaptive tabulation of rate-controlled constrained equilibrium manifolds. Proceedings of the Combustion Institute, 2002, 29, 1411-1417.	2.4	52
98	A Hybrid Algorithm for the Joint PDF Equation of Turbulent Reactive Flows. Journal of Computational Physics, 2001, 166, 218-252.	1.9	169
99	PDF Simulations of a Bluff-Body Stabilized Flow. Journal of Computational Physics, 2001, 169, 1-23.	1.9	54
100	The Hybrid Method for the PDF Equations of Turbulent Reactive Flows: Consistency Conditions and Correction Algorithms. Journal of Computational Physics, 2001, 172, 841-878.	1.9	136
101	In Situ Detailed Chemistry Calculations in Combustor Flow Analyses. Journal of Engineering for Gas Turbines and Power, 2001, 123, 747-756.	0.5	49
102	PDF calculations of turbulent nonpremixed flames with local extinction. Combustion and Flame, 2000, 123, 281-307.	2.8	244
103	Probability density function calculations of local extinction and no production in piloted-jet turbulent methane/air flames. Proceedings of the Combustion Institute, 2000, 28, 133-139.	2.4	126
104	PDF simulations of turbulent combustion incorporating detailed chemistry. Combustion and Flame, 1999, 117, 340-350.	2.8	34
105	Comparison of mixing model performance for nonpremixed turbulent reactive flow. Combustion and Flame, 1999, 117, 732-754.	2.8	52
106	Assessment of Numerical Accuracy of PDF/Monte Carlo Methods for Turbulent Reacting Flows. Journal of Computational Physics, 1999, 152, 192-230.	1.9	93
107	A Consistent Hybrid Finite-Volume/Particle Method for the PDF Equations of Turbulent Reactive Flows. Journal of Computational Physics, 1999, 154, 342-371.	1.9	146
108	Filtered mass density function for large-eddy simulation of turbulent reacting flows. Journal of Fluid Mechanics, 1999, 401, 85-121.	1.4	302

#	Article	IF	Citations
109	A Perspective on Turbulence Modeling. ICASE/LaRC Interdisciplinary Series in Science and Engineering, 1999, , 53-67.	0.1	15
110	Direct numerical simulation of a statistically stationary, turbulent reacting flow. Combustion Theory and Modelling, 1999, 3, 371-408.	1.0	20
111	An investigation of the accuracy of manifold methods and splitting schemes in the computational implementation of combustion chemistry. Combustion and Flame, 1998, 112, 16-32.	2.8	136
112	Treating chemistry in combustion with detailed mechanismsâ€"In situ adaptive tabulation in principal directionsâ€"Premixed combustion. Combustion and Flame, 1998, 112, 85-112.	2.8	65
113	A mixing model for turbulent reactive flows based on Euclidean minimum spanning trees. Combustion and Flame, 1998, 115, 487-514.	2.8	370
114	A deterministic forcing scheme for direct numerical simulations of turbulence. Computers and Fluids, 1998, 27, 11-28.	1.3	66
115	PDF calculations of major and minor species in a turbulent piloted jet flame. Proceedings of the Combustion Institute, 1998, 27, 1081-1086.	0.3	32
116	Probability density function/Monte Carlo simulation of near-wall turbulent flows. Journal of Fluid Mechanics, 1998, 357, 141-166.	1.4	64
117	The vanishing effect of molecular diffusivity on turbulent dispersion: implications for turbulent mixing and the scalar flux. Journal of Fluid Mechanics, 1998, 359, 299-312.	1.4	83
118	Wall-function treatment in pdf methods for turbulent flows. Physics of Fluids, 1997, 9, 2692-2703.	1.6	28
119	Probability density function and Reynoldsâ€stress modeling of nearâ€wall turbulent flows. Physics of Fluids, 1997, 9, 154-163.	1.6	86
120	PDF Model Calculations of Compressible Turbulent Flows Using Smoothed Particle Hydrodynamics. Journal of Computational Physics, 1997, 134, 150-168.	1.9	39
121	Particle Method for Turbulent Flows: Integration of Stochastic Model Equations. Journal of Computational Physics, 1995, 117, 332-349.	1.9	62
122	Modeling of extinction in turbulent diffusion flames by the velocity-dissipation-composition PDF method. Combustion and Flame, 1995, 100, 211-220.	2.8	53
123	Nonpremixed turbulent reacting flow near extinction. Combustion and Flame, 1995, 101, 501-528.	2.8	38
124	PDF calculations of turbulent nonpremixed flames of using reduced chemical mechanisms. Combustion and Flame, 1993, 95, 133-150.	2.8	25
125	Stationary probability density functions: An exact result. Physics of Fluids A, Fluid Dynamics, 1993, 5, 1529-1531.	1.6	67
126	Differential diffusion of passive scalars in isotropic turbulence. Physics of Fluids A, Fluid Dynamics, 1993, 5, 2467-2478.	1.6	52

#	Article	IF	Citations
127	Propagating surfaces in isotropic turbulence. Journal of Fluid Mechanics, 1992, 234, 247.	1.4	55
128	Simplifying chemical kinetics: Intrinsic low-dimensional manifolds in composition space. Combustion and Flame, 1992, 88, 239-264.	2.8	1,283
129	Application of the velocityâ€dissipation probability density function model to inhomogeneous turbulent flows. Physics of Fluids A, Fluid Dynamics, 1991, 3, 1947-1957.	1.6	52
130	Turbulent mixing model based on ordered pairing. Combustion and Flame, 1991, 83, 27-42.	2.8	47
131	PDF calculations of piloted turbulent nonpremixed flames of methane. Combustion and Flame, 1990, 81, 13-29.	2.8	59
132	Straining and scalar dissipation on material surfaces in turbulence: Implications for flamelets. Combustion and Flame, 1990, 79, 340-365.	2.8	128
133	The velocityâ€dissipation probability density function model for turbulent flows. Physics of Fluids A, Fluid Dynamics, 1990, 2, 1437-1449.	1.6	141
134	A diffusion model for velocity gradients in turbulence. Physics of Fluids A, Fluid Dynamics, 1990, 2, 242-256.	1.6	114
135	Material-element deformation in isotropic turbulence. Journal of Fluid Mechanics, 1990, 220, 427-458.	1.4	182
136	The curvature of material surfaces in isotropic turbulence. Physics of Fluids A, Fluid Dynamics, 1989, 1, 2010-2018.	1.6	69
137	Lagrangian statistics from direct numerical simulations of isotropic turbulence. Journal of Fluid Mechanics, 1989, 207, 531-586.	1.4	448
138	The evolution of surfaces in turbulence. International Journal of Engineering Science, 1988, 26, 445-469.	2.7	407
139	Assessment of a partial-equilibrium/monte carlo model for turbulent syngas flames. Combustion and Flame, 1988, 72, 159-173.	2.8	29
140	An algorithm for tracking fluid particles in numerical simulations of homogeneous turbulence. Journal of Computational Physics, 1988, 79, 373-416.	1.9	290
141	An examination of forcing in direct numerical simulations of turbulence. Computers and Fluids, 1988, 16, 257-278.	1.3	563
142	Direct numerical simulations of the turbulent mixing of a passive scalar. Physics of Fluids, 1988, 31, 506.	1.4	448
143	Consistency conditions for random-walk models of turbulent dispersion. Physics of Fluids, 1987, 30, 2374.	1.4	69
144	A pdf modeling study of self-similar turbulent free shear flows. Physics of Fluids, 1987, 30, 1026.	1.4	97

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145	Turbulent Premixed Flames. Annual Review of Fluid Mechanics, 1987, 19, 237-270.	10.8	156
146	Calculations of premixed turbulent flames by PDF methods. Combustion and Flame, 1987, 67, 127-142.	2.8	121
147	Monte Carlo solutions of a joint PDF equation for turbulent flows in general orthogonal coordinates. Journal of Computational Physics, 1987, 72, 311-346.	1.9	31
148	A generalized Langevin model for turbulent flows. Physics of Fluids, 1986, 29, 387.	1.4	282
149	A second-order Monte Carlo method for the solution of the Ito stochastic differential equation. Stochastic Analysis and Applications, 1986, 4, 151-186.	0.9	21
150	Probability Calculations for Turbulent Jet Flows with Mixing and Reaction of NO and O3. Combustion Science and Technology, 1984, 37, 59-78.	1.2	17
151	Monte Carlo Calculations of Turbulent Diffusion Flames. Combustion Science and Technology, 1984, 42, 13-45.	1.2	34
152	Calculations of a Plane Turbulent Jet. AIAA Journal, 1984, 22, 896-904.	1.5	37
153	A Lagrangian two-time probability density function equation for inhomogeneous turbulent flows. Physics of Fluids, 1983, 26, 3448.	1.4	56
154	Consistent modeling of scalars in turbulent flows. Physics of Fluids, 1983, 26, 404.	1.4	96
155	An Improved Turbulent Mixing Model. Combustion Science and Technology, 1982, 28, 131-145.	1.2	143
156	Transport equation for the joint probability density function of velocity and scalars in turbulent flow. Physics of Fluids, 1981, 24, 588.	1.4	93
157	The relationship between the probability approach and particle models for reaction in homogeneous turbulence. Combustion and Flame, 1979, 35, 41-45.	2.8	22
158	Author's reply to C. Dopazo's comments on â€œThe probability approach to the modelling of turbulent reacting flowsâ€• Combustion and Flame, 1979, 34, 103-105.	2.8	4
159	The calculation of turbulent recirculating flows in general orthogonal coordinates. Journal of Computational Physics, 1978, 26, 197-217.	1.9	120
160	An explanation of the turbulent round-jet/plane-jet anomaly. AIAA Journal, 1978, 16, 279-281.	1.5	540
161	The implications of the probability equations for turbulent combustion models. Combustion and Flame, 1977, 29, 235-246.	2.8	8
162	The calculation of near-wake flows. Journal of Fluid Mechanics, 1976, 73, 9-32.	1.4	151

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163	The probability approach to the modelling of turbulent reacting flows. Combustion and Flame, 1976, 27, 299-312.	2.8	173
164	A more general effective-viscosity hypothesis. Journal of Fluid Mechanics, 1975, 72, 331.	1.4	714