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Small-scale variation of convected quantities like temperature in turbulent fluid Part 1. General discussion and the case of small conductivity

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1517	The natural occurrence of turbulence. 1959 , 64, 2112-2115		10
1516	On the spectrum of electron density produced by turbulence in the ionosphere in the presence of a magnetic field. 1959 , 64, 2198-2199		3
1515	Small-scale variation of convected quantities like temperature in turbulent fluid Part 2. The case of large conductivity. <i>Journal of Fluid Mechanics</i> , 1959 , 5, 134	3.7	235
1514	Temperature fluctuations over a heated horizontal surface. <i>Journal of Fluid Mechanics</i> , 1959 , 5, 209	3.7	171
1513	A statistical theory of ionospheric drifts. 1960 , 5, 553-570		5
1512	Radio Transmission by Ionospheric and Tropospheric Scatter. 1960 , 48, 4-44		17
1511	The multiple scattering of waves by weak random irregularities in the medium. 1960 , 252, 431-462		9
1510	An approximate equation for the spectrum of a conserved scalar quantity in a turbulent fluid. <i>Journal of Fluid Mechanics</i> , 1960 , 9, 104	3.7	27
1509	The effect of turbulence and magnetic field on electron density fluctuations in the ionosphere. <i>Journal of Fluid Mechanics</i> , 1960 , 8, 545	3.7	6
1508	The reactant concentration spectrum in turbulent mixing with a first-order reaction. <i>Journal of Fluid Mechanics</i> , 1961 , 11, 407	3.7	74
1507	The anisotropy of turbulence at the meteor level. 1961 , 21, 210-213		72
1506	Decay of temperature fluctuations in homogeneous turbulence before the final period. 1961 , 1, 312-324		10
1505	Studies of turbulent diffusion of dye patches in the ocean. 1962 , 67, 3213-3216		6
1504	On the Lagrangean equations of the hydrodynamics of an incompressible viscous fluid. 1962 , 26, 458-468		4
1503	On the fine-scale structure of vector fields convected by a turbulent fluid. <i>Journal of Fluid Mechanics</i> , 1963 , 16, 545-572	3.7	77
1502	The effect of the Earth's magnetic field on irregularities of ionization in the E layer. 1963 , 68, 1303-1320		8
1501	The universal equilibrium spectra of turbulent velocity and scalar fields. <i>Journal of Fluid Mechanics</i> , 1963 , 16, 365	3.7	198

1500	Turbulent diffusion in a stratified fluid. <i>Journal of Fluid Mechanics</i> , 1963 , 15, 174	3-7	24
1499	Growth of a Weak Magnetic Field in a Turbulent Conducting Fluid with Large Magnetic Prandtl Number. 1963 , 6, 632		5
1498	Further Generalization of Onsager's Cascade Model for Turbulent Spectra. 1964 , 7, 1156		98
1497	Mixed Lagrangian-Eulerian Approach to Turbulent Dispersion. 1964 , 7, 1717		1
1496	A quasi-one-dimensional treatment of chemical reactions in turbulent wakes of hypersonic objects. 1964 , 2, 1214-1222		24
1495	Intensity of segregation as a measure of incomplete mixing. 1964 , 42, 65-68		10
1494	Statistical behavior of a turbulent multicomponent mixture with first-order reactions. 1964 , 2, 1550-1559		17
1493	Backscatter of electromagnetic radiation from a turbulent plasma. 1964 , 69, 869		28
1492	The amplification of a weak magnetic field by turbulent motion of a fluid of large conductivity. <i>Journal of Fluid Mechanics</i> , 1964 , 18, 449	3-7	5
1491	Daytime Thermal Fluctuations in the Lower Atmosphere. 1964 , 3, 1329		27
1490	Radio Wave Scattering in the Ionosphere. 1964 , 55-176		14
1489	The interpretation of stellar shadow-bands as a consequence of turbulent mixing. 1965 , 91, 1-9		7
1488	Concentration intermittency in jets. 1965 , 10, 1253-1263		14
1487	Structure of Turbulent Velocity and Scalar Fields at Large Wavenumbers. 1965 , 8, 1063		290
1486	Fluid Motion and Mixing. 1966 , 7-110		3
1485	Turbulent temperature fluctuations in mercury and ethylene glycol in pipe flow. 1966 , 9, 215-227		28
1484	Turbulent dispersion in a pipe flow. 1966 , 12, 964-972		24
1483	A bimodal approximation for reacting turbulent flows. I - Description of the model.. 1966 , 4, 202-209		11

1482	On the light-scatter technique for the study of turbulence and mixing. <i>Journal of Fluid Mechanics</i> , 1967 , 30, 259-284	3.7	82
1481	The scalar spectrum in the viscous-convective subrange. <i>Journal of Fluid Mechanics</i> , 1967 , 29, 151-163	3.7	29
1480	Measurements of turbulent velocity and temperature fluctuations in the wake of a sphere. 1967 ,		
1479	Mixing and Chemical Reactions. 1967 , 115-168		
1478	Concentration fluctuations in ducted turbulent jets. 1967 , 11, 791-798		3
1477	The spectrum of temperature fluctuations in turbulent flow. <i>Journal of Fluid Mechanics</i> , 1968 , 34, 423-442	3.7	153
1476	The dynamic response of towed thermometers. <i>Journal of Fluid Mechanics</i> , 1968 , 34, 449-464	3.7	25
1475	Reaction product fluctuations in a sphere wake. 1968 ,		1
1474	Measurements of turbulent velocity and temperature fluctuations in the wake of a sphere.. 1968 , 6, 642-649		32
1473	Spectral characterization of dielectric constant fluctuation in hypersonic wake plasmas. 1969 , 7, 1853-1861		6
1472	Fluctuation Intensity of Passive Species in a Turbulent Subsonic Jet. 1969 , 7, 90-95		4
1471	Turbulence Spectra in a Stably Stratified Boundary Layer. 1969 , 4, 1163-1168		5
1470	The effect of imperfect mixing on stirred combustion reactors. 1969 , 12, 901-912		20
1469	Transport phenomena in free turbulent flows. 1969 , 12, 489-496		7
1468	Measurement of temperature noise in an out-of-pile heat transfer loop. 1969 , 23, 99-111		5
1467	Spectral measurements of temperature and longitudinal velocity fluctuations in fully developed pipe flow. 1970 , 13, 1313-1329		58
1466	Reaction product fluctuations in a sphere wake. 1970 , 8, 1859-1863		20
1465	Statistics of the fine structure of turbulent velocity and temperature fields measured at high Reynolds number. <i>Journal of Fluid Mechanics</i> , 1970 , 41, 153-167	3.7	107

1464	Convergent to turbulence functions. <i>Journal of Fluid Mechanics</i> , 1970 , 41, 189-217	3.7	96
1463	Inertial-range transfer in two- and three-dimensional turbulence. <i>Journal of Fluid Mechanics</i> , 1971 , 47, 525-535	3.7	556
1462	Detection of rapid electrical conductivity fluctuations in high temperature liquid metals. 1972 , 5, 349-353		4
1461	Role of Turbulence Intermittency on the Scattering of Electromagnetic Waves by Underdense Plasmas. 1972 , 18, 14-20		
1460	Atmospheric electricity, turbulence and a pseudo-sunrise effect resulting from a solar eclipse. 1972 , 34, 567-572		8
1459	On Turbulent Flows with Fast Chemical Reactions Part I: The Closure Problem. 1972 , 6, 23-28		16
1458	Random geometric problems suggested by turbulence. 1972 , 300-316		7
1457	Experiment on the geometry of the fine-structure regions in fully turbulent fluid. <i>Journal of Fluid Mechanics</i> , 1972 , 56, 447	3.7	108
1456	An investigation of high-wavenumber temperature and velocity spectra in air. <i>Journal of Fluid Mechanics</i> , 1972 , 55, 473	3.7	35
1455	Structure of turbulent velocity and temperature fields in ethylene glycol pipe flow at low reynolds number. 1972 , 15, 127-145		21
1454	Power spectra of temperature and salinity fluctuations in the slope water off Cape Hatteras. 1972 , 96, 205-216		2
1453	The velocity measurement of phase objects. 1972 , 4, 441-449		
1452	Spectral measurements of turbulent heat and momentum transfer in fully developed pipe flow. 1973 , 16, 2141-2154		32
1451	Spectral transfer of scalar and velocity fields in heated-grid turbulence. <i>Journal of Fluid Mechanics</i> , 1973 , 58, 233	3.7	90
1450	Structure of the reactant and product of a turbulent second-order reaction at large wave numbers. 1973 , 44, 197-200		2
1449	Inertial-Range Spectrum of Turbulence. 1973 , 31, 744-746		5
1448	Turbulent free convection flow. 1974 , 17, 161-172		28
1447	Turbulent shear flow mixing and rapid chemical reactions: an analogy. <i>Journal of Fluid Mechanics</i> , 1974 , 64, 195-206	3.7	29

1446	Convection of a passive scalar by a quasi-uniform random straining field. <i>Journal of Fluid Mechanics</i> , 1974 , 64, 737-762	3.7	215
1445	On Kolmogorov's inertial-range theories. <i>Journal of Fluid Mechanics</i> , 1974 , 62, 305-330	3.7	280
1444	Turbulent Diffusion of Rapidly Reacting Chemical Species. 1975 , 341-348		1
1443	Further experiments on turbulent jet diffusion flames. 1975 , 15, 541-552		19
1442	Diffusion of a passive scalar at large Prandtl number according to the abridged Lagrangian interaction theory. 1975 , 18, 1393		10
1441	Statistical dynamics of two-dimensional flow. <i>Journal of Fluid Mechanics</i> , 1975 , 67, 155-175	3.7	285
1440	Turbulent Diffusion of Heat and Momentum in the Ocean. 1975 , 18, 353-370		3
1439	Spatial scales of current speed and phytoplankton biomass fluctuations in lake tahoe. 1975 , 189, 1088-90		99
1438	Spectrum of Small-Scale Oceanic Temperature Gradients. 1976 , 33, 2296-2306		19
1437	Diffusion and deionization near the stratopause from a meteorlike reentry. 1976 , 81, 4685-4695		2
1436	Temperature and salinity microstructure in the Pacific equatorial undercurrent. 1976 , 81, 1180-1196		51
1435	A theory for sedimentation in a turbulent fluid. 1976 , 33, 705-718		
1434	On a model of turbulent diffusion. 1976 , 32, 45-59		3
1433	Reaction zone thickness and formation of nitric oxide in turbulent diffusion flames. 1976 , 26, 115-123		23
1432	Turbulent jet diffusion flames. 1976 , 1, 87-109		330
1431	Homogeneous Turbulent Mixing with Chemical Reaction. 1976 , 8, 135-161		93
1430	Dissipative, forced turbulence in two-dimensional magnetohydrodynamics. 1977 , 17, 369-398		109
1429	The diffusion of scalar and vector fields by homogeneous stationary turbulence. <i>Journal of Fluid Mechanics</i> , 1977 , 83, 129-140	3.7	32

1428	Microscale temperature and velocity spectra in the atmospheric boundary layer. <i>Journal of Fluid Mechanics</i> , 1977 , 83, 547-567	3.7	119
1427	Influence of helicity on the evolution of isotropic turbulence at high Reynolds number. <i>Journal of Fluid Mechanics</i> , 1977 , 81, 187	3.7	241
1426	An investigation of strong fluctuations of light intensity in a turbulent medium at a small wave parameter. 1977 , 20, 705-714		15
1425	Etude spectrale des mecanismes d'echange entre champ cinematique et champ scalaire. 1978 , 21, 1009-1018		2
1424	Zur spektralen Verteilung von Temperatur- und Konzentrationsschwankungen in turbulenten Strömungen. 1978 , 490, 19-28		2
1423	Models of the scalar spectrum for turbulent advection. <i>Journal of Fluid Mechanics</i> , 1978 , 88, 541-562	3.7	218
1422	Statistical features of heat transfer in grid-generated turbulence: constant-gradient case. <i>Journal of Fluid Mechanics</i> , 1978 , 86, 513-543	3.7	30
1421	The multiple-scale cumulant expansion for isotropic turbulence. <i>Journal of Fluid Mechanics</i> , 1978 , 85, 97-142	3.7	28
1420	Modified spectrum of atmospheric temperature fluctuations and its application to optical propagation. 1978 , 68, 892		203
1419	Optical propagation in turbulent water. 1978 , 68, 1067		63
1418	A model of second-order chemical reactions in turbulent fluid [part I. Formulation and validation. 1978 , 12, 1685-1694		18
1417	Lognormality of gradients of advected scalars. 1978 , 21, 883		6
1416	Zero gradient points in turbulent mixing. 1978 , 347-352		
1415	Experimental investigation of a turbulent field from temperature fluctuations. 1978 , 46-57		1
1414	TURBULENT JET DIFFUSION FLAMES. 1979 , 109-131		3
1413	Acoustic scattering cross section predicted from an accurate model of the spectrum of temperature fluctuations. 1979 , 65, 1397-1401		1
1412	Temperature fluctuations: An assessment of their use in the detection of fast reactor coolant blockages. 1979 , 52, 35-55		13
1411	Structure of Turbulent Velocity and Temperature Fluctuations in Fully Developed Pipe Flow. 1979 , 101, 15-22		31

1410	Two-frequency Fluctuations of Light Intensity in a Turbulent Medium. 1979 , 26, 555-562		16
1409	Measurements of concentration fluctuations in relative turbulent diffusion. <i>Journal of Fluid Mechanics</i> , 1979 , 94, 83-101	3-7	22
1408	On the elimination of refractive-index variations in turbulent density-stratified liquid flows. <i>Journal of Fluid Mechanics</i> , 1979 , 93, 83-96	3-7	47
1407	The relative diffusion of a cloud of passive contaminant in incompressible turbulent flow. <i>Journal of Fluid Mechanics</i> , 1979 , 91, 337-355	3-7	75
1406	A numerical comparison of velocity-based and strain-based Lagrangian-history turbulence approximations. <i>Journal of Fluid Mechanics</i> , 1979 , 91, 581-597	3-7	37
1405	Kinetic Energy Dissipation Observed in the Upper Ocean. 1980 , 28, 101-102		
1404	Mixing for reaction injection molding. I. Impingement mixing of liquids. 1980 , 20, 875-886		77
1403	Two-dimensional turbulence. 1980 , 43, 547-619		841
1402	Estimates of concentration fluctuations in an instantaneous plume. 1980 , 14, 1365-1369		3
1401	The Turbulent Ocean. 1980 , 28, 1-19		
1400	Baroclinic instability and geostrophic turbulence. 1980 , 15, 167-211		165
1399	Fossil Temperature, Salinity, and Vorticity Turbulence in the Ocean. 1980 , 221-257		37
1398	The Batchelor spectrum and dissipation in the upper ocean. 1980 , 85, 1910		132
1397	The scaling of vertical temperature gradient spectra. 1980 , 85, 1917		33
1396	Small-scale magnetic fields in turbulence: Saffman's approximation revisited. <i>Journal of Fluid Mechanics</i> , 1980 , 99, 481-493	3-7	
1395	Evolution of a spectrally local disturbance in grid-generated, nearly isotropic turbulence. <i>Journal of Fluid Mechanics</i> , 1980 , 96, 641	3-7	21
1394	Solution of Howells's model of the scalar spectrum and comparison with experiment. <i>Journal of Fluid Mechanics</i> , 1980 , 96, 705	3-7	7
1393	An inertial subrange in microstructure spectra. 1981 , 86, 4265		3

1392	The thinness of oceanic temperature gradients. 1981 , 86, 4290		6
1391	Turbulent pair dispersion and scalar diffusion. <i>Journal of Fluid Mechanics</i> , 1981 , 111, 27	3.7	76
1390	Some developments in the theory of turbulence. <i>Journal of Fluid Mechanics</i> , 1981 , 106, 27	3.7	135
1389	Wider horizons for fluid mechanics. <i>Journal of Fluid Mechanics</i> , 1981 , 106, 229	3.7	7
1388	FUNDAMENTALS OF TURBULENT MOTION, MIXING AND KINETICS* First article of a series on Mixing Effects on Reactor Modelling and Scaleup, edited by G. K. Patterson, Dept. of Chem. Eng., University of Missouri-Rolla, Rolla, MO 65401. The series is based on a tutorial session of the same name held at the 72nd, Annual AIChE meeting, San Francisco, Nov. 1979. The articles in the series are Fundamentals of Turbulent Motion, Mixing and Kinetics by P. S. Brodkey, Application of Hydrodynamics As A Limiting Factor in the Development of the Baltic Sea Ecosystem. 1981 , 32, 165-189		27
1387	Turbulence Fundamentals to Modelling a. 1981 , 8, 1-23		1
1386	Mixing and fast chemical reactionII. 1981 , 36, 1649-1654		26
1385	Mixing and fast chemical reactionIII. 1981 , 36, 1655-1663		48
1384	Near-surface turbulence measurements in a lake. 1981 , 290, 390-392		54
1383	Structure d'un écoulement de convection naturelleIII transition et turbulence Eablie. 1981 , 8, 123-160		5
1382	Anomalous mixing times in turbulent binary mixtures at high Prandtl number. 1981 , 24, 2727-2734		25
1381	Turbulence in binary fluid mixtures. 1981 , 23, 3224-3246		105
1380	Local isotropy and anisotropy in a high-Reynolds-number turbulent boundary layer. <i>Journal of Fluid Mechanics</i> , 1982 , 125, 475	3.7	132
1379	Self-similar particle-size distributions during coagulation: theory and experimental verification. <i>Journal of Fluid Mechanics</i> , 1982 , 122, 169	3.7	91
1378	The dependence of space charge spectra on Aitken nucleus concentrations. 1982 , 87, 1216		9
1377	Observations of salt fingers in the central waters of the eastern North Pacific. 1982 , 87, 8017		57
1376	On the scaling of vertical temperature gradient spectra. 1982 , 87, 8031		22
1375	Fossil turbulence in the Denmark Strait. 1982 , 87, 8039		15

1374	Vertical overturns: A comparison of Thorpe and Ozmidov length scales. 1982 , 87, 9601	407
1373	Thermal boundary layer convection in silicic magma chambers: Effects of temperature-dependent rheology and implications for thermogravitational chemical fractionation. 1982 , 87, 8755	87
1372	THE CHARACTERIZATION OF MICROMIXING USING FAST MULTIPLE REACTIONS. 1982 , 16, 79-90	21
1371	New Aspects of Aerosol Growth Processes. 1982 , 2, 109-120	6
1370	Some characteristics of concentration fluctuations in free turbulent jets. 1982 , 60, 212-219	21
1369	Non-local invariants of magnetohydrodynamical equations as constraints on the dynamo generation of small scale magnetic fields in non-helical 3D turbulent flow. 1982 , 91, 117-120	3
1368	Mixing and fast chemical reaction-IV The dimensions of the reaction zone. 1982 , 37, 585-590	34
1367	Diffusion and mixing of passive impurities in a linear velocity field. 1982 , 43, 1343-1349	1
1366	Microscale temperature fluctuations in the atmospheric surface layer. 1982 , 23, 185-196	6
1365	Statistical characteristics of a passive admixture in a homogeneous isotropic turbulence field. 1983 , 23, 529-535	
1364	Observation of the relaxation of composition fluctuations in a binary liquid mixture. 1983 , 118, 268-281	4
1363	Transport effects associated with turbulence with particular attention to the influence of helicity. 1983 , 46, 621-664	195
1362	Active-Coupling Mixing Times for a Stirred Binary Liquid. 1983 , 51, 1272-1274	11
1361	A conjecture relating oceanic internal waves and small-scale processes. 1983 , 21, 107-122	44
1360	Vertical eddy diffusivity in the ocean interior. 1984 , 42, 359-393	361
1359	Turbulence in phase-separating binary mixtures. 1984 , 29, 2012-2016	44
1358	Turbulent critical binary mixtures. 1984 , 101, 286-290	20
1357	Mixing and fast chemical reaction-VIII. 1984 , 39, 329-334	38

1356	Spectral analogy between temperature and velocity fluctuations in several turbulent flows. 1984 , 27, 987-997			30
1355	Mixing of passive heterogeneities by mantle convection. 1984 , 89, 425			100
1354	A FLUID MECHANICAL APPROACH TO TURBULENT MIXING AND CHEMICAL REACTION PART II MICROMIXING IN THE LIGHT OF TURBULENCE THEORY. 1984 , 28, 243-258			94
1353	Phytoplankton patchiness: inferences from particle statistics. 1985 , 43, 307-335			42
1352	Thermal characteristics of standing waters: an illustration of dynamic processes. 1985 , 125, 7-29			50
1351	Further results from a laboratory model of the convective planetary boundary layer. 1985 , 32, 205-236			139
1350	The concentration spectrum of the product of a fast bimolecular reaction. 1985 , 40, 1641-1652			14
1349	The diurnal mixed layer ¹ . 1985 , 30, 737-770			246
1348	Critical phenomena in randomly stirred fluids. 1985 , 55, 91-94			21
1347	Turbulent mixing and bistability in chemical systems. 1985 , 31, 1983-1985			23
1346	A passive scalar field convected by turbulence. 1985 , 28, 1299			9
1345	Diffusion of a passive scalar in two-dimensional turbulence. <i>Journal of Fluid Mechanics</i> , 1985 , 161, 77	3.7		65
1344	Evolution of scalar spectra with the decay of turbulence in a stratified fluid. <i>Journal of Fluid Mechanics</i> , 1985 , 159, 379	3.7		64
1343	Topological constraints associated with fast dynamo action. <i>Journal of Fluid Mechanics</i> , 1985 , 154, 493-507			144
1342	Higher-order derivative correlations and the alignment of small-scale structures in isotropic numerical turbulence. <i>Journal of Fluid Mechanics</i> , 1985 , 153, 31	3.7		570
1341	Two-dimensional shear-layer entrainment. 1986 , 24, 1791-1796			330
1340	The evolution of an unsteady translating nonlinear rossby-wave critical layer. 1986 , 35, 1-55			8
1339	Horizontal wave number distribution of potential energy in the ocean. 1986 , 91, 12993			11

1338	Mixing and chemical reactions in a turbulent liquid mixing layer. <i>Journal of Fluid Mechanics</i> , 1986 , 170, 83-112	3-7	264
1337	Internal waves, fossil turbulence, and composite ocean microstructure spectra. <i>Journal of Fluid Mechanics</i> , 1986 , 168, 89	3-7	62
1336	Effects of turbulence structure, molecular diffusion and source size on scalar fluctuations in homogeneous turbulence. <i>Journal of Fluid Mechanics</i> , 1986 , 165, 373	3-7	86
1335	Reply to comments of J. A. Krommes. 1986 , 29, 2758		6
1334	Comments on "Theory of dissipative density-gradient-driven turbulence in the tokamak edge" [Phys. Fluids 28, 1419 (1985)]. 1986 , 29, 2756		13
1333	Microscales of turbulence and heat transfer correlations. 1986 , 29, 1071-1078		19
1332	Renormalization group analysis of turbulence. I. Basic theory. 1986 , 1, 3-51		2625
1331	Turbulent passive scalar field of a small Prandtl number. 1986 , 29, 3586		9
1330	High wavenumber spectrum of a passive scalar in isotropic turbulence. 1986 , 29, 1734		1
1329	Small-scale dynamics of high-Reynolds-number two-dimensional turbulence. 1986 , 57, 683-686		69
1328	Fast magnetic dynamos in chaotic flows. 1986 , 57, 2800-2803		38
1327	Critical phenomena in randomly stirred fluids: Correlation functions, equation of motion, and crossover behavior. 1986 , 33, 3415-3432		21
1326	Cellular automaton formulation of passive scalar dynamics. 1987 , 30, 1235		17
1325	A model for fully developed turbulence. 1987 , 30, 3391		30
1324	The nonequilibrium electromotive force. II. Theory for a continuously stirred tank reactor. 1987 , 87, 4074-4087	11	
1323	The effect of cluster ions on anomalous VHF backscatter from the summer polar mesosphere. 1987 , 14, 1031-1034		161
1322	Diapycnal mixing in the thermocline: A review. 1987 , 92, 5249		438
1321	Fossil turbulence and intermittency in sampling oceanic mixing processes. 1987 , 92, 5383		47

1320	A Lagrangian analysis of turbulent diffusion. 1987 , 25, 799		42
1319	Mixing processes relevant to phytoplankton dynamics in lakes. 1987 , 21, 361-377		74
1318	A fluorescence technique for measurement of concentration in mixing liquids. 1987 , 20, 217-224		117
1317	Premixed Laminar Flames with General Rates of Strain. 1987 , 54, 237-273		22
1316	The evolution of surfaces in turbulence. 1988 , 26, 445-469		339
1315	Velocity and temperature fluctuations in a turbulent suspension. 1988 , 55, 716-722		
1314	On the parameterization of equatorial turbulence. 1988 , 93, 1199		262
1313	Towed thermistor chain observations of fronts in the subtropical North Pacific. 1988 , 93, 2237		25
1312	Modelling meter-scale acoustic intensity fluctuations from oceanic fine structure and microstructure. 1988 , 93, 5130		14
1311	Large- and small-scale organization of electrons in the high-latitude mesosphere: Implications of the STATE data. 1988 , 93, 7001-7008		70
1310	Growth and decay of turbulence in a stably stratified shear flow. <i>Journal of Fluid Mechanics</i> , 1988 , 195, 77	3.7	197
1309	Mixing of strongly diffusive passive scalars like temperature by turbulence. <i>Journal of Fluid Mechanics</i> , 1988 , 194, 261	3.7	36
1308	The dynamics of freely decaying two-dimensional turbulence. <i>Journal of Fluid Mechanics</i> , 1988 , 194, 333	3.7	175
1307	On mixing and structure of the concentration field of turbulent jets. 1988 ,		10
1306	Turbulence spectrum of a passive temperature field: Results of a numerical simulation. 1988 , 31, 2065		19
1305	An analytic theory and formulation of a local magnetohydrodynamic lattice gas model. 1988 , 31, 1439		25
1304	Some Dynamical and Statistical Properties of Equatorial Turbulence. 1988 , 46, 185-200		5
1303	FLUSHING BEHAVIOUR OF A COASTAL MARINA. 1988 , 1, 195		6

1302	The interpretation and evaluation of a 3-MHz acoustic backscatter device for measuring benthic boundary layer sediment dynamics. 1989 , 85, 1501-1511	47
1301	The curvature of material surfaces in isotropic turbulence. 1989 , 1, 2010-2018	62
1300	Large-eddy simulation of passive scalar diffusion in isotropic turbulence. 1989 , 1, 718-722	89
1299	Simultaneous measurements of instantaneous concentrations of two species being mixed in a turbulent flow by using a combined laser-induced fluorescence and laser-scattering technique. 1989 , 1, 349-352	19
1298	Interactions of Mixing, Diffusion, and Reaction in Fast Step Growth Polymerizations. 1989 , 28, 151-184	2
1297	Intermittency corrections to spectra of temperature fluctuations in isotropic turbulence. 1989 , 22, 1253-1257	3
1296	Limiting probability distributions of a passive scalar in a random velocity field. 1989 , 63, 1962-1964	141
1295	Finite correlation dimension for stochastic systems with power-law spectra. 1989 , 35, 357-381	513
1294	New results on the fractal and multifractal structure of the large Schmidt number passive scalars in fully turbulent flows. 1989 , 38, 322-329	45
1293	Lagrangian chaos and small scale structure of passive scalars. 1989 , 38, 372-376	8
1292	Molecular mixing and chemical reactions in turbulent shear layers. 1989 , 22, 579-587	9
1291	. 1989 , 41A, 115-131	14
1290	Turbulence and the diffusive layers around small organisms. 1989 , 36, 1721-1733	148
1289	Turbulent Diffusion Flames. 1989 , 21, 101-135	154
1288	Modulations in the polar mesosphere summer echoes and associated atmospheric gravity waves. 1989 , 16, 1437-1440	23
1287	A mixing length interpretation of fluctuations in passive scalar concentration in homogeneous turbulence. 1989 , 94, 9710	6
1286	Turbulence and entrainment in a buoyant surface plume. 1989 , 94, 12619	61
1285	Turbulent free shear layer mixing. 1989 ,	33

1284	Flushing Behaviour of a Coastal Marina. 1989 , 2626		0
1283	Relation between universal constants of turbulence. 1990 , 2, 634-635		4
1282	A microscopic vortical structure in fully developed turbulence. 1990 , 2, 829-837		
1281	Role of Lagrangian chaoticity on the small scale structure of passive scalars in fluids. 1990 , 166, 305-324		8
1280	The measurement and interpretation of fractal dimensions of the scalar interface in turbulent flows. 1990 , 2, 792-807		72
1279	Spectrum of a passive scalar in the inertial-convective subrange of an anisotropic turbulent flow. 1990 , 65, 1360-1363		3
1278	Comment on "Chaotic fluid convection and the fractal nature of passive scalar gradients". 1990 , 64, 698		3
1277	Mixing and Transport in Lakes: Mechanisms and Ecological Relevance. 1990 , 47-80		13
1276	Decay of velocity and temperature fluctuations in grid turbulence. 1990 , 28, 106-112		8
1275	A model of instrument smoothing and thresholding in measurements of turbulent dispersion. 1990 , 24, 1313-1323		9
1274	Local energy transfer and nonlocal interactions in homogeneous, isotropic turbulence. 1990 , 2, 413-426		220
1273	Similarity of the concentration field of gas-phase turbulent jets. <i>Journal of Fluid Mechanics</i> , 1990 , 218, 109	3.7	191
1272	Linear-eddy modelling of turbulent transport. Part 3. Mixing and differential molecular diffusion in round jets. <i>Journal of Fluid Mechanics</i> , 1990 , 216, 411-435	3.7	93
1271	Chaotic advection of irrotational flows and of waves in fluids. <i>Journal of Fluid Mechanics</i> , 1990 , 214, 517	3.7	20
1270	Dissipative wave-mean interactions and the transport of vorticity or potential vorticity. <i>Journal of Fluid Mechanics</i> , 1990 , 212, 403	3.7	66
1269	A simple and unifying physical interpretation of scalar fluctuation measurements from many turbulent shear flows. <i>Journal of Fluid Mechanics</i> , 1990 , 212, 533	3.7	80
1268	Velocity, scalar and transfer spectra in numerical turbulence. <i>Journal of Fluid Mechanics</i> , 1990 , 211, 309-332		92
1267	A stochastic model for the motion of particle pairs in isotropic high-Reynolds-number turbulence, and its application to the problem of concentration variance. <i>Journal of Fluid Mechanics</i> , 1990 , 210, 113-153	3.7	211

1266	Global impact of the Antarctic ozone hole: Chemical propagation. 1990 , 95, 3473		97
1265	Modification of the energy-wave number spectrum for heavy proton hydrates as tracers for isotropic turbulence at the summer mesopause. 1990 , 95, 5549		23
1264	Some consequences of the boundedness of scalar fluctuations. 1990 , 2, 1919-1920		40
1263	Turbulence effects on high energy laser beam propagation in the atmosphere. 1990 , 29, 3088-95		11
1262	Acoustic scattering from ocean microstructure. 1990 , 95, 11557		62
1261	Radiative Entropy Production Heat Lost to Entropy. 1991 , 239-276		12
1260	Linear-eddy modelling of turbulent transport. Part 6. Microstructure of diffusive scalar mixing fields. <i>Journal of Fluid Mechanics</i> , 1991 , 231, 361-394	3-7	205
1259	Fractal dimensions and spectra of interfaces with application to turbulence. 1991 , 435, 505-534		89
1258	The Kolmogorov spectrum and its oceanic cousins: a review. 1991 , 434, 125-138		12
1257	On local isotropy of passive scalars in turbulent shear flows. 1991 , 434, 165-182		256
1256	. 1991 , 16, 3-11		6
1255	The solar wind density spectrum near the Sun: Results from Voyager radio measurements. 1991 , 96, 1745-1755		62
1254	Finite-rate chemistry effects in a Mach 2 reacting flow. 1991 ,		12
1253	Lagrangian model simulations of molecular mixing, including finite rate chemical reactions, in a temporally developing shear layer. 1991 , 3, 1300-1311		20
1252	Joint probability density function of a scalar and its gradient in isotropic turbulence. 1991 , 3, 1625-1632		18
1251	Stochastic geometric properties of scalar interfaces in turbulent jets. 1991 , 3, 168-177		43
1250	A global study of enhanced stretching and diffusion in chaotic tangles. 1991 , 3, 1039-1050		52
1249	Comparison of experiment with a new theory of the turbulence temperature structure function. 1991 , 3, 1572-1576		5

1248	The estimated scalar dissipation rate in gas-phase turbulent jets. 1991 , 3, 2229-2246	27
1247	Reynolds number dependence of scalar fluctuations in a high Schmidt number turbulent jet. 1991 , 3, 1156-1163	34
1246	Convergence of the K2 entropy for random noises with power law spectra. 1991 , 47, 361-372	50
1245	Lagrangian chaos: Transport, mixing and diffusion in fluids. 1991 , 14, 1-80	108
1244	Buoyancy-driven turbulent diffusion flames. 1991 , 86, 203-215	11
1243	Distribution functions in the statistical theory of convective MHD turbulence of an incompressible fluid. 1991 , 181, 29-42	
1242	Scaling properties of the viscous-convective scalar spectral subrange in turbulent jets. 1991 , 3, 1832-1834	3
1241	Drifting behaviour of a conductivity probe. 1991 , 29, 643-654	7
1240	Passive-Scalar Fluctuations in Intermittent Turbulence. 1991 , 14, 541-546	4
1239	High-Speed Flight Propulsion Systems. 1991 ,	7
1238	A unified formulation of the spectra of temperature fluctuations in isotropic turbulence. 1991 , 24, 4721-4729	4
1237	Small-scale features of vorticity and passive scalar fields in homogeneous isotropic turbulence. 1991 , 3, 1587-1597	142
1236	Multifractal power spectra of passive scalars convected by chaotic fluid flows. 1991 , 44, 851-857	33
1235	Turbulent Free Shear Layer Mixing and Combustion. 1991 , 265-340	23
1234	Nonlocal triad interactions and the dissipation range of isotropic turbulence. 1992 , 4, 2037-2045	69
1233	Shell model for turbulent advection of passive-scalar fields. 1992 , 45, 7214-7221	55
1232	Mixing characteristics of an inhomogeneous scalar in isotropic and homogeneous sheared turbulence. 1992 , 4, 606-625	47
1231	Density variations in weakly compressible flows. 1992 , 4, 945-954	61

1230	Spectral large-eddy simulation of isotropic and stably stratified turbulence. <i>Journal of Fluid Mechanics</i> , 1992 , 239, 157	3-7	408
1229	Temperature fluctuation spectrum in the dissipation range for statistically isotropic turbulent flow. <i>Journal of Fluid Mechanics</i> , 1992 , 238, 683-698	3-7	13
1228	The concentration distribution near a continuous point source in steady homogeneous shear. <i>Journal of Fluid Mechanics</i> , 1992 , 236, 95-110	3-7	7
1227	Kinematic simulation of homogeneous turbulence by unsteady random Fourier modes. <i>Journal of Fluid Mechanics</i> , 1992 , 236, 281-318	3-7	326
1226	Propagating surfaces in isotropic turbulence. <i>Journal of Fluid Mechanics</i> , 1992 , 234, 247	3-7	46
1225	Waves and turbulence in the solar wind. 1992 , 97, 17189		130
1224	Computation of small-scale velocity turbulence and its effect on optical scintillations and stimulated thermal Rayleigh scattering. 1992 , 31, 2085-94		
1223	Simultaneous temperature and multispecies measurement in a lifted hydrogen diffusion flame. 1992 , 91, 323-345		111
1222	Diurnal Patterns of Mixing Depth and its Influence on Primary Production in a Shallow Lake. 1992 , 77, 349-360		8
1221	Effective diffusion in a stochastic velocity field. 1993 , 71, 235-242		14
1220	Height dependence of the Batchelor scale for positive-ion-traced neutral turbulence in the summer Arctic mesosphere. 1993 , 98, 1163-1170		3
1219	Turbulent flow microstructures observed by sonar. 1993 , 20, 823-826		8
1218	Polar mesosphere summer radar echoes: Observations and current theories. 1993 , 31, 243		151
1217	Kinematic dynamo and intermittence in a turbulent flow. 1993 , 73, 33-60		9
1216	Turbulent Flamelet Propagation. 1993 , 87, 291-327		7
1215	Vertical mixing in a shallow, eutrophic lake: Possible consequences for the light climate of phytoplankton. 1993 , 38, 798-817		82
1214	Interacting scales and energy transfer in isotropic turbulence. 1993 , 5, 2511-2524		92
1213	Structure of hard-turbulent convection in two dimensions: Numerical evidence. 1993 , 48, 1020-1035		50

1212	Experimental investigation into a turbulent jet with negative buoyancy. 1993 , 5, 2865-2878	26
1211	Nearly incompressible fluids. II: Magnetohydrodynamics, turbulence, and waves. 1993 , 5, 257-273	268
1210	Lagrangian velocity correlations in homogeneous isotropic turbulence. 1993 , 5, 2846-2864	25
1209	A cascade interpretation of Lundgren's stretched spiral vortex model for turbulent fine structure. 1993 , 5, 2831-2834	31
1208	A Turbulent Reacting Flow Model that Incorporates Detailed Chemical Kinetics. 1994 , 101, 361-382	7
1207	Passive scalar convection in a 2D long-range delta-correlated velocity field: Exact results. 1994 , 27, 4925-4932	4
1206	Fractal-Dimension Crossovers in Turbulent Passive Scalar Signals. 1994 , 27, 347-352	8
1205	Nonlocal vorticity cascade in two dimensions. 1994 , 49, R1800-R1803	49
1204	Low-wave-number statistics of randomly advected passive scalars. 1994 , 50, 2057-2063	12
1203	The role of dissipation in the theory and simulations of homogeneous plasma turbulence, and resolution of the entropy paradox. 1994 , 1, 3211-3238	84
1202	Anomalous scaling of a randomly advected passive scalar. 1994 , 72, 1016-1019	395
1201	A numerical study of the mixing of a passive scalar in three dimensions in the presence of a mean gradient. 1994 , 6, 2118-2132	194
1200	Small-scale properties of scalar and velocity differences in three-dimensional turbulence. 1994 , 6, 3974-3984	33
1199	Spectral transfer of self-similar passive scalar fields in isotropic turbulence. 1994 , 6, 2245-2247	9
1198	Universal direct cascade in two-dimensional turbulence. 1994 , 50, 3883-3899	52
1197	Stochastic multifractality and universal scaling distributions. 1994 , 50, 243-261	23
1196	Scaling exponents for turbulence and other random processes and their relationships with multifractal structure. 1994 , 50, 1823-1835	51
1195	Topological and fractal properties of turbulent passive scalar fluctuations at small scales. 1994 , 77, 909-914	2

1194	Concentration fluctuation measurements in clouds released from a quasi-instantaneous point source in the atmospheric surface layer. 1994 , 71, 341-373	9
1193	Invariant manifold templates for chaotic advection. 1994 , 4, 749-868	75
1192	Tracer microstructure in the large-eddy dominated regime. 1994 , 4, 1091-1110	196
1191	Spectra of local and nonlocal two-dimensional turbulence. 1994 , 4, 1111-1116	97
1190	Exact field-theoretical description of passive scalar convection in an N-dimensional long-range velocity field. 1994 , 192, 435-443	19
1189	Temperature spectra in shear flow and thermal convection. 1994 , 196, 70-75	14
1188	Transport in three-dimensionally heterogeneous aquifers: 1. Dynamics of concentration fluctuations. 1994 , 30, 1775-1788	137
1187	Radiation affected turbulent natural convection. 1994 ,	
1186	Four-dimensional laser induced fluorescence study of the structure of molecular mixing in turbulent flows. 1994 ,	1
1185	Estimates of diapycnal mixing in the abyssal ocean. 1994 , 264, 1120-3	244
1184	Turbulent mixing of a passive scalar. 1994 , 6, 1820-1837	237
1183	Lagrangian path integrals and fluctuations in random flow. 1994 , 49, 2912-2927	161
1182	Concentration Correlation in a Turbulent Mixing Layer with Chemical Reactions.. 1994 , 27, 742-748	24
1181	Buoyant turbulent flow driven by internal energy generation. 1995 , 38, 2761-2770	14
1180	Fluctuations in dense gas concentrations measured in a wind-tunnel. 1995 , 75, 321-352	10
1179	Viscous range of turbulent scalar of large Prandtl number. 1995 , 15, 103-112	11
1178	Normal and anomalous scaling of the fourth-order correlation function of a randomly advected passive scalar. 1995 , 52, 4924-4941	222
1177	Dynamics of the passive scalar in compressible turbulent flow: Large-scale patterns and small-scale fluctuations. 1995 , 52, 2617-2634	52

1176	On the determination of solenoidal or compressible velocity fields from measurements of passive or reactive scalars. 1995 , 7, 754-763		17
1175	Fluctuations in Quasi-Two-Dimensional Fast Dynamos. 1995 , 75, 1522-1525		29
1174	Turbulent spectrum of the Earth's ozone field. 1995 , 74, 2611-2614		7
1173	The spectral relaxation model of the scalar dissipation rate in homogeneous turbulence. 1995 , 7, 1082-1094		43
1172	k Spectrum of Passive Scalars in Lagrangian Chaotic Fluid Flows. 1995 , 75, 1751-1754		19
1171	Scaling properties of differential molecular diffusion effects in turbulence. 1995 , 7, 1999-2007		33
1170	Equilibrium salt-fingering convection. 1995 , 7, 706-717		29
1169	Statistics of a passive scalar advected by a large-scale two-dimensional velocity field: Analytic solution. 1995 , 51, 5609-5627		116
1168	Suppression of phase separation in quenched turbulent binary liquids. 1995 , 28, 3005-3013		
1167	Addendum to "A unified formulation of the spectra of temperature fluctuations in isotropic turbulence". 1995 , 28, 5689-5691		2
1166	Forced Three-Dimensional Homogeneous Turbulence with Hyperviscosity. 1995 , 29, 687-692		55
1165	Optical properties of a planar turbulent jet. 1995 , 34, 7039-53		3
1164	Evidence for enhanced boundary mixing in the Santa Monica Basin. 1995 , 100, 20665		60
1163	Some theoretical estimations of spectral densities of short-period electric noises generated near the ground. 1995 , 100, 11529		
1162	Refined similarity hypotheses for passive scalars mixed by turbulence. <i>Journal of Fluid Mechanics</i> , 1995 , 297, 275-291	3.7	40
1161	Energetics of grid turbulence in a stably stratified fluid. <i>Journal of Fluid Mechanics</i> , 1995 , 296, 127-157	3.7	14
1160	Mixing due to grid-generated turbulence of a two-layer scalar profile. <i>Journal of Fluid Mechanics</i> , 1995 , 285, 17	3.7	27
1159	Contribution of direct numerical simulation to understanding and modelling turbulent transport. 1995 , 451, 257-292		44

1158	The self-similar topology of passive interfaces advected by two-dimensional turbulent-like flows. 1995 , 7, 1970-1998		19
1157	Multi-scalar triadic interactions in differential diffusion with and without mean scalar gradients. <i>Journal of Fluid Mechanics</i> , 1996 , 321, 235-278	3-7	37
1156	Experimental study of the fine-scale structure of conserved scalar mixing in turbulent shear flows. Part 1. Sc [Gt] 1. <i>Journal of Fluid Mechanics</i> , 1996 , 317, 21-71	3-7	145
1155	Measurements of scalar power spectra in high Schmidt number turbulent jets. <i>Journal of Fluid Mechanics</i> , 1996 , 308, 129-146	3-7	65
1154	Turbulence produced by internal waves in the oceanic thermocline at mid and low latitudes. 1996 , 24, 1-14		29
1153	Excitation of internal waves and stratified turbulence by parametric instability. 1996 , 23, 335-343		15
1152	The spectral relationships between atmospheric electrical conductivity and air pollution in urban conditions. 1996 , 101, 6971-6977		1
1151	The effect of dynamical mixing in a simple model of the ozone hole. 1996 , 101, 16771-16778		17
1150	Vortex models of the fine scales of turbulence. 1995 , 61-74		1
1149	On the probability properties of the density gradient of a randomly moving incompressible medium. 1996 , 39, 398-404		
1148	Further effects of charged aerosols on summer mesospheric radar scatter. 1996 , 58, 661-672		22
1147	Diffusing passive tracers in random incompressible flows: Statistical topography aspects. 1996 , 84, 797-836		13
1146	Scaling laws and dissipation scale of a passive scalar in fully developed turbulence. 1996 , 99, 369-380		69
1145	Multiscaling properties of concentration fluctuations in dispersing plumes revealed using an orthonormal wavelet decomposition. 1996 , 77, 173-207		7
1144	Simultaneous concentration and velocity measurements using combined laser-induced fluorescence and laser Doppler velocimetry: Application to turbulent transport. 1996 , 20, 319-327		50
1143	EDQNM model of a passive scalar with a uniform mean gradient. 1996 , 8, 1588-1608		32
1142	Isotropic and anisotropic spectra of passive scalar fluctuations in turbulent fluid flow. 1996 , 53, 3431-3441		61
1141	Comparison between the sum of second-order velocity structure functions and the second-order temperature structure function. 1996 , 8, 3105-3111		19

1140	Development of a two-equation heat transfer model based on direct simulations of turbulent flows with different Prandtl numbers. 1996 , 8, 3379-3402		44
1139	Intermittency and anomalous scaling of passive scalars in any space dimension. 1996 , 54, 1497-1503		34
1138	Comment on "Exact results on scaling exponents in the 2D enstrophy cascade". 1996 , 76, 1974		2
1137	Eyink Replies. 1996 , 76, 1975		3
1136	Multifractal temperature and flux of temperature variance in fully developed turbulence. 1996 , 34, 195-200		57
1135	Mixing of a passive scalar in magnetically forced two-dimensional turbulence. 1997 , 9, 2061-2080		65
1134	Determination of the three-point correlation function of a passive scalar in the presence of a mean gradient. 1997 , 37, 529-534		34
1133	A laboratory investigation into shear-generated mixing in a salt wedge estuary. 1997 , 85, 65-95		9
1132	Temporal multiscaling in hydrodynamic turbulence. 1997 , 55, 7030-7035		39
1131	The Lagrangian spectral relaxation model of the scalar dissipation in homogeneous turbulence. 1997 , 9, 2364-2386		41
1130	Inverse cascade and intermittency of passive scalar in one-dimensional smooth flow. 1997 , 56, 5483-5499		37
1129	Localized mixing due to a breaking internal wave ray at a sloping bottom. <i>Journal of Fluid Mechanics</i> , 1997 , 350, 1-27	3.7	72
1128	Laboratory study of the interaction between two internal wave rays. <i>Journal of Fluid Mechanics</i> , 1997 , 336, 91-122	3.7	61
1127	Experimental assessment of fractal scale similarity in turbulent flows. Part 3. Multifractal scaling. <i>Journal of Fluid Mechanics</i> , 1997 , 338, 127-155	3.7	26
1126	A Laboratory Study of the Urban Heat Island in a Calm and Stably Stratified Environment. Part I: Temperature Field. 1997 , 36, 1377-1391		60
1125	Direct numerical simulations of passive scalars with $Pr \gg 1$ advected by turbulent flow. <i>Journal of Fluid Mechanics</i> , 1997 , 343, 111-130	3.7	92
1124	Accelerated scalar dissipation in a vortex. <i>Journal of Fluid Mechanics</i> , 1997 , 348, 295-317	3.7	50
1123	Analogy between predictions of Kolmogorov and Yaglom. <i>Journal of Fluid Mechanics</i> , 1997 , 332, 395-409	3.7	100

1122	Microscales of Turbulent Heat and Mass Transfer. 1997 , 30, 1-91	21
1121	A parameterization of mixdown time for atmospheric chemicals. 1997 , 102, 13037-13049	31
1120	Comments on some recent measurements of anomalously steep N ₂ O and O ₃ tracer spectra in the stratospheric surf zone. 1997 , 102, 24001-24004	10
1119	THE PHENOMENOLOGY OF SMALL-SCALE TURBULENCE. 1997 , 29, 435-472	870
1118	Optical technique for inner-scale measurement: possible astronomical applications. 1997 , 36, 1320-7	22
1117	Multiphoton excitation ionization of N(2) following collisional energy transfer with H(2)O: a potential measure of molecular mixing. 1997 , 36, 3278-87	3
1116	Influence of negative ions on mesospheric turbulence traced by ionization: Implications for radar and in situ experiments. 1997 , 102, 439-443	9
1115	In situ ionospheric observations of severe weather-related gravity waves and associated small-scale plasma structure. 1997 , 102, 329-335	42
1114	A height- and time-dependent model of polar mesosphere summer echoes. 1997 , 102, 6715-6727	21
1113	A simple model for the probability density function of concentration fluctuations in atmospheric plumes. 1997 , 31, 991-1002	60
1112	Measurements of density fluctuations in steady, buoyant plumes in crossflow. 1997 , 31, 1677-1688	3
1111	Mixing mechanisms of vortex ring formed by gravity slumping motion. 1997 , 22, 271-280	
1110	Measurements of the velocity of high-concentration zones in a turbulent jet. 1997 , 23, 193-201	2
1109	Frequency spectra of scalar fluctuations at entraining stratified interfaces. 1997 , 19, 65-75	
1108	On velocity and passive scalar scaling laws in a turbulent swirling flow. 1998 , 122, 187-201	14
1107	Modeling Partially Premixed Fast Chemical Reactions in Statistically Homogeneous Turbulent Flow Using One-Dimensional Equations of Change. 1998 , 37, 3710-3721	
1106	Estimation and geography of diapycnal mixing in the stratified ocean. 1998 , 305-338	42
1105	VORTEX DYNAMICS IN TURBULENCE. 1998 , 30, 31-51	107

1104 Small-Scale Turbulence. **1998**, 33-82

1103 Relative scaling exponents of n -th order velocity and temperature structure functions. **1998**, 44, 156-161 4

1102 Advection of mass fraction in forced, homogeneous, compressible turbulence. **1998**, 10, 2249-2259 9

1101 Renormalization-group analysis for the infrared properties of a randomly stirred binary fluid. **1998**, 31, 2621-2637 9

1100 Predicted scattering of sound by diffuse hydrothermal vent plumes at mid-ocean ridges. **1998**, 103, 330-335 4

1099 On how a joint interaction of two innocent partners (smooth advection and linear damping) produces a strong intermittency. **1998**, 10, 3017-3019 24

1098 Structures and Multipoint Correlators for Turbulent Advection: Predictions and Experiments. **1998**, 81, 4373-4376 39

1097 Structure of the three-point correlation function of a passive scalar in the presence of a mean gradient. **1998**, 57, 2914-2929 53

1096 Inverse versus Direct Cascades in Turbulent Advection. **1998**, 80, 512-515 45

1095 Power-Law Spectra of Incipient Gas-Curtain Turbulence. **1998**, 81, 2240-2243 19

1094 Comparison between high-order velocity vector and temperature structure functions. **1998**, 57, 2463-2466 1

1093 Anomalous scaling for a passive scalar near the Batchelor limit. **1998**, 57, 2965-2977 22

1092 Propagation of a Huygens Front Through Turbulent Medium. **1998**, 80, 2837-2840 16

1091 Differential diffusion in low Reynolds number water jets. **1998**, 10, 1135-1146 28

1090 The viscous-convective subrange in nonstationary turbulence. **1998**, 10, 1191-1205 17

1089 Thermocapillary Driven Turbulent Heat Transfer. **1998**, 120, 214-219 3

1088 Generalized Langevin equation for relative turbulent dispersion. *Journal of Fluid Mechanics*, **1998**, 357, 167-198 3.7 36

1087 Experimental investigation of a confined heated sodium jet in a co-flow. *Journal of Fluid Mechanics*, **1998**, 368, 51-79 3.7 15

1086	Spirals in Potential Vorticity. Part I: Measures of Structure. 1998 , 55, 2053-2066	19
1085	The Dissipation of Fluctuating Tracer Variances. 1998 , 28, 2064-2074	8
1084	Mixing. 1999 ,	6
1083	Acoustic Backscatter from Salinity Microstructure. 1999 , 16, 1491-1498	46
1082	k Spectrum of Finite Lifetime Passive Scalars in Lagrangian Chaotic Fluid Flows. 1999 , 83, 3426-3429	26
1081	Universal long-time properties of Lagrangian statistics in the Batchelor regime and their application to the passive scalar problem. 1999 , 60, 4164-74	148
1080	Structure function of passive scalars in two-dimensional turbulence. 1999 , 60, 4185-92	3
1079	Magnetic field correlations in kinematic two-dimensional magnetohydrodynamic turbulence. 1999 , 6, 3477-3483	1
1078	The Lagrangian spectral relaxation model for differential diffusion in homogeneous turbulence. 1999 , 11, 1550-1571	30
1077	Inhomogenous vertical turbulent convection in the planetary boundary type. 1999 , 26, 371-377	
1076	Use of direct numerical simulation to study the effect of Prandtl number on temperature fields. 1999 , 20, 187-195	74
1075	Simplified models for turbulent diffusion: Theory, numerical modelling, and physical phenomena. 1999 , 314, 237-574	384
1074	Turbulent mixing of a passive scalar. 1999 , 263, 95-103	3
1073	Scaling laws of turbulent ceiling fires. 1999 , 116, 84-93	6
1072	A Simple Model of Concentration Fluctuations in Neutrally Buoyant Clouds. 1999 , 90, 117-153	3
1071	Passive scalar in a large-scale velocity field. 1999 , 88, 506-516	1
1070	Comparison of dissipation of turbulent kinetic energy determined from shear and temperature microstructure. 1999 , 21, 67-84	63
1069	Large-scale properties of passive scalar advection. 1999 , 11, 2269-2279	14

1068	Lagrangian method for multiple correlations in passive scalar advection. 1999 , 11, 2178-2186		50
1067	Estimating Salinity Variance Dissipation Rate from Conductivity Microstructure Measurements. 1999 , 16, 263-274		35
1066	Uncertainties and Limitations in Measuring ϵ . 1999 , 16, 1483-1490		93
1065	Passive advection in nonlinear medium. 1999 , 11, 2257-2262		12
1064	Passive scalar spectrum in isotropic turbulence: Prediction by the Lagrangian direct-interaction approximation. 1999 , 11, 1936-1952		18
1063	A Thermocouple Probe for High-Speed Temperature Measurement in the Ocean. 1999 , 16, 1474-1482		26
1062	On the geometry of turbulent mixing. <i>Journal of Fluid Mechanics</i> , 1999 , 393, 123-147	3-7	54
1061	Examination of hypotheses in the Kolmogorov refined turbulence theory through high-resolution simulations. Part 2. Passive scalar field. <i>Journal of Fluid Mechanics</i> , 1999 , 400, 163-197	3-7	49
1060	Dissipation-range geometry and scalar spectra in sheared stratified turbulence. <i>Journal of Fluid Mechanics</i> , 1999 , 401, 209-242	3-7	59
1059	A Lagrangian analysis of advection-diffusion equation for a three dimensional chaotic flow. 1999 , 11, 1418-1434		33
1058	Direct numerical simulation of differential diffusion with Schmidt numbers up to 4.0. 2000 , 12, 1601-1604		24
1057	Maximum Likelihood Spectral Fitting: The Batchelor Spectrum. 2000 , 17, 1541-1555		116
1056	Diapycnal Diffusivity Inferred from Scalar Microstructure Measurements near the New England Shelf/Slope Front*. 2000 , 30, 1354-1371		28
1055	Segmentation on Temperature Gradient Microstructure Data. 2000 , 1		
1054	The effect of forcing on the spatial structure and spectra of chaotically advected passive scalars. 2000 , 12, 2506		13
1053	Turbulent mixing in a sloping benthic boundary layer energized by internal waves. <i>Journal of Fluid Mechanics</i> , 2000 , 418, 59-76	3-7	67
1052	Some experimental investigations on the concentration variance and its dissipation rate in a grid generated turbulent flow. 2000 , 43, 1187-1199		9
1051	Isotropic and axisymmetric turbulence of passive scalars. 2000 , 26, 95-104		9

1050	The effects of finite lifetime of passive scalars and vorticity on their power spectra. 2000 , 288, 265-279	1
1049	Alignment of tracer gradient vectors in 2D turbulence. 2000 , 146, 246-260	29
1048	Dispersion of Lagrangian trajectories in a random large-scale velocity field. 2000 , 122, 380-389	
1047	Length scales of turbulence in stably stratified mixing layers. 2000 , 12, 1327-1342	185
1046	Turbulent kinetic energy balance as a tool for estimating vertical diffusivity in wind-forced stratified waters. 2000 , 45, 1388-1400	107
1045	Power spectrum of passive scalars in two dimensional chaotic flows. 2000 , 10, 39-49	14
1044	Experimental observation of batchelor dispersion of passive tracers. 2000 , 85, 3636-9	65
1043	Geometric properties of passive random advection. 2000 , 62, 545-52	10
1042	Universality of $k(-1)$ noise, the enstrophy cascade, and the large-scale atmospheric spectrum. 2000 , 62, 525-31	1
1041	Renormalization group analysis for thermal turbulent transport. 2001 , 63, 016304	42
1040	Simple model of intermittent passive scalar turbulence. 2000 , 84, 471-4	20
1039	Effect of particle inertia on the viscous-convective subrange. 2000 , 61, 6578-85	8
1038	Lattice models of advection-diffusion. 2000 , 10, 61-74	65
1037	Polymer stretching by turbulence. 2000 , 84, 4761-4	81
1036	References. 2000 , 805-854	
1035	The mixing transition in turbulent flows. <i>Journal of Fluid Mechanics</i> , 2000 , 409, 69-98	3-7 484
1034	Spectral decay of a passive scalar in chaotic mixing. 2000 , 12, 2834	40
1033	Passive scalar spectrum in the viscous-convective range in two-dimensional steady turbulence. 2000 , 12, 155-168	21

1032	Thermohaline variability in the upper ocean. 2000 , 105, 16857-16883		96
1031	Mixing in coaxial jets. <i>Journal of Fluid Mechanics</i> , 2000 , 425, 161-185	3-7	102
1030	Energy spectra of steady two-dimensional turbulent flows. 2000 , 61, 6572-7		27
1029	Using low-resolution winds to deduce fine structure in tracers. 2000 , 38, 303-320		18
1028	Dynamics of mixed bottom boundary layers and its implications for diapycnal transport in a stratified, natural water basin. 2000 , 105, 8629-8646		40
1027	Passive Scalars in Turbulent Flows. 2000 , 32, 203-240		663
1026	Principles of Chemical Reaction Engineering. 2000 ,		1
1025	Quantifying mesoscale variability in ocean transient tracer fields. 2001 , 106, 13861-13878		13
1024	Critical geometry of two-dimensional passive scalar turbulence. 2001 , 86, 5890-3		11
1023	The Efficiency of Mixing in Turbulent Patches: Inferences from Direct Simulations and Microstructure Observations. 2001 , 31, 1969-1992		234
1022	Ientropic scaling analysis of ozone in the upper troposphere and lower stratosphere. 2001 , 106, 10023-10038		4
1021	Nonturbulent layers in polar summer mesosphere: 1. Detection of sharp gradients using wavelet analysis. 2001 , 36, 875-890		5
1020	Estimation of turbulent kinetic energy dissipation. 2001 , 37, 1761-1769		3
1019	Particles and fields in fluid turbulence. 2001 , 73, 913-975		930
1018	Waves in Random Media. 2001 , 5-108		
1017	Dynamics of scalar dissipation in isotropic turbulence: a numerical and modelling study. <i>Journal of Fluid Mechanics</i> , 2001 , 433, 29-60	3-7	86
1016	Chemosensory guidance cues in a turbulent chemical odor plume. 2001 , 46, 1034-1047		116
1015	The AdvectionDiffusion Problem for Stratospheric Flow. Part I: Concentration Probability Distribution Function. 2001 , 58, 1493-1510		30

1014	Axial motion and scalar transport in stretched spiral vortices. 2001 , 13, 2553-2563	45
1013	Modelling Heat Transfer in Near-Wall Flows. 2001 , 188-247	5
1012	Short circuits in the Corrsin-Dubukhov cascade. 2001 , 13, 284-289	39
1011	High-resolution measurements of the spatial and temporal scalar structure of a turbulent plume. 2001 , 31, 90-102	108
1010	Passive scalar measurements in a planar mixing layer by PLIF of acetone. 2001 , 31, 309-318	14
1009	Global effects of gravity waves in the middle atmosphere: a theoretical perspective. 2001 , 27, 1723-1736	14
1008	Rayleigh-Bénard convection in liquid metal layers under the influence of a vertical magnetic field. 2001 , 13, 3247-3257	49
1007	Efficient mixing at low Reynolds numbers using polymer additives. 2001 , 410, 905-8	261
1006	Reproductive pair correlations and the clustering of organisms. 2001 , 412, 328-31	164
1005	Linear eddy simulations of Reynolds number and Schmidt number effects on turbulent scalar mixing. 2001 , 13, 488-499	37
1004	Determining Turbulent Kinetic Energy Dissipation from Batchelor Curve Fitting. 2001 , 18, 100-113	51
1003	Anatomy of turbulence in thermally stratified lakes. 2001 , 46, 1158-1170	35
1002	Effect of condensation and evaporation on the viscous-convective subrange. 2001 , 13, 713-722	5
1001	Finite-correlation-time effects in the kinematic dynamo problem. 2001 , 8, 4937-4953	22
1000	Scalings of scalar structure functions in a velocity field with coherent vortical structures. 2002 , 65, 016304	2
999	Structure of small-scale magnetic fields in the kinematic dynamo theory. 2002 , 65, 016305	52
998	Intermittent distribution of inertial particles in turbulent flows. 2001 , 86, 2790-3	264
997	Hyperbolic lines and the stratospheric polar vortex. 2002 , 12, 382-394	96

996	A model of nonlinear evolution and saturation of the turbulent MHD dynamo. 2002 , 4, 84-84		100
995	Mixing on a Shallow Shelf of the Black Sea. 2002 , 32, 945-956		24
994	Turbulence in Bubble Plumes. 2002 , 1		
993	Spectral measurements of Rayleigh-Taylor mixing at small Atwood number. 2002 , 14, 938-945		45
992	Dependence of the second-order scalar structure function on the Schmidt number. 2002 , 14, 1552-1554		4
991	Decay of passive scalars under the action of single scale smooth velocity fields in bounded two-dimensional domains: from non-self-similar probability distribution functions to self-similar eigenmodes. 2002 , 66, 056302		57
990	G.K. BATCHELOR AND THE HOMOGENIZATION OF TURBULENCE. 2002 , 34, 19-35		14
989	Chaotic stirring by a mesoscale surface-ocean flow. 2002 , 12, 373-381		95
988	Radiatively driven convection in ice-covered lakes: Observations, scaling, and a mixed layer model. 2002 , 107, 7-1		63
987	Segmentation of temperature microstructure. 2002 , 107, 4-1-4-13		5
986	Two-dimensional cascades and mixing: a physical space approach. <i>Journal of Fluid Mechanics</i> , 2002 , 467, 81-100	3-7	11
985	DNS study of turbulent transport at low Prandtl numbers in a channel flow. <i>Journal of Fluid Mechanics</i> , 2002 , 458, 419-441	3-7	44
984	Dependence of the non-stationary form of Yaglom's equation on the Schmidt number. <i>Journal of Fluid Mechanics</i> , 2002 , 451, 99-108	3-7	16
983	Schmidt number effects on turbulent transport with uniform mean scalar gradient. 2002 , 14, 4178-4191		116
982	Polymers in 2D turbulence: suppression of large scale fluctuations. 2002 , 89, 104502		33
981	Small-scale structure of nonlinearly interacting species advected by chaotic flows. 2002 , 12, 470-480		30
980	Mixing: Kinetics and Geometry. 2001 , 165-180		
979	Spectra and Growth Rates of Fluctuating Magnetic Fields in the Kinematic Dynamo Theory with Large Magnetic Prandtl Numbers. 2002 , 567, 828-852		70

978	Microstructure Estimates of Turbulent Salinity Flux and the Dissipation Spectrum of Salinity. 2002 , 32, 2312-2333		67
977	Oceanic Velocity Microstructure Measurements in the 20th Century. 2002 , 58, 153-174		118
976	The Information Content of a Scalar Plume [A Plume Tracing Perspective]. 2002 , 2, 9-34		24
975	Effects of the Resolution and Kinematics of Olfactory Appendages on the Interception of Chemical Signals in a Turbulent Odor Plume. 2002 , 2, 35-64		20
974	Towards quantifying droplet clustering in clouds. 2002 , 128, 1043-1057		53
973	Estimation of the rate of dissipation of turbulent kinetic energy and turbulent lengthscales in grid-generated turbulence. 2003 , 34, 607-615		1
972	The influence of probe resolution on the measurement of a passive scalar and its derivatives. 2003 , 34, 687-696		51
971	Microscales of saturated pool film boiling. 2003 , 46, 3809-3814		1
970	Numerical approach to simulating turbulent flow of a viscoelastic polymer solution. 2003 , 187, 1-21		96
969	Compressible magnetohydrodynamic turbulence: mode coupling, scaling relations, anisotropy, viscosity-damped regime and astrophysical implications. 2003 , 345, 325-339		387
968	The role of charged ice particles for the creation of PMSE: A review of recent developments. 2003 , 31, 2033-2043		13
967	The structure of fine-scale scalar mixing in gas-phase planar turbulent jets. <i>Journal of Fluid Mechanics</i> , 2003 , 488, 1-29	3.7	112
966	Schmidt number dependence of derivative moments for quasi-static straining motion. <i>Journal of Fluid Mechanics</i> , 2003 , 479, 221-230	3.7	12
965	Micro-structure and Lagrangian statistics of the scalar field with a mean gradient in isotropic turbulence. <i>Journal of Fluid Mechanics</i> , 2003 , 474, 193-225	3.7	87
964	Laser-Induced Fluorescence Measurements of a Turbulent Plume. 2003 , 129, 1130-1137		39
963	References. 2003 , 347-357		
962	Radiatively driven convection in an ice-covered lake investigated by using temperature microstructure technique. 2003 , 108,		46
961	Observations of a quasi shear-free lacustrine convective boundary layer: Stratification and its implications on turbulence. 2003 , 108,		51

960	On the nature of PMSE: Electron diffusion in the vicinity of charged particles revisited. 2003 , 108,	97
959	PARTICLE-TURBULENCEINTERACTIONS INATMOSPHERICCLOUDS. 2003 , 35, 183-227	479
958	Turbulence in Stratified Fluids. 2003 , 161-189	1
957	Spectra of turbulence in dilute polymer solutions. 2003 , 15, 2060-2072	139
956	Chaotic mixing in a torus map. 2003 , 13, 502-7	31
955	Inference of biological and physical parameters in an internal wave using multiple-frequency, acoustic-scattering data. 2003 , 60, 1033-1046	42
954	Boundary effects on chaotic advection-diffusion chemical reactions. 2003 , 90, 134501	22
953	Geometric features of the mixing of passive scalars at high Schmidt numbers. 2003 , 91, 174501	29
952	Effect of Mixing on the Nucleation and Growth of Titania Particles. 2003 , 37, 403-424	38
951	Phenomenology of Rayleigh-Taylor turbulence. 2003 , 91, 115001	107
950	Decay of scalar turbulence revisited. 2003 , 90, 034501	43
949	High-frequency acoustic scattering from turbulent oceanic microstructure: the importance of density fluctuations. 2003 , 114, 2685-97	38
948	Turbulence in Mixing Applications. 19-87	6
947	Mixing and Chemical Reactions. 755-867	3
946	Effect of Schmidt number on small-scale passive scalar turbulence. 2003 , 56, 615-632	36
945	Turbulence and Mixing in Holmboe Waves. 2003 , 33, 694-711	77
944	MicroSoar: A New Instrument for Measuring Microscale Turbulence from Rapidly Moving Submerged Platforms. 2003 , 20, 1671-1684	7
943	Direct Numerical Simulation of Differential Scalar Diffusion in Three-Dimensional Stratified Turbulence. 2003 , 33, 1758-1782	20

942	The Motion of Lake Waters. 115-152	2
941	References. 2003 , 277-292	
940	Dispersion of passive tracers in the direct enstrophy cascade: Experimental observations. 2003 , 15, 2228-2237	26
939	On the Batchelor constant in decaying isotropic turbulence. 2003 , 15, 2084-2086	11
938	Small scale density variations of electrons and charged particles in the vicinity of polar mesosphere summer echoes. 2003 , 3, 1399-1407	21
937	Estimates of the Dissipation of Turbulent Kinetic Energy from Temperature Microstructure. 2004 , 1	2
936	Mixing by polymers: experimental test of decay regime of mixing. 2004 , 92, 164501	58
935	Passive scalar evolution in peripheral regions. 2004 , 69, 036301	34
934	Kinetic simulation of steady states of ion temperature gradient driven turbulence with weak collisionality. 2004 , 11, 1476-1483	74
933	Scalar gradient fields by geometric measure theory. 2004 , 69, 047301	1
932	Simulations of nonhelical hydromagnetic turbulence. 2004 , 70, 016308	226
931	Diffusion of passive scalar in a finite-scale random flow. 2004 , 70, 046304	20
930	Universal Law of Enstrophy Decay in Two-Dimensional Large-Reynolds-Number Turbulence. 2004 , 93,	6
929	Dissipation of Turbulent Kinetic Energy near a Bubble Plume. 2004 , 130, 441-449	26
928	Effects of rotation on turbulent mixing: Nonpremixed passive scalars. 2004 , 16, 93-103	11
927	High Schmidt number scalars in turbulence: Structure functions and Lagrangian theory. 2004 , 16, 3888-3899	28
926	The role of seawater constituents in light backscattering in the ocean. 2004 , 61, 27-56	269
925	Simulations of Three-Dimensional Turbulent Mixing for Schmidt Numbers of the Order 1000. 2004 , 72, 333-347	80

924	Basic Properties of Compressible MHD Turbulence: Implications for Molecular Clouds. 2004 , 292, 29-43		7
923	Batchelor scaling in fast-flowing soap films. 2004 , 93, 214504		13
922	Mass-transfer-limited nitrate uptake on a coral reef flat, Warraber Island, Torres Strait, Australia. 2004 , 23, 386-396		35
921	Turbulence strength parameter in laboratory and natural optical experiments in non-Kolmogorov cases. 2004 , 242, 333-338		7
920	Recursive renormalization-group calculation for the eddy viscosity and thermal eddy diffusivity of incompressible turbulence. 2004 , 339, 320-338		4
919	Unified Scaling Theory for Local and Non-local Transfers in Generalized Two-dimensional Turbulence. 2004 , 73, 3319-3330		12
918	A new explanation for long-duration meteor radar echoes: Persistent charged dust trains. 2004 , 39, n/a-n/a		20
917	A bound on mixing efficiency for the advection-diffusion equation. <i>Journal of Fluid Mechanics</i> , 2004 , 521, 105-114	3.7	38
916	Numerical simulation of turbulent drag reduction using rigid fibres. <i>Journal of Fluid Mechanics</i> , 2004 , 518, 281-317	3.7	74
915	On the turbulent co-spectrum of two scalars and its effect on acoustic scattering from oceanic turbulence. <i>Journal of Fluid Mechanics</i> , 2004 , 514, 107-119	3.7	13
914	Chaotic flow and efficient mixing in a microchannel with a polymer solution. 2004 , 69, 066305		124
913	Elastic turbulence in curvilinear flows of polymer solutions. 2004 , 6, 29-29		194
912	Behavior of structure function of refraction coefficients in different turbulent fields. 2004 , 43, 6151-6		45
911	Polar mesosphere summer echoes (PMSE): Review of observations and current understanding. 2004 , 4, 2601-2633		269
910	Statistics of a passive scalar in homogeneous turbulence. 2004 , 6, 40-40		108
909	Stratospheric Tracer Spectra. 2004 , 61, 161-178		17
908	Simulations of the Small-Scale Turbulent Dynamo. 2004 , 612, 276-307		347
907	Mixing and Entrainment in the Red Sea Outflow Plume. Part II: Turbulence Characteristics. 2005 , 35, 584-600		49

906	Finescale Structure of the $T\theta$ Relation in the Eastern North Atlantic. 2005 , 35, 1437-1454	66
905	Evaluation of Oceanographic Microstructure Methods for Hydraulics Problems. 2005 , 1	1
904	On the use of the pulsed-convection approach for modelling advection-diffusion in chaotic flows: A prototypical example and direct numerical simulations. 2005 , 348, 37-73	6
903	New Answers on the Interaction Between Polymers and Vortices in Turbulent Flows. 2005 , 74, 311-329	84
902	Flow Dynamics in the Rybinsk Headwork Tailrace and Its Environmental Assessment. 2005 , 32, 245-251	
901	Polymer Transport in Random Flow. 2005 , 118, 531-554	25
900	Boundary layers on beaches and submarine slopes. 2005 , 291-320	
899	Dependence of Differential Mixing on N and $R\lambda$. 2005 , 35, 991-1003	11
898	The benthic boundary layer. 2005 , 213-227	
897	Heat, buoyancy, instability and turbulence. 2005 , 1-43	1
896	Statistics and geometry of passive scalars in turbulence. 2005 , 17, 125107	39
895	Effects of unsteady strain rate on scalar dissipation structures in turbulent planar jets. 2005 , 17, 125104	22
894	Validity of the Taylor hypothesis in a random spatially smooth flow. 2005 , 17, 103101	35
893	Application of Coherent ADCP for Turbulence Measurements in the Bottom Boundary Layer. 2005 , 22, 1821-1828	49
892	Evolution of a passive scalar spectrum in the flow of random waves. 2005 , 71, 067304	1
891	Density fluctuations in strongly stratified two-dimensional turbulence. 2005 , 94, 174503	21
890	Fluctuations of temperature gradients in turbulent thermal convection. 2005 , 71, 035302	
889	Effects of surface tension on immiscible Rayleigh-Taylor turbulence. 2005 , 71, 055301	17

888	Chaotic mixing in a steady flow in a microchannel. 2005 , 94, 134501		67
887	Lidar studies of aerosols and non-Kolmogorov turbulence in the Mediterranean troposphere. 2005 ,		17
886	Tidal Turbulence and Eddy-Viscosity in Coastal Waters at Northeastern Brazil. 2005 , 211, 18-27		8
885	Two-point, high-repetition-rate Rayleigh thermometry in flames: techniques to correct for apparent dissipation induced by noise. 2005 , 44, 6741-51		28
884	TURBULENT MIXING. 2005 , 37, 329-356		331
883	Observations and numerical modelling of mixed-layer turbulence: Do they represent the same statistical quantities?. 2005 , 52, 1069-1074		2
882	No-slip walls as vorticity sources in two-dimensional bounded turbulence. 2005 , 40, 3-21		11
881	Advective velocity and energy dissipation rate in an oscillatory flow. 2005 , 39, 2569-78		3
880	Effect of Schmidt number on the velocity-scalar cospectrum in isotropic turbulence with a mean scalar gradient. <i>Journal of Fluid Mechanics</i> , 2005 , 532, 111-140	3-7	24
879	Scalar dissipation rate and dissipative anomaly in isotropic turbulence. <i>Journal of Fluid Mechanics</i> , 2005 , 532, 199-216	3-7	88
878	Very fine structures in scalar mixing. <i>Journal of Fluid Mechanics</i> , 2005 , 531, 113-122	3-7	85
877	Shear effects on passive scalar spectra. <i>Journal of Fluid Mechanics</i> , 2005 , 523, 99-108	3-7	25
876	Eddy diffusivity near bubble plumes. 2005 , 41,		7
875	The Survival of Mantle Geochemical Heterogeneities. 2005 , 27-46		24
874	Differential Diffusion in Breaking Kelvin-Helmholtz Billows. 2005 , 35, 1004-1022		52
873	Direct Numerical Simulation of Passive Scalar Mixing in Spatially Evolving Turbulent Round Jets. 2005 ,		5
872	Single-polymer dynamics: Coil-stretch transition in a random flow. 2005 , 71, 221-227		66
871	Statistics of transfer fluxes of the kinetic energy and scalar variance. 2005 , 6, N33		22

870	Coarse grained scale of turbulent mixtures. 2006 , 97, 144506		23
869	Role of elastic stress in statistical and scaling properties of elastic turbulence. 2006 , 96, 214502		42
868	Toward a Unified Scaling Relation for Interfacial Fluxes. 2006 , 36, 955-961		50
867	Phytoplankton microstructure in fully developed oceanic turbulence. 2006 , 33, n/a-n/a		15
866	Observations and theories of Polar Mesospheric Summer Echoes at a Bragg wavelength of 16 cm. 2006 , 111,		24
865	Influence of temperature and salinity fluctuations on propagation behaviour of partially coherent beams in oceanic turbulence. 2006 , 8, 1052-1058		87
864	Direct numerical simulation of polymer-induced drag reduction in turbulent boundary layer flow of inhomogeneous polymer solutions. <i>Journal of Fluid Mechanics</i> , 2006 , 566, 153	3-7	40
863	Convective instability of electrokinetic flows in a cross-shaped microchannel. <i>Journal of Fluid Mechanics</i> , 2006 , 555, 1	3-7	106
862	Statistically stationary differential diffusion in a large-scale internal waves environment. 2006 , 53, 116-127		3
861	. 2006 ,		11
860	Structure of Turbulent Chemical Plumes. 2006 , 109-129		
859	Similarity relationships in the unstable aquatic surface layer. 2006 , 33,		5
858	Estimates and Implications of Surface Eddy Diffusivity in the Southern Ocean Derived from Tracer Transport. 2006 , 36, 1806-1821		185
857	Turbulent mixing in a confined rectangular wake. 2006 , 61, 6946-6962		25
856	Ocean rheology. 2006 , 133, 121-131		4
855	A stochastic analysis of a nonlinear flow response. 2006 , 21, 377-383		5
854	Spatial dependence of correlation functions in the decay problem for a passive scalar in a large-scale velocity field. 2006 , 102, 685-701		2
853	Diffusion-controlled first-order surface reaction in turbulent flow. 2006 , 103, 119-125		

852	Diapycnal Mixing in the Thermocline of Lakes: Estimations by Different Methods. 2006 , 6, 227-240	9
851	An artificial moth: Chemical source localization using a robot based neuronal model of moth optomotor anemotactic search. 2006 , 20, 197-213	80
850	Dissipation rate correction methods. 2006 , 40, 405-421	3
849	A method to simultaneously image two-dimensional mixture fraction, scalar dissipation rate, temperature and fuel consumption rate fields in a turbulent non-premixed jet flame. 2006 , 41, 603-627	23
848	Kinetic simulations of turbulent fusion plasmas. 2006 , 7, 650-669	25
847	Mode-to-mode energy transfers in convective patterns. 2006 , 67, 1129-1140	3
846	Turbulent dispersion in the ocean. 2006 , 70, 113-125	20
845	Microstructure measurements in natural waters: Methodology and applications. 2006 , 70, 126-148	49
844	Lagrangian Scalar Tracking for Laminar Micromixing at High Schmidt Numbers. 2006 , 1053	9
843	Interaction of turbulence and scalar fields in premixed flames. 2006 , 18, 045102	100
842	Batchelor's spectrum from an axisymmetric strained scalar field. 2006 , 18, 065111	3
841	Geometry of intensive scalar dissipation events in turbulence. 2006 , 97, 124502	17
840	Heat equilibrium distribution in a turbulent flow. 2006 , 47, 073302	
839	The stress generated by non-Brownian fibers in turbulent channel flow simulations. 2007 , 19, 115107	36
838	Strong effect of weak diffusion on scalar turbulence at large scales. 2007 , 19, 101703	5
837	Oceanic Isopycnal Slope Spectra. Part II: Turbulence. 2007 , 37, 1232-1245	49
836	Oceanic Isopycnal Slope Spectra. Part I: Internal Waves. 2007 , 37, 1215-1231	27
835	Measurement of Scalar Variance Dissipation from Lagrangian Floats. 2007 , 24, 1066-1077	2

- 834 A dynamical equation for the distribution of a scalar advected by turbulence. **2007**, 19, 028101 6
- 833 Influence of the Damköhler number on turbulence-scalar interaction in premixed flames. I. Physical insight. **2007**, 19, 045103 111
- 832 A system model for assessing scalar dissipation measurement accuracy in turbulent flows. **2007**, 18, 1287-1303 56
- 831 Bounding biomass in the Fisher equation. **2007**, 75, 066304 15
- 830 Inverse turbulent cascades and conformally invariant curves. **2007**, 98, 024501 69
- 829 Physics of reshock and mixing in single-mode Richtmyer-Meshkov instability. **2007**, 76, 026319 60
- 828 Mantle Geochemical Geodynamics. **2007**, 437-505 7
- 827 On the performance of the moment approximation for the numerical computation of fiber stress in turbulent channel flow. **2007**, 19, 035102 47
- 826 Velocity and Passive Scalar Cross Spectra in Stably and Unstably Stratified Grid Turbulence. **2007**, 2, 109-119 1
- 825 Enhancement of Chaotic Mixing in Electroosmotic Flows by Random Period Modulation. **2007**, 1067
- 824 Slant-path atmospheric MTF. **2007**,
- 823 Spatial distributions of aerosol particles: Investigation of the Poisson assumption. **2007**, 38, 807-822 13
- 822 Kolmogorov and non-Kolmogorov turbulence and its effects on optical communication links. **2007**, 3
- 821 Implicit subgrid-scale modeling for large-eddy simulation of passive-scalar mixing. **2007**, 19, 095102 35
- 820 Near-wall passive scalar transport at high Prandtl numbers. **2007**, 19, 065105 26
- 819 Magnetohydrodynamics. **2007**, 41
- 818 Progress in Turbulence II. **2007**, 3
- 817 A numerical study of passive scalar evolution in peripheral regions. **2007**, 19, 067101 23

816	Elastic turbulence in von Karman swirling flow between two disks. 2007 , 19, 053104		70
815	Measurements of Turbulent Flows. 2007 , 745-855		1
814	Multiresolution robustness of the probability density of scalar fields and multiscale aspects of scalar interfaces in fully-developed turbulent jets. 2007 , 8, N27		1
813	Bubbles and filaments: stirring a Cahn-Hilliard fluid. 2007 , 75, 016216		19
812	Environmental turbulent mixing controls on air-water gas exchange in marine and aquatic systems. 2007 , 34,		202
811	Microstructure measurements and heat flux calculations of a triple-diffusive process in a lake within the diffusive layer convection regime. 2007 , 112,		18
810	Variations of turbulent flow with river discharge in the Altamaha River Estuary, Georgia. 2007 , 112,		5
809	Evolution and mixing of asymmetric Holmboe instabilities. <i>Journal of Fluid Mechanics</i> , 2007 , 582, 103-133.7		43
808	Coherent vortices and tracer cascades in two-dimensional turbulence. <i>Journal of Fluid Mechanics</i> , 2007 , 574, 429-448	3.7	15
807	Vortices in oscillating spin-up. <i>Journal of Fluid Mechanics</i> , 2007 , 573, 339-369	3.7	17
806	Dynamical Simulation and Statistical Analysis of Velocity Fluctuations of a Turbulent Flow behind a Cube. 2007 , 2007, 1-28		2
805	Structure of mass and momentum fields over a model aggregation of benthic filter feeders. 2007 , 4, 269-282		13
804	Polar mesosphere summer echoes: a comparison of simultaneous observations at three wavelengths. 2007 , 25, 2487-2496		11
803	Dissipation length scales in turbulent nonpremixed jet flames. 2007 , 148, 62-75		58
802	Couplage statistique entre vorticit�et gradient de scalaire passif dans une turbulence statistiquement homog�ne et isotrope mise en rotation. 2007 , 335, 93-98		
801	Anomalous scaling in passive scalar advection from anomalous exponents in polymer partition function. 2007 , 334, 232-241		3
800	Effects of interfacial velocity boundary condition on turbulent mass transfer at high Schmidt numbers. 2007 , 28, 1192-1203		14
799	DNS of passive scalar transport in turbulent channel flow at high Schmidt numbers. 2007 , 28, 1204-1214		63

798	Stirring up trouble: Multi-scale mixing measures for steady scalar sources. 2007 , 231, 143-164		27
797	On the small-scale statistics of turbulent mixing in electrochemical systems. 2007 , 600, 119-130		18
796	Polymer dynamics in chaotic flows with a strong shear component. 2007 , 105, 655-664		28
795	Fluid-particle separation in a random flow described by the telegraph model. 2007 , 76, 026312		3
794	Simultaneous velocity and concentration field measurements of passive-scalar mixing in a confined rectangular jet. 2007 , 42, 847-862		29
793	An Explicit Family of Probability Measures for Passive Scalar Diffusion in a Random Flow. 2007 , 128, 927-968		3
792	Evolution of the Probability Measure for the Majda Model: New Invariant Measures and Breathing PDFs. 2007 , 130, 343-371		5
791	Spatial resolution effects on the measurement of scalar variance and scalar gradient in turbulent nonpremixed jet flames. 2008 , 44, 633-645		39
790	Planar laser induced fluorescence in aqueous flows. 2008 , 44, 851-863		173
789	Direct numerical simulation of turbulent heat transfer modulation in micro-dispersed channel flow. 2008 , 195, 305-326		40
788	Polar mesosphere summer echoes (PMSE) studied at Bragg wavelengths of 2.8m, 67cm, and 16cm. 2008 , 70, 947-961		52
787	Chaotic mixing enhancement in electro-osmotic flows by random period modulation. 2008 , 372, 1001-1008		14
786	Coherent Vortices and Tracer Transport. 2008 , 101-118		5
785	Dispersion and Mixing in Quasi-two-dimensional Rotating Flows. 2008 , 119-136		
784	The double-diffusive modon. <i>Journal of Fluid Mechanics</i> , 2008 , 609, 59-85	3-7	17
783	On the spatial length scales of scalar dissipation in turbulent jet flames. <i>Journal of Fluid Mechanics</i> , 2008 , 596, 103-132	3-7	10
782	IUTAM Symposium on Computational Physics and New Perspectives in Turbulence. 2008 ,		2
781	Chapter Four The Covariant Scaling of Probability. 2008 , 15, 173-198		

780	Thermal convection and emergence of isolated vortices in soap bubbles. 2008 , 100, 144501	41
779	Lidar study of aerosol turbulence characteristics in the troposphere: Kolmogorov and non-Kolmogorov turbulence. 2008 , 88, 66-77	86
778	Nearly incompressible fluids: Decay of solar wind density fluctuations. 2008 , 113, n/a-n/a	10
777	Mixing across the Arctic Ocean: Microstructure observations during the Beringia 2005 Expedition. 2008 , 35,	84
776	Vortical and wave modes in 3D rotating stratified flows: random large-scale forcing. 2008 , 102, 437-455	24
775	DETECTION OF BROWNIAN PARTICLES (EULERIAN AND LAGRANGIAN STATISTICS OF IMPURITY PARTICLE IN ATMOSPHERE). 2008 , 18, 2727-2731	
774	Turbulence in Fluids. 2008 ,	250
773	UNIVERSAL PRANDTL NUMBER IN TWO-DIMENSIONAL KRAICHNAN-BATCHELOR TURBULENCE. 2008 , 22, 3421-3431	1
772	Direct Breaking of the Internal Tide near Topography: Kaena Ridge, Hawaii. 2008 , 38, 380-399	130
771	Calculation of scalar structure functions from a vortex model of turbulent passive scalar transport. 2008 , 20, 025108	
770	Effect of heat release on turbulence and scalar-turbulence interaction in premixed combustion. 2008 , 20, 035110	85
769	The nonlinear large-eddy simulation method applied to Sc_{θ} and Sc_{τ} passive-scalar mixing. 2008 , 20, 035103	18
768	Mixing enhancement in electro-osmotic flows via modulation of electric fields. 2008 , 20, 093603	16
767	Constraints on scalar diffusion anomaly in three-dimensional flows having bounded velocity gradients. 2008 , 20, 077103	4
766	Scalar-energy spectra in simulations of Sc_{τ} mixing by turbulent jets using the nonlinear large-eddy simulation method. 2008 , 20, 071701	3
765	Agitation and Fluid Mixing Technology. 2009 , 679-755	2
764	Local transfer and spectra of a diffusive field advected by large-scale incompressible flows. 2008 , 78, 036310	4
763	Passive scalar spectrum in high-Schmidt-number stationary and nonstationary turbulence. 2008 , 77, 017301	3

762	Bridging kinematics and concentration content in a chaotic micromixer. 2008 , 77, 015301		42
761	Emergent singular solutions of nonlocal density-magnetization equations in one dimension. 2008 , 77, 036211		4
760	High concentrations of a passive scalar in turbulent dispersion. <i>Journal of Fluid Mechanics</i> , 2008 , 604, 447-474	3.7	18
759	On the non-local geometry of turbulence. <i>Journal of Fluid Mechanics</i> , 2008 , 603, 101-135	3.7	36
758	Dissipation-scale fluctuations and mixing transition in turbulent flows. <i>Journal of Fluid Mechanics</i> , 2008 , 606, 325-337	3.7	7
757	Differential diffusion of high-Schmidt-number passive scalars in a turbulent jet. <i>Journal of Fluid Mechanics</i> , 2008 , 612, 439-475	3.7	13
756	Mixing by random stirring in confined mixtures. <i>Journal of Fluid Mechanics</i> , 2008 , 617, 51-86	3.7	62
755	Industrial Mixing Technology. 2008 , 615-707		1
754	Gregory Falkovich. Introduction to turbulence theory. 1-43		3
753	Turbulence, Acoustic Backscatter, and Pelagic Nekton in Monterey Bay. 2009 , 39, 1097-1114		33
752	High Resolution Scalar Dissipation Measurements in an IC Engine. 2009 , 2, 475-491		6
751	Scaling of the two-point velocity difference along scalar gradient trajectories in fluid turbulence. 2009 , 79, 046325		17
750	Imaging and communications through non-Kolmogorov turbulence. 2009 ,		3
749	Observations of turbulent mixing in a phytoplankton thin layer: Implications for formation, maintenance, and breakdown. 2009 , 54, 1353-1368		35
748	Local and nonlocal dispersive turbulence. 2009 , 21, 056603		18
747	Inertial range scaling of the scalar flux spectrum in two-dimensional turbulence. 2009 , 21, 115105		11
746	An Assessment of the Importance of Chaotic Stirring and Turbulent Mixing on the West Florida Shelf. 2009 , 39, 1743-1755		23
745	An Evaluation of ϵ Estimation Techniques: Implications for Batchelor Fitting and e. 2009 , 26, 1652-1662		21

744	On the unsteady behavior of turbulence models. 2009 , 21, 041701	5
743	Spectrum of a passive scalar in moderate Reynolds number homogeneous isotropic turbulence. 2009 , 21, 111702	26
742	The role of a delay time on the spatial structure of chaotically advected reactive scalars. 2009 , 21, 087101	2
741	Mixing Measurements on an Equatorial Ocean Mooring. 2009 , 26, 317-336	69
740	Entropic Forces in Geophysical Fluid Dynamics. 2009 , 11, 360-383	7
739	Open-flow mixing: Experimental evidence for strange eigenmodes. 2009 , 21, 023603	24
738	Experimental Investigation of the Jets in Crossflow: Nonswirling Flow Case. 2009 , 47, 1079-1089	7
737	An idealised model of turbulent dispersion: two rectangular pulse initial condition. 2009 , 20, 527-540	1
736	Averaged dynamics of time-periodic advection diffusion equations in the limit of small diffusivity. 2009 , 238, 233-240	2
735	Lagrangian marker particle trajectory and microconductivity measurements in a mixing tank. 2009 , 64, 276-287	2
734	Hybrid DNS/LES of high Schmidt number mass transfer across turbulent air-water interface. 2009 , 52, 1012-1022	24
733	Spectral observations of polar mesospheric summer echoes at 33 cm (450 MHz) with the Poker Flat Incoherent Scatter Radar. 2009 , 71, 662-674	19
732	PMSE and E-region plasma instability: In situ observations. 2009 , 71, 143-157	6
731	Time-resolved velocity and concentration measurements in variable-viscosity turbulent jet flow. 2009 , 47, 769-787	16
730	Exploring polar mesospheric summer echoes. 2009 , 50, 1.08-1.14	3
729	Brightness power spectral distribution and waves in Jupiter's upper cloud and hazes. 2009 , 202, 181-196	17
728	Low-pass filtering effects of viscous sublayer on high Schmidt number mass transfer close to a solid wall. 2009 , 30, 525-533	25
727	Elastic stresses in random flow of a dilute polymer solution and the turbulent drag reduction problem. 2009 , 10, 728-739	10

726	A simple underwater imaging model. 2009 , 34, 2688-90		95
725	Estimating mixing rates from seismic images of oceanic structure. 2009 , 36,		42
724	7 Dynamics and Electrodynamics of the Mesosphere. 2009 , 96, 343-378		
723	Rain-induced turbulence and air-sea gas transfer. 2009 , 114,		39
722	Turbulent supply of nutrients to phytoplankton at the New England shelf break front. 2009 , 114,		25
721	Multifrequency observations of Polar Mesosphere Summer Echoes using Alaskan radar facilities: Comparisons and scattering calculations. 2009 , 44, n/a-n/a		5
720	Geochemical systems. 120-137		
719	Three-dimensional odorant concentration measurements around actively tracking blue crabs. 2009 , 7, 96-108		16
718	Nonlinear dynamics of viscoelastic Taylor-Couette flow: effect of elasticity on pattern selection, molecular conformation and drag. <i>Journal of Fluid Mechanics</i> , 2009 , 620, 353-382	3.7	30
717	Peripheral mixing of passive scalar at small Reynolds number. <i>Journal of Fluid Mechanics</i> , 2009 , 624, 151-158	3.7	10
716	Analogy between velocity and scalar fields in a turbulent channel flow. <i>Journal of Fluid Mechanics</i> , 2009 , 628, 241-268	3.7	55
715	The diffusive strip method for scalar mixing in two dimensions. <i>Journal of Fluid Mechanics</i> , 2010 , 662, 134-172	3.7	47
714	Numerical simulations of Rayleigh-Bénard convection for Prandtl numbers between 10 ³ and 10 ⁴ and Rayleigh numbers between 10 ⁵ and 10 ⁹ . <i>Journal of Fluid Mechanics</i> , 2010 , 662, 409-446	3.7	53
713	George Batchelor: a personal tribute, ten years on. <i>Journal of Fluid Mechanics</i> , 2010 , 663, 2-7	3.7	3
712	In situ measurements of turbulence in fish shoals. 2010 , 55, 354-364		15
711	Influence of Bluff-body and Swirl on Mixing and Intermittency of Jets. 2010 , 4, 374-386		5
710	Two-dimensional gyrokinetic turbulence. <i>Journal of Fluid Mechanics</i> , 2010 , 664, 407-435	3.7	45
709	TURBULENT DISPERSION: HOW RESULTS FOR THE ZERO MOLECULAR DIFFUSIVITY CASE CAN BE USED IN THE REAL WORLD. 2010 , 3-24		

708	Mean velocity increment conditioned on gradient trajectories of various scalar variables in turbulence. 2010 , T142, 014004	4
707	INHOMOGENEOUS NEARLY INCOMPRESSIBLE DESCRIPTION OF MAGNETOHYDRODYNAMIC TURBULENCE. 2010 , 718, 148-167	72
706	Kolmogorov scaling, its extensions, and two-dimensional turbulence. 145-172	
705	Spatio-Temporal Variations of Turbulent Energy Dissipation Rate during Stratification Period in Ariake Bay. 2010 , 66, 331-335	
704	Studies of polar mesosphere summer echoes with the EISCAT VHF and UHF radars: Information contained in the spectral shape. 2010 , 45, 247-259	15
703	The Scalar Gradient Alignment Statistics of Flame Kernels and its Modelling Implications for Turbulent Premixed Combustion. 2010 , 85, 25-55	29
702	The Batchelor Spectrum for Mixing of Passive Scalars in Isotropic Turbulence. 2010 , 85, 549-566	55
701	Contactless Mixing of Liquid Metals. 2010 , 41, 94-111	11
700	Enhanced Mass Transfer in Stirred Tanks. 2010 , 33, 508-522	8
699	Effects of premixed flames on turbulence and turbulent scalar transport. 2010 , 36, 1-102	146
698	Statistical geometry of chaotic two-dimensional transport. 2010 , 92, 107-109	2
697	Stochastic Heterogeneity Mapping around a Mediterranean salt lens. 2010 , 6, 423-429	6
696	Generalized atmospheric turbulence: implications regarding imaging and communications. 2010 ,	13
695	Diffusion of scalar concentration from localized sources in turbulent flows. 2010 , 26,	
694	Rotation shields chaotic mixing regions from no-slip walls. 2010 , 104, 204502	23
693	On the two-dimensionalization of quasistatic magnetohydrodynamic turbulence. 2010 , 22, 075104	21
692	Transitional flow of a non-Newtonian fluid in a pipe: Experimental evidence of weak turbulence induced by shear-thinning behavior. 2010 , 22, 101701	13
691	Inertial-Convective Subrange Estimates of Thermal Variance Dissipation Rate from Moored Temperature Measurements. 2010 , 27, 1950-1959	26

690	Boundary layer structure in turbulent thermal convection and its consequences for the required numerical resolution. 2010 , 12, 075022	208
689	Mixing by low- and high-resolution surface geostrophic currents. 2010 , 115,	13
688	Microphysical parameters of mesospheric ice clouds derived from calibrated observations of polar mesosphere summer echoes at Bragg wavelengths of 2.8 m and 30 cm. 2010 , 115,	20
687	Transport by an intrusion generated by boundary mixing in a lake. 2010 , 46,	16
686	Reply to comment by P. M. Bellan on Comment on The iron/sodium film as cause for high noctilucent cloud radar reflectivity 2010 , 115,	2
685	Turbulent mixing and beyond. 2010 , 368, 1539-46	16
684	Temporal-frequency spectra for optical wave propagating through non-Kolmogorov turbulence. 2010 , 18, 5763-75	29
683	Log-amplitude variance for a Gaussian-beam wave propagating through non-Kolmogorov turbulence. 2010 , 18, 451-62	54
682	Turbulent mixing in fine-scale phytoplankton layers: Observations and inferences of layer dynamics. 2010 , 30, 442-455	18
681	Surface Ocean Mixing Inferred from Different Multisatellite Altimetry Measurements. 2010 , 40, 2466-2480	24
680	Lagrangian views on turbulent mixing of passive scalars. 2010 , 368, 1561-77	25
679	Micro and Macro Mixing. 2010 ,	9
678	Mixing of passive tracers in the decay Batchelor regime of a channel flow. 2010 , 22, 123101	24
677	Injector Geometry Effects on Cryogenic Coaxial Jets at Supercritical Pressures. 2010 ,	1
676	Horizontal dispersion of ocean tracers in internal wave shear. 2011 , 116,	12
675	Moving walls accelerate mixing. 2011 , 84, 036313	20
674	On the Gradient Diffusion Hypothesis and Passive Scalar Transport in Turbulent Flows. 2011 , 50, 8817-8823	45
673	Polarization and scattering of a long-duration meteor trail. 2011 , 116, n/a-n/a	11

672	References. 2011 , 335-349		
671	Three-dimensional measurements of a turbulent scalar field in a round jet. 2011 ,		
670	Scalar decay in a three-dimensional chaotic flow. 2011 , 83, 056306		4
669	Modelling Methods. 41-150		6
668	Prandtl Number Effect on Heat Transfer Degradation in MHD Turbulent Shear Flows by Means of High-Resolution DNS. 2011 ,		
667	Fluid mixing by swimming organisms in the low-Reynolds-number limit. 2011 , 69, 591-601		16
666	Quasi-static magnetohydrodynamic turbulence at high Reynolds number. <i>Journal of Fluid Mechanics</i> , 2011 , 681, 434-461	3-7	31
665	Stanley Corrsin. 238-275		1
664	George Batchelor: the post-war renaissance of research in turbulence. 276-304		1
663	Robert H. Kraichnan. 329-372		10
662	Philip G. Saffman. 393-425		1
661	Epilogue: a turbulence timeline. 426-434		
660	The electron density dependence of polar mesospheric summer echoes. 2011 , 73, 2153-2165		29
659	Majority of PMSE spectral widths at UHF and VHF are compatible with a single scattering mechanism. 2011 , 73, 2142-2152		19
658	Power spectral analysis of Jupiter's clouds and kinetic energy from Cassini. 2011 , 216, 597-609		27
657	Bounding the scalar dissipation scale for mixing flows in the presence of sources. <i>Journal of Fluid Mechanics</i> , 2011 , 688, 443-460	3-7	5
656	Elastic turbulence in a curvilinear channel flow. 2011 , 84, 056325		24
655	The Role of Wake Production on the Scaling Laws of Scalar Concentration Fluctuation Spectra Inside Dense Canopies. 2011 , 139, 83-95		11

654	Statistical Analysis of Scalar Dissipation Rate Transport in Turbulent Partially Premixed Flames: A Direct Numerical Simulation Study. 2011 , 86, 1-44	18
653	High-resolution turbulent scalar field measurements in an optically accessible internal combustion engine. 2011 , 51, 1695-1708	14
652	Alignment statistics of active and passive scalar gradients in turbulent stratified flames. 2011 , 83, 046308	15
651	Resonant plankton patchiness induced by large-scale turbulent flow. 2011 , 83, 016303	6
650	Quantifying turbulence microstructure for improvement of underwater imaging. 2011 ,	1
649	Universality and anisotropy in passive scalar fluctuations in turbulence with uniform mean gradient. 2011 , 12, N48	18
648	Lamination and folding in electromagnetically driven flows of specified geometries. 2011 , 12, N6	8
647	Measures of mixing quality in open flows with chaotic advection. 2011 , 23, 013604	16
646	The relative effects of particles and turbulence on acoustic scattering from deep-sea hydrothermal vent plumes. 2011 , 130, 1856-67	11
645	Small-Scale Spectrum of a Scalar Field in Water: The Batchelor and Kraichnan Models. 2011 , 41, 2155-2167	12
644	Dissipation range turbulent cascades in plasmas. 2012 , 19, 055906	16
643	Turbulence. 2012 , 541-620	
642	Anisotropy in high-frequency broadband acoustic backscattering in the presence of turbulent microstructure and zooplankton. 2012 , 132, 670-9	3
641	First-Order Structure Function Analysis of Statistical Scale Invariance in the AIRS-Observed Water Vapor Field. 2012 , 25, 5538-5555	18
640	Experimental Evidence of the Kraichnan Scalar Spectrum at High Reynolds Numbers. 2012 , 42, 1717-1728	18
639	Using multiscale norms to quantify mixing and transport. 2012 , 25, R1-R44	76
638	Turbulent three-dimensional dielectric electrohydrodynamic convection between two plates. <i>Journal of Fluid Mechanics</i> , 2012 , 696, 228-262	3.7 25
637	Mixing and Chaos in Open Flows. 2012 , 1-50	5

636	Optical turbulence on underwater image degradation in natural environments. 2012 , 51, 2678-86		76
635	Reduction of mean-square advection in turbulent passive scalar mixing. 2012 , 24, 075104		23
634	Scaling range of velocity and passive scalar spectra in grid turbulence. 2012 , 24, 075101		9
633	Lamination and mixing in three fundamental flow sequences driven by electromagnetic body forces. 2012 , 86, 026313		9
632	Bounds for the number of degrees of freedom of incompressible magnetohydrodynamic turbulence in two and three dimensions. 2012 , 85, 066323		4
631	Numerical Investigations of Passive Scalar Transport in Turbulent Taylor-Couette Flows: Large Eddy Simulation Versus Direct Numerical Simulations. 2012 , 134,		4
630	Passive Scalar Transport in Turbulence: A Computational Perspective. 87-131		39
629	On energetics and inertial-range scaling laws of two-dimensional magnetohydrodynamic turbulence. <i>Journal of Fluid Mechanics</i> , 2012 , 703, 238-254	3-7	3
628	Simulations of a double-diffusive interface in the diffusive convection regime. <i>Journal of Fluid Mechanics</i> , 2012 , 711, 411-436	3-7	31
627	Ocean haline skin layer and turbulent surface convections. 2012 , 117, n/a-n/a		13
626	A direct numerical simulation study of turbulence and flame structure in transverse jets analysed in jet-trajectory based coordinates. <i>Journal of Fluid Mechanics</i> , 2012 , 706, 351-383	3-7	37
625	On Dissipation in Stirred Mixtures. 2012 , 45, 91-107		13
624	Two-Dimensional Turbulence. 2012 , 44, 427-451		472
623	Multi-kHz temperature imaging in turbulent non-premixed flames using planar Rayleigh scattering. 2012 , 108, 377-392		35
622	Effect of non-Kolmogorov turbulence on beam spreading in satellite laser communication. 2012 , 33, 456-463		4
621	Marine microbes see a sea of gradients. 2012 , 338, 628-33		376
620	Trade-offs of chemotactic foraging in turbulent water. 2012 , 338, 675-9		135
619	Flow topology and scalar mixing in spatially heterogeneous flow fields. 2012 , 39, n/a-n/a		84

618	Mixing by porous media. 2012 , 340, 933-943	35
617	Friction dominated exchange in a Florida estuary. 2012 , 113, 248-258	9
616	Lamination and mixing in laminar flows driven by Lorentz body forces. 2012 , 97, 14006	8
615	A Lagrangian View of Turbulent Dispersion and Mixing. 132-175	3
614	MHD Dynamos and Turbulence. 351-404	6
613	Measuring currents in a coastal inlet by advection of turbulent eddies in airborne optical imagery. 2012 , 117, n/a-n/a	9
612	Microstructure measurements along a quasi-meridional transect in the northeastern Atlantic Ocean. 2012 , 117, n/a-n/a	17
611	Microstructure observations during the spring 2011 STRATIPHYT-II cruise in the northeast Atlantic. 2012 , 8, 945-957	8
610	Large Eddy Simulation of Turbulent Reacting Mixing of Liquids in a Coaxial Jet Mixer. 2012 , 84, n/a-n/a	
609	Fractal Iso-Contours of Passive Scalar in Two-Dimensional Smooth Random Flows. 2012 , 147, 424-435	2
608	Dissipation element analysis of scalar field in turbulent jet flow. 2012 , 37, 57-64	1
607	Transitional ventilated filling box flow with a line heat source. 2012 , 55, 3650-3665	9
606	Possible effect of hyperthermal electrons on the charging of mesospheric dust. 2012 , 74, 124-128	3
605	Comparison between kinetic energy and passive scalar energy transfer in locally homogeneous isotropic turbulence. 2012 , 241, 224-231	15
604	Statistical properties of passive scalar in a random flow with a strong shear component. 2012 , 376, 1836-1838	
603	Subgrid scale scalar variance in high-Schmidt-number turbulence. 2012 , 58, 377-384	2
602	Multi-kHz mixture fraction imaging in turbulent jets using planar Rayleigh scattering. 2012 , 106, 457-471	40
601	K ϵ m ϵ -Howarth closure equation on the basis of a universal eddy viscosity. 2013 , 88, 011003	16

600	Hierarchical Parcel-Swapping Representation of Turbulent Mixing. Part 1. Formulation and Scaling Properties. 2013 , 153, 142-161		6
599	Lamination, stretching, and mixing in cat's eyes flip sequences with varying periods. 2013 , 25, 073604		3
598	Principles of Chemical Reaction Engineering. 2013 , 1-99		0
597	A novel forcing technique to simulate turbulent mixing in a decaying scalar field. 2013 , 25, 095102		8
596	Influence of Non-Kolmogorov Turbulence on Bit-Error Rates in Laser Satellite Communications. 2013 , 34, 351-355		6
595	Scalar Turbulence within the Canopy Sublayer. 2013 , 73-95		11
594	Reassessment of the classical closures for scalar turbulence. 2013 , 14, 71-98		5
593	Spectral non-locality, absolute equilibria and Kraichnan-Batchelor phenomenology in two-dimensional turbulent energy cascades. <i>Journal of Fluid Mechanics</i> , 2013 , 725, 332-371	3-7	8
592	Dynamical effect of the total strain induced by the coherent motion on local isotropy in a wake. <i>Journal of Fluid Mechanics</i> , 2013 , 720, 393-423	3-7	22
591	Spectrum of passive scalars of high molecular diffusivity in turbulent mixing. <i>Journal of Fluid Mechanics</i> , 2013 , 716,	3-7	14
590	Mixing in a vortex breakdown flow. <i>Journal of Fluid Mechanics</i> , 2013 , 731, 195-222	3-7	7
589	Mixing process on the northeast coast of Hokkaido in summer. 2013 , 69, 1-13		8
588	Sunset decay of the convective turbulence with Large-Eddy Simulation under realistic conditions. 2013 , 392, 4481-4490		24
587	On the destruction coefficients for slightly heated decaying grid turbulence. 2013 , 43, 129-136		14
586	A diapycnal diffusivity model for stratified environmental flows. 2013 , 61-62, 14-34		98
585	Assessing shelf mixing using CTD, ADCP, and free falling shear probe turbulence data. 2013 , 69, 73-87		7
584	Temperature dynamics in decaying isotropic turbulence with Joule heat production. <i>Journal of Fluid Mechanics</i> , 2013 , 724, 425-449	3-7	10
583	Charged Aerosol Effects on the Scattering of Radar Waves from the D-Region. 2013 , 339-363		3

582	Process Intensification: An Overview of Principles and Practice. 2013 , 1-31	6
581	Scale decomposition in compressible turbulence. 2013 , 247, 54-65	79
580	Polarization changes in a partially coherent radially polarized doughnut beam through turbulent ocean. 2013 , 60, 1576-1584	4
579	Impacts of underwater turbulence on acoustical and optical signals and their linkage. 2013 , 21, 4367-75	38
578	Broadband acoustic quantification of stratified turbulence. 2013 , 134, 40-54	17
577	Resolving the fine-scale structure in turbulent Rayleigh-Bard convection. 2013 , 15, 113063	56
576	Statistical characteristics of PMWE observations by the EISCAT VHF radar. 2013 , 31, 359-375	12
575	Variable-viscosity mixing in the very near field of a round jet. 2013 , T155, 014006	9
574	Loss of monotonicity and anomalous scaling behavior in the passive scalar gradient. 2013 , 23, 108-123	1
573	On filtering in the viscous-convective subrange for turbulent mixing of high Schmidt number passive scalars. 2013 , 25, 055104	5
572	On the Kolmogorov inertial subrange developing from Richtmyer-Meshkov instability. 2013 , 25, 071701	22
571	Lagrangian Markovianized field approximation for turbulence. 2013 , 14, 99-120	13
570	Quantification of waves in lidar observations of noctilucent clouds at scales from seconds to minutes. 2013 , 13, 11757-11768	16
569	IN-SITU MEASUREMENTS OF TURBULENT ENERGY DISSIPATION RATE DURING THERMAL STRATIFICATION PERIOD IN COASTAL OCEAN. 2013 , 69, I_1216-I_1221	
568	Diffusive boundary layer influenced by bottom boundary hydrodynamics in tidal flows. 2013 , 118, 5994-6005	5
567	High Resolution In-Cylinder Scalar Field Measurements during the Compression and Expansion Strokes. 2013 ,	3
566	Patterns in temporal variability of temperature, oxygen and pH along an environmental gradient in a coral reef. 2014 , 9, e85213	66
565	On the Accuracy of Dissipation Scale Measurements in IC Engines. 2014 , 7, 323-338	1

564	Turbulent Diffusion. 2014,	
563	Frontal Instabilities at Density Shear Interfaces in Rotating Two-Layer Stratified Fluids. 2014, 213-228	
562	. 2014,	4
561	Spectral calculations in stably stratified turbulence. 2014, 90, 063013	1
560	Mode-space energy distribution in instability-driven plasma turbulence. 2014, 21, 122303	14
559	Profile of Keith Moffatt. 2014, 111, 3650-2	4
558	Predator-prey encounter and capture rates in turbulent environments. 2014, 4, 85-105	14
557	Potential of Two-Phase Flows DNS to Characterize Interactions between Turbulence and Widely Deformed Interface. 2014, 55-63	
556	Turbulent mixing in a precessing sphere. 2014, 26, 115106	12
555	Simulation study on light propagation in an isotropic turbulence field of the mixed layer. 2014, 22, 7194-209	5
554	Simulation study on light propagation in an anisotropic turbulence field of entrainment zone. 2014, 22, 13427-37	4
553	Cospectral budget of turbulence explains the bulk properties of smooth pipe flow. 2014, 90, 063008	14
552	Influence of the angle between the wind and the isothermal surfaces on the boundary layer structures in turbulent thermal convection. 2014, 89, 033014	18
551	Subfilter scalar-flux vector orientation in homogeneous isotropic turbulence. 2014, 89, 063015	1
550	Direct numerical simulation of turbulent mixing at very low Schmidt number with a uniform mean gradient. 2014, 26, 015107	12
549	Convective stability of turbulent Boussinesq flow in the dissipative range and flow around small particles. 2014, 90, 053002	2
548	Micromixing visualization and quantification in a microscale multi-inlet vortex nanoprecipitation reactor using confocal-based reactive micro laser-induced fluorescence. 2014, 8, 044102	5
547	On velocity and reactive scalar spectra in turbulent premixed flames. <i>Journal of Fluid Mechanics,</i> 2014, 754, 456-487	3-7 47

- 546 Scale-Dependent Dispersion within the Stratified Interior on the Shelf of Northern Monterey Bay. **2014**, 44, 1049-1064 9
- 545 The statistics of a passive scalar in field-guided magnetohydrodynamic turbulence. **2014**, 108, 686-695
- 544 Influence of Microscale Turbulent Droplet Clustering on Radar Cloud Observations. **2014**, 71, 3569-3582 13
- 543 Progress in Turbulence V. **2014**, 2
- 542 A multiple mapping conditioning model for differential diffusion. **2014**, 26, 025107 11
- 541 Thin Shear Layer Structures in High Reynolds Number Turbulence. **2014**, 92, 607-649 17
- 540 Scalar dissipation rate measurements in a starting jet. **2014**, 55, 1 9
- 539 Scaling of heat flux and energy spectrum for very large Prandtl number convection. **2014**, 89, 023006 59
- 538 Lagrangian reconstructions of temperature and velocity in a model of surface ocean turbulence. **2014**, 76, 59-71 9
- 537 The impact of Marangoni convection on fluid dynamics and mass transfer at deformable single rising droplets [A numerical study]. **2014**, 116, 208-222 31
- 536 Turbulent scattering for radars: A summary. **2014**, 107, 1-7 13
- 535 Spinodal decomposition in homogeneous and isotropic turbulence. **2014**, 112, 014502 26
- 534 Breakdown of Kolmogorov's first similarity hypothesis in grid turbulence. **2014**, 15, 596-610 12
- 533 Generalised scale-by-scale energy-budget equations and large-eddy simulations of anisotropic scalar turbulence at various Schmidt numbers. **2014**, 15, 857-882 13
- 532 Similarity scaling of turbulence in a temperate lake during fall cooling. **2014**, 119, 4689-4713 46
- 531 Fiber-coupling efficiency for optical wave propagating through non-Kolmogorov turbulence. **2014**, 331, 291-296 9
- 530 The Impact of Applications on Mathematics. **2014**,
- 529 Hybrid spectral-particle method for the turbulent transport of a passive scalar. **2014**, 260, 127-142 25

528	Finite scale Lyapunov analysis of temperature fluctuations in homogeneous isotropic turbulence. 2014 , 38, 5279-5297		3
527	Dissipation measurements using temperature microstructure from an underwater glider. 2014 , 10, 44-69		27
526	Motion of Passive Scalar by Elasticity-Induced Instability in Curved Microchannel. 2014 , 6, 734175		4
525	The temperature spectrum generated by frictional heating in isotropic turbulence. <i>Journal of Fluid Mechanics</i> , 2014 , 746, 85-98	3-7	3
524	Buoyancy-induced turbulence in a tilted pipe. <i>Journal of Fluid Mechanics</i> , 2015 , 762, 435-477	3-7	4
523	Turbulent diapycnal mixing in stratified shear flows: the influence of Prandtl number on mixing efficiency and transition at high Reynolds number. <i>Journal of Fluid Mechanics</i> , 2015 , 773, 178-223	3-7	42
522	Mixing-scale dependent dispersion for transport in heterogeneous flows. <i>Journal of Fluid Mechanics</i> , 2015 , 777, 178-195	3-7	22
521	Self-similarity of passive scalar flow in grid turbulence with a mean cross-stream gradient. <i>Journal of Fluid Mechanics</i> , 2015 , 780, 215-225	3-7	5
520	Turbulent Mixing Fundamentals. 2015 , 27-41		2
519	Wave-number spectrum of dissipative drift waves and a transition scale. 2015 , 92, 033107		8
518	Hindered Energy Cascade in Highly Helical Isotropic Turbulence. 2015 , 115, 234501		55
517	Compressible turbulent mixing: Effects of Schmidt number. 2015 , 91, 053020		4
516	Temperature variance dissipation equation and its relevance for optical turbulence modeling. 2015 , 32, 2195-200		12
515	Unsteady Reynolds averaged Navier-Stokes simulations of a buoyant plume above a cylinder. 2015 , 168, 35-42		1
514	Along-isopycnal variability of spice in the North Pacific. 2015 , 120, 2287-2307		21
513	Linkage between lateral circulation and near-surface vertical mixing in a coastal plain estuary. 2015 , 120, 4048-4067		12
512	Dissolution patterns and mixing dynamics in unstable reactive flow. 2015 , 42, 6357-6364		39
511	Observational validation of the diffusive convection flux laws in the Amundsen Basin, Arctic Ocean. 2015 , 120, 7880-7896		19

510	Comparison of Subgrid Closure Methods for Passive Scalar Variance at High Schmidt Number. 2015 , 38, 2087-2095	6
509	Assessment of the upper-ocean mixed layer parameterizations using a large eddy simulation model. 2015 , 120, 2350-2369	11
508	Line segments in homogeneous scalar turbulence. 2015 , 27, 095102	9
507	An Element of Determinism in a Stochastic Flagellar Motor Switch. 2015 , 10, e0141654	5
506	Analytical Solutions of the Balance Equation for the Scalar Variance in One-Dimensional Turbulent Flows under Stationary Conditions. 2015 , 2015, 1-13	1
505	Temperature gradient spectra and temperature dissipation rate in a turbulent convective flow. 2015 , 16, 1179-1198	1
504	Investigation of Hill's optical turbulence model by means of direct numerical simulation. 2015 , 32, 2423-30	10
503	Turbulence and finestructure in a deep ocean channel with sill overflow on the mid-Atlantic ridge. 2015 , 99, 10-22	9
502	Fixed-Point Observation of Mixed Layer Evolution in the Seasonally Ice-Free Chukchi Sea: Turbulent Mixing due to Gale Winds and Internal Gravity Waves. 2015 , 45, 836-853	19
501	Submesoscale Water-Mass Spectra in the Sargasso Sea. 2015 , 45, 1325-1338	17
500	Mantle Geochemical Geodynamics. 2015 , 521-585	10
499	Passive scalar convective-diffusive subrange for low Prandtl numbers in isotropic turbulence. 2015 , 91, 011001	4
498	Reaction enhancement of initially distant scalars by Lagrangian coherent structures. 2015 , 27, 035106	11
497	The lamellar description of mixing in porous media. <i>Journal of Fluid Mechanics</i> , 2015 , 770, 458-498	3.7 72
496	Surface wave phase-velocity tomography based on multichannel cross-correlation. 2015 , 201, 1383-1398	60
495	Optical flow for incompressible turbulence motion estimation. 2015 , 56, 1	22
494	Conditional statistics in a planar liquid jet with a second-order chemical reaction. 2015 , 83, 768-780	
493	Sensitivity of the rate of nutrient uptake by chemotactic bacteria to physical and biological parameters in a turbulent environment. 2015 , 387, 120-35	11

492	Fiber coupling efficiency for a Gaussian-beam wave propagating through non-Kolmogorov turbulence. 2015 , 23, 15242-55		12
491	Toward the Dynamical Convergence on the Jet Stream in Aquaplanet AGCMs. 2015 , 28, 6763-6782		35
490	Anomalous spectral laws in differential models of turbulence. 2015 , 48, 285501		17
489	Effect of cooling temperature of electrodes on Joule-heating flow in cubic cavity. 2015 , 82, 165-175		3
488	Fiber coupling efficiency in non-Kolmogorov satellite links. 2015 , 336, 93-97		9
487	A Tale of Two Spicy Seas. 2016 , 29, 50-61		31
486	Reacting Flows and the Interaction between Turbulence and Chemistry. 2016 ,		
485	Quantification of optical turbulence in the ocean and its effects on beam propagation. 2016 , 55, 8813-8820		25
484	Determination of the Micromixing Scale in a Microdevice by Numerical Simulation and Experiments. 2016 , 39, 909-917		5
483	A Lagrangian study of turbulent mixing: forward and backward dispersion of molecular trajectories in isotropic turbulence. <i>Journal of Fluid Mechanics</i> , 2016 , 799, 352-382	3-7	15
482	The effect of Prandtl number on mixing in low Reynolds number Kelvin-Helmholtz billows. 2016 , 28, 054107		8
481	Mixing efficiency in run-down gravity currents. <i>Journal of Fluid Mechanics</i> , 2016 , 809, 691-704	3-7	9
480	Autonomous microstructure EM-APEX floats. 2016 , 17, 282-295		4
479	On the nature of fluctuations in turbulent Rayleigh-Bénard convection at large Prandtl numbers. <i>Journal of Fluid Mechanics</i> , 2016 , 802, 203-244	3-7	10
478	Ocean mixing beneath Pine Island Glacier ice shelf, West Antarctica. 2016 , 121, 8496-8510		15
477	On the frequency dependence and spatial coherence of PKP precursor amplitudes. 2016 , 121, 1873-1889		15
476	Single-Phase Flow Residence-Time Distributions in a Rotor-Stator Spinning Disc Reactor. 2016 , 39, 2435-2443		13
475	Inter-phase heat transfer and energy coupling in turbulent dispersed multiphase flows. 2016 , 28, 033304		29

474	Effect of small roughness elements on thermal statistics of a turbulent boundary layer at moderate Reynolds number. <i>Journal of Fluid Mechanics</i> , 2016 , 787, 84-115	3-7	8
473	Passive scalars in turbulent channel flow at high Reynolds number. <i>Journal of Fluid Mechanics</i> , 2016 , 788, 614-639	3-7	69
472	Internal wave attractors examined using laboratory experiments and 3D numerical simulations. <i>Journal of Fluid Mechanics</i> , 2016 , 793, 109-131	3-7	28
471	Using stratification to mitigate end effects in quasi-Keplerian Taylor-Couette flow. <i>Journal of Fluid Mechanics</i> , 2016 , 791, 608-630	3-7	7
470	Surface water subduction during a downwelling event in a semienclosed bay. 2016 , 121, 7088-7107		11
469	Front structure and dynamics in dense colonies of motile bacteria: Role of active turbulence. 2016 , 94, 022406		5
468	Transition and turbulence in a wall-bounded channel flow at high Mach number. 2016 ,		
467	Critical behavior in the inverse to forward energy transition in two-dimensional magnetohydrodynamic flow. 2016 , 93, 013104		18
466	Clustering of particles in turbulence due to phoresis. 2016 , 93, 063110		8
465	Statistical processing and convergence of finite-record-length time-series measurements from turbulent flows. 2016 , 57, 1		7
464	Velocity and Reactive Scalar Dissipation Spectra in Turbulent Premixed Flames. 2016 , 188, 1424-1439		14
463	Turbulence Estimation Using Fast-Response Thermistors Attached to a Free-Fall Vertical Microstructure Profiler. 2016 , 33, 2065-2078		19
462	On the mixing models for stratified flows subjected to concomitant stable and unstable stratifications. 2016 , 17, 1087-1111		
461	Turbulence attenuation in simultaneously heated and cooled annular flows at supercritical pressure. <i>Journal of Fluid Mechanics</i> , 2016 , 799, 505-540	3-7	36
460	Turbulent 2.5-dimensional dynamos. <i>Journal of Fluid Mechanics</i> , 2016 , 799, 246-264	3-7	4
459	Influence of a strong magnetic field on paramagnetic fluid's flow in cubical enclosure. 2016 , 760, 012011		2
458	Mixed-derivative skewness for high Prandtl and Reynolds numbers in homogeneous isotropic turbulence. 2016 , 28, 081703		4
457	Flow topology and alignments of scalar gradients and vorticity in turbulent spray flames: A Direct Numerical Simulation analysis. 2016 , 184, 922-947		16

456	von Kármán, Howarth and Corrsin equations closure based on Lagrangian description of the fluid motion. 2016 , 368, 296-309		4
455	Polar rotation angle identifies elliptic islands in unsteady dynamical systems. 2016 , 315, 1-12		22
454	Scaling relationships for diffusive boundary layer thickness and diffusive flux based on in situ measurements in coastal seas. 2016 , 144, 1-14		5
453	Microstructure observations in the upper layer of the South China Sea. 2016 , 72, 777-786		5
452	Constraints on the heterogeneity spectrum of Earth's upper mantle. 2016 , 121, 3703-3721		16
451	Characterization of the submesoscale energy cascade in the Alboran Sea thermocline from spectral analysis of high-resolution MCS data. 2016 , 43, 6461-6468		13
450	Numerical investigation of interfacial mass transfer in two phase flows using the VOF method. 2016 , 10, 100-110		19
449	On micro-electrokinetic scalar turbulence in microfluidics at a low Reynolds number. 2016 , 16, 1030-8		24
448	Micro-scale Mixing in Turbulent Constant Density Reacting Flows and Premixed Combustion. 2016 , 96, 547-571		23
447	Enhanced Diapycnal Diffusivity in Intrusive Regions of the Drake Passage. 2016 , 46, 1309-1321		6
446	Open-source CFD model for optimization of forward osmosis and reverse osmosis membrane modules. 2016 , 158, 183-192		24
445	Turbulence. 2016 , 603-697		4
444	Scalar gradients in stirred mixtures and the deconstruction of random fields. <i>Journal of Fluid Mechanics</i> , 2017 , 812, 578-610	3-7	12
443	Transition and turbulence in a wall-bounded channel flow at high Mach number. 2017 ,		
442	Transition and turbulence in a lid-driven cavity flow at high Mach number. 2017 ,		
441	Stretching and mixing in sheared particulate suspensions. <i>Journal of Fluid Mechanics</i> , 2017 , 812, 611-635	3,7	15
440	Phenomenology of two-dimensional stably stratified turbulence under large-scale forcing. 2017 , 18, 219-239		7
439	Transition and turbulence in a wall-bounded channel flow at high Mach number. 2017 ,		

438	Multiple mechanisms generate a universal scaling with dissipation for the air-water gas transfer velocity. 2017 , 44, 1892-1898	16
437	Prandtl number effects in decaying homogeneous isotropic turbulence with a mean scalar gradient. 2017 , 18, 418-442	2
436	Self-similar mixing in stratified plane Couette flow for varying Prandtl number. <i>Journal of Fluid Mechanics</i> , 2017 , 820, 86-120	3-7 30
435	Quantification of combustion regime transitions in premixed turbulent DME flames. 2017 , 182, 248-268	21
434	A Kolmogorov-Brutsaert structure function model for evaporation into a turbulent atmosphere. 2017 , 53, 3635-3644	6
433	Parameterization of mixing by secondary circulation in estuaries. 2017 , 122, 5666-5688	3
432	Marine diatoms change their gene expression profile when exposed to microscale turbulence under nutrient replete conditions. 2017 , 7, 3826	20
431	Mixing under transcritical conditions: An a-priori study using direct numerical simulation. 2017 , 128, 263-278	35
430	Quantitative Evaluation of Passive Scalar Flow Mixing [A] Review of Recent Developments. 2017 , 4, 120-140	3
429	Effect of instantaneous stirring process on mixing between initially distant scalars in turbulent obstacle wakes. 2017 , 58, 1	2
428	Large eddy simulations of a buoyant plume above a heated horizontal cylinder at intermediate Rayleigh numbers. 2017 , 112, 104-117	7
427	Quantifying seismic anisotropy induced by small-scale chemical heterogeneities. 2017 , 211, 1585-1600	10
426	Sustained Simulation Performance 2017. 2017 ,	1
425	Comparison of in situ microstructure measurements to different turbulence closure schemes in a 3-D numerical ocean circulation model. 2017 , 120, 1-17	5
424	Scaling Analysis of Temperature and Liquid Water Content in the Marine Boundary Layer Clouds during POST. 2017 , 74, 4075-4092	4
423	Determining Mixing Rates from Concurrent Temperature and Velocity Measurements. 2017 , 34, 2283-2293	16
422	Concentration fluctuation and ignition characteristics during atmospheric diffusion of hydrogen spouted from high pressure storage. 2017 , 42, 15426-15434	12
421	A dual communicator and dual grid-resolution algorithm for petascale simulations of turbulent mixing at high Schmidt number. 2017 , 219, 313-328	8

420	Theoretical and numerical study of enhanced heat transfer in partitioned thermal convection. 2017 , 115, 556-569	12
419	Passive scalar transport by a non-Gaussian turbulent flow in the Batchelor regime. 2017 , 96, 013117	7
418	Characterisation of elastic turbulence in a serpentine micro-channel. 2017 , 29, 083102	15
417	Characterizing the chaotic nature of ocean ventilation. 2017 , 122, 7577-7594	10
416	Impact of unresolved smaller scales on the scalar dissipation rate in direct numerical simulations of wall bounded flows. 2017 , 68, 173-179	7
415	Passive scalar mixing and decay at finite correlation times in the Batchelor regime. <i>Journal of Fluid Mechanics</i> , 2017 , 824, 785-817	3-7 1
414	Scaling of velocity and scalar structure functions in ac electrokinetic turbulence. 2017 , 95, 023111	7
413	References. 909-935	
412	Frontiers of chaotic advection. 2017 , 89,	106
411	A study of MHD-based chaotic advection to enhance mixing in microfluidics using transient three dimensional CFD simulations. 2017 , 238, 226-238	22
410	Strain distribution on material surfaces during combustion regime transitions. 2017 , 36, 1911-1918	13
409	An Efficient Scheme for Onboard Reduction of Moored Pod Data. 2017 , 34, 2533-2546	8
408	Increased sediment oxygen flux in lakes and reservoirs: The impact of hypolimnetic oxygenation. 2017 , 53, 4876-4890	16
407	Bacteria-induced mixing in natural waters. 2017 , 44, 9424-9432	24
406	Spatial Variation of Diapycnal Diffusivity Estimated From Seismic Imaging of Internal Wave Field, Gulf of Mexico. 2017 , 122, 9827-9854	14
405	Turbulence estimation from simultaneous temperature and velocity shear micro-structure measurements with a free-fall vertical profiler. 2017 ,	0
404	Phoresis in turbulent flows. 2017 , 19, 123030	5
403	Microstructure measurements and finescale parameterization assessment of turbulent mixing in the northern South China Sea. 2018 , 74, 485-498	4

402	GPU acceleration of a petascale application for turbulent mixing at high Schmidt number using OpenMP 4.5. 2018 , 228, 100-114		10
401	Non-uniform ground-level wind patterns in a heat dome over a uniformly heated non-circular city. 2018 , 124, 233-246		22
400	A solvable model of Vlasov-kinetic plasma turbulence in Fourier-Hermite phase space. 2018 , 84,		13
399	Mixing lamellae in a shear flow. <i>Journal of Fluid Mechanics</i> , 2018 , 838,	3.7	8
398	Observing the Oceans in Real Time. 2018 ,		4
397	Evidence for ubiquitous preferential particle orientation in representative oceanic shear flows. 2018 , 63, 122-143		29
396	The diffusive sheet method for scalar mixing. <i>Journal of Fluid Mechanics</i> , 2018 , 837, 230-257	3.7	8
395	Mixing across fluid interfaces compressed by convective flow in porous media. <i>Journal of Fluid Mechanics</i> , 2018 , 838, 105-128	3.7	7
394	Strain, Rotation and Curvature of Non-material Propagating Iso-scalar Surfaces in Homogeneous Turbulence. 2018 , 101, 1-32		13
393	The spontaneous puncture of thick liquid films. <i>Journal of Fluid Mechanics</i> , 2018 , 838, 192-221	3.7	34
392	Evolution of Turbulence in the Diurnal Warm Layer. 2018 , 48, 383-396		24
391	Low-Mach number simulations of transcritical flows. 2018 ,		7
390	Generation and Propagation of Nonlinear Internal Waves in Sheared Currents Over the Washington Continental Shelf. 2018 , 123, 2381-2400		4
389	Pollutant fluxes in two-dimensional street canyons. 2018 , 24, 80-93		29
388	A Shell Model for Optimal Mixing. 2018 , 28, 2153-2186		6
387	Turbulence and Mixing in Flows Dominated by Buoyancy. 2018 , 25-60		0
386	Mixing Efficiency in the Ocean. 2018 , 10, 443-473		149
385	Measuring Ocean Turbulence. 2018 , 99-122		0

384	Motion estimation under location uncertainty for turbulent fluid flows. 2018 , 59, 1	21
383	A critical review on liquid-gas mass transfer models for estimating gaseous emissions from passive liquid surfaces in wastewater treatment plants. 2018 , 130, 388-406	23
382	Misch- und R�rtechnik in chemischen Reaktoren. 2018 , 1-46	
381	High-resolution diapycnal mixing map of the Alboran Sea thermocline from seismic reflection images. 2018 , 14, 403-415	4
380	Diffusion-limited mixing by incompressible flows. 2018 , 31, 2346-2359	12
379	Statistics of Finite Scale Local Lyapunov Exponents in Fully Developed Homogeneous Isotropic Turbulence. 2018 , 2018, 1-12	3
378	Observations of vertical turbulent nitrate flux during summer in the Great Australian Bight. 2018 , 157-158, 27-35	8
377	The role of submesoscale currents in structuring marine ecosystems. 2018 , 9, 4758	110
376	Measuring the Dissipation Rate of Turbulent Kinetic Energy in Strongly Stratified, Low-Energy Environments: A Case Study From the Arctic Ocean. 2018 , 123, 5459-5480	16
375	On biogenic turbulence production and mixing from vertically migrating zooplankton in lakes. 2018 , 80, 1	9
374	Cutting and shuffling with diffusion: Evidence for cut-offs in interval exchange maps. 2018 , 98, 022221	3
373	Consistent modeling of differential molecular diffusion to yield desired Reynolds-number power-law scaling. 2018 , 30, 085108	4
372	Evolution of solute blobs in heterogeneous porous media. <i>Journal of Fluid Mechanics</i> , 2018 , 853, 621-646	13
371	Comparison of Turbulence Intensity from CTD-Attached and Free-Fall Microstructure Profilers. 2018 , 35, 147-162	13
370	Advection and diffusion in a chemically induced compressible flow. <i>Journal of Fluid Mechanics</i> , 2018 , 847, 228-243	3-7 7
369	Power spectrum of refractive-index fluctuations in turbulent ocean and its effect on optical scintillation. 2018 , 26, 10188-10202	26
368	Quantification of External Enthalpy Controlled Combustion at Unity Damk�ler Number. 2018 , 189-215	1
367	Energy spectra and passive tracer cascades in turbulent flows. 2018 , 59, 073104	1

366	Entrainment and mixing in lock-exchange gravity currents using simultaneous velocity-density measurements. 2018 , 30, 056601		22
365	A Structure Function Model Recovers the Many Formulations for Air-Water Gas Transfer Velocity. 2018 , 54, 5905-5920		10
364	Cascades and transitions in turbulent flows. 2018 , 767-769, 1-101		141
363	Quantification of low Damköhler number turbulent premixed flames. 2019 , 37, 2373-2381		6
362	Turbulent shear-layer mixing: initial conditions, and direct-numerical and large-eddy simulations. <i>Journal of Fluid Mechanics</i> , 2019 , 877, 35-81	3-7	8
361	Nonlinear dispersive Alfvén waves interaction in magnetized plasma. 2019 , 31, 082105		4
360	The Spatial Variation of the Maximum Possible Contaminant Concentration From a Steady Line Source. 2019 , 172, 67-80		
359	Electric field induced coil-stretch transition of DNA molecule. 2019 , 288, 110966		
358	Decaying turbulence in a stratified fluid of high Prandtl number. <i>Journal of Fluid Mechanics</i> , 2019 , 874, 821-855	3-7	0
357	Modelling Sub-Grid Passive Scalar Statistics in Moderately Dense Evaporating Sprays. 2019 , 103, 519-535		2
356	Direct numerical simulation and Reynolds-averaged Navier-Stokes modeling of the sudden viscous dissipation for multicomponent turbulence. 2019 , 99, 063103		8
355	Log-Correlated Large-Deviation Statistics Governing Huygens Fronts in Turbulence. 2019 , 176, 456-477		2
354	Scaling and spatial intermittency of thermal dissipation in turbulent convection. 2019 , 31, 075104		8
353	Convection-Diffusion Competition Within Mixed Layers of Stratified Natural Waters. 2019 , 46, 13199-13208		3
352	Direct Numerical Simulation of Transcritical Jets at Moderate Reynolds Number. 2019 , 57, 2254-2263		18
351	Turbulent mixing: A perspective. 2019 , 116, 18175-18183		61
350	Uniform rod-like self-assembly of polymer nanofibrils produced via propylene polymerization on Stober silica nuclei supported metallocene catalysts. 2019 , 19, 80-86		4
349	Suppressed effective viscosity in the bulk intergalactic plasma. 2019 , 3, 832-837		22

348 Preface. **2019**, xvii-xviii

347 Basic Theory and Observations. **2019**, 1-2

346 Introduction. **2019**, 3-19

345 Magnetokinematic Preliminaries. **2019**, 20-58

344 Advection, Distortion and Diffusion. **2019**, 59-98

343 The Magnetic Field of the Earth and Planets. **2019**, 99-120

342 Astrophysical Magnetic Fields. **2019**, 121-142

341 Foundations of Dynamo Theory. **2019**, 143-144

340 Laminar Dynamo Theory. **2019**, 145-184

339 Mean-Field Electrodynamics. **2019**, 185-215

338 Nearly Axisymmetric Dynamos. **2019**, 216-230

337 Solution of the Mean-Field Equations. **2019**, 231-278

336 The Fast Dynamo. **2019**, 279-296

335 Dynamic Aspects of Dynamo Action. **2019**, 297-298

334 Low-Dimensional Models of the Geodynamo. **2019**, 299-314

333 Dynamic Equilibration. **2019**, 315-355

332 The Geodynamo: Instabilities and Bifurcations. **2019**, 356-395

331 Astrophysical dynamic models. **2019**, 396-416

- 330 Helical Turbulence. **2019**, 417-440
- 329 Magnetic Relaxation under Topological Constraints. **2019**, 441-462
- 328 Magnetic Relaxation in a Low- β Plasma. **2019**, 463-481
- 327 Orthogonal Curvilinear Coordinates. **2019**, 482-484
- 326 Author index. **2019**, 511-514
- 325 Subject index. **2019**, 515-520
- 324 High-Performance Computing of Big Data for Turbulence and Combustion. **2019**, 1
- 323 Finite Difference Methods for Incompressible and Compressible Turbulence. **2019**, 55-118
- 322 Relative particle dispersion in two-dimensional and quasi-geostrophic turbulence. **2019**, 529, 121546
- 321 Turbulent transport in reaction-diffusion systems. **2019**, 99, 052220
- 320 Statistical Lyapunov Theory Based on Bifurcation Analysis of Energy Cascade in Isotropic Homogeneous Turbulence: A Physical-Mathematical Review. **2019**, 21, 1
- 319 Propylene Polymerization Catalyzed by Metallocene /Methylaluminoxane Systems on Rice Husk Ash. **2019**, 24, 3
- 318 Small-scale resolving simulations of the turbulent mixing in confined planar jets using one-dimensional turbulence. **2019**, 204, 186-202 7
- 317 A level-set model for mass transfer in bubbly flows. **2019**, 138, 335-356 15
- 316 SST Dynamics at Different Scales: Evaluating the Oceanographic Model Resolution Skill to Represent SST Processes in the Southern Ocean. **2019**, 124, 2546-2570 2
- 315 Multi-particle model of coarse-grained scalar dissipation rate with volumetric tensor in turbulence. **2019**, 389, 128-146 5
- 314 Simulation of Marangoni convection effects on the hydrodynamics of liquid-liquid extraction drops. **2019**, 206, 1628-1644 1
- 313 Structural Reynolds analogy in laminarescent boundary layers via DNS. **2019**, 22, 529-540 2

312	Simultaneous in situ measurements of small-scale structures in neutral, plasma, and atomic oxygen densities during the WADIS sounding rocket project. 2019 , 19, 11443-11460		7
311	Scaling Relations in Elastic Turbulence. 2019 , 123, 234501		19
310	Non-isothermal mixing characteristics in the extreme near-field of a turbulent jet in hot crossflow. 2019 , 31, 125104		4
309	Solenoidal Scaling Laws for Compressible Mixing. 2019 , 123, 224501		5
308	Modeling the equations of state using a flamelet approach in LRE-like conditions. 2019 , 158, 460-469		17
307	Mixing Versus Stirring. 2019 , 51, 245-273		52
306	Mixing and reaction in turbulent plumes: the limits of slow and instantaneous chemical kinetics. <i>Journal of Fluid Mechanics</i> , 2019 , 861, 1-28	3-7	6
305	Effect of temperature on zooplankton vertical migration velocity. 2019 , 829, 143-166		11
304	The role of double diffusion for the heat and salt balance in Lake Kivu. 2019 , 64, 650-660		3
303	A Unified Model Spectrum for Anisotropic Stratified and Isotropic Turbulence in the Ocean and Atmosphere. 2019 , 49, 385-407		11
302	Biologically Generated Mixing in the Ocean. 2019 , 11, 215-226		15
301	Light Propagation in a Turbulent Ocean. 2019 , 64, 1-43		18
300	A CFD hybrid approach to simulate liquid-phase chemical reactors. 2019 , 377, 120365		2
299	On the Littlewood-Baley Spectrum for Passive Scalar Transport Equations. 2020 , 30, 645-656		1
298	Submesoscale Features and Turbulent Mixing of an Oblique Anticyclonic Eddy in the Gulf of Alaska Investigated by Marine Seismic Survey Data. 2020 , 125, e2019JC015393		4
297	Assessing vertical diffusion and cyanobacteria bloom potential in a shallow eutrophic reservoir. 2020 , 36, 169-185		2
296	Analysis of premixed flame kernel/turbulence interactions under engine conditions based on direct numerical simulation data. <i>Journal of Fluid Mechanics</i> , 2020 , 885,	3-7	5
295	Turbulence regulation of <i>Microcystis</i> surface scum formation and dispersion during a cyanobacteria bloom event. 2020 , 10, 51-70		10

294	Effects of Rayleigh-Bénard convection on spectra of viscoplastic fluids. 2020 , 147, 118947		3
293	The Seasonal Cycle of Upper-Ocean Mixing at 8°N in the Bay of Bengal. 2020 , 50, 323-342		6
292	Transport Phenomena in Complex Fluids. 2020 ,		2
291	Evaporation-driven turbulent convection in water pools. <i>Journal of Fluid Mechanics</i> , 2020 , 904,	3.7	4
290	Direct numerical simulations of nanoparticle formation in premixed and non-premixed flame-vortex interactions. 2020 , 32, 093605		6
289	Nutrient-Rich Gravity Current Formed by Upwelling in Barrow Canyon: High-Resolution Observations. 2020 , 125, e2020JC016160		4
288	Cutting Through the Noise: Bacterial Chemotaxis in Marine Microenvironments. 2020 , 7,		5
287	Destratification of thermally stratified turbulent open-channel flow by surface cooling. <i>Journal of Fluid Mechanics</i> , 2020 , 899,	3.7	2
286	The impact of stretching-enhanced mixing and coalescence on reactivity in mixing-limited reactive flows. 2020 , 32, 106602		1
285	Correlation of internal flow structure with heat transfer efficiency in turbulent Rayleigh-Bénard convection. 2020 , 32, 105112		15
284	Prandtl number dependence of stratified turbulence. <i>Journal of Fluid Mechanics</i> , 2020 , 903,	3.7	0
283	Geoinspired soft mixers. <i>Journal of Fluid Mechanics</i> , 2020 , 903,	3.7	2
282	A Breakdown in Potential Vorticity Estimation Delineates the Submesoscale-to-Turbulence Boundary in Large Eddy Simulations. 2020 , 12, e2020MS002049		5
281	Compressibility Effects on the Scalar Dissipation Rate. 2020 , 192, 1320-1333		4
280	von Kármán-Howarth and Corrsin equations closures through Liouville theorem. 2020 , 16, 102979		1
279	Quantification of fuel chemistry effects on burning modes in turbulent premixed flames. 2020 , 218, 134-149		3
278	Wall heat transfer prediction in CH ₄ /O ₂ and H ₂ /O ₂ rocket thrust chambers using a non-adiabatic flamelet model. 2020 , 174, 254-269		7
277	Flamelet-number dependence of small-scale anisotropy of passive scalar fluctuations under a uniform mean gradient in isotropic turbulence. <i>Journal of Fluid Mechanics</i> , 2020 , 898,	3.7	3

276	Turbulent Mixing in a Loop Current Eddy From Glider-Based Microstructure Observations. 2020 , 47, e2020GL088033	3
275	Stationary scaling in small-scale turbulent dynamo problem. 2020 , 101, 063102	3
274	Diffusion layer thickness in turbulent flow. 2020 , 81, 108530	2
273	Mixing of non-Newtonian inelastic fluid in a turbulent patch of T-junction. 2020 , 283, 104307	1
272	Production of metallic iron nanoparticles in a baffled stirred tank reactor: Optimization via computational fluid dynamics simulation. 2020 , 52, 83-96	37
271	Scalar characterisations of three-dimensional shock-flame interactions: similarity and inhomogeneity. 2020 , 21, 84-105	0
270	An Overview of Flow Features and Mixing in Micro T and Arrow Mixers. 2020 , 59, 3669-3686	17
269	Chemical Signaling in the Turbulent Ocean Hide and Seek at the Kolmogorov Scale. 2020 , 5, 54	1
268	Tracer Turbulence: The Batchelor-Huwells-Townsend Spectrum Revisited. 2020 , 22, 1	0
267	Elastic Turbulence: An Experimental View on Inertialess Random Flow. 2021 , 53, 27-58	34
266	Almost-sure enhanced dissipation and uniform-in-diffusivity exponential mixing for advection-diffusion by stochastic Navier-Stokes. 2021 , 179, 777-834	5
265	Additional criteria for MILD coal combustion. 2021 , 38, 4233-4240	2
264	DNS of Microfiber-Induced Drag Reduction Using a Two-Way Coupled Lagrangian Moment Approximation Method. 2021 , 45, 245-254	
263	Revisiting Reynolds and Nusselt numbers in turbulent thermal convection. 2021 , 33, 015113	4
262	Estimate of turbulent energy dissipation rate using free-fall and CTD-attached fast-response thermistors in weak ocean turbulence. 2021 , 77, 17-28	5
261	Estimation of Basin-scale turbulence distribution in the North Pacific Ocean using CTD-attached thermistor measurements. 2021 , 11, 969	5
260	C-FOG: Life of Coastal Fog. 2021 , 102, E244-E272	17
259	Physical invariance in neural networks for subgrid-scale scalar flux modeling. 2021 , 6,	9

258	Variance of Bottom Water Temperature at the Continental Margin of the Northern South China Sea. 2021 , 126, e2020JC015843		0
257	Persistence of bioconvection-induced mixed layers in a stratified lake. 2021 , 66, 1531-1547		2
256	Cohesive Sediment Erosion in a Combined Wave-Current Boundary Layer. 2021 , 126, e2020JC016655		2
255	Turbulence is an Ineffective Mixer when Schmidt Numbers Are Large. 2021 , 126, 074501		2
254	The Turbulent Dynamo. <i>Journal of Fluid Mechanics</i> , 2021 , 912,	3-7	16
253	Influence of Thermal Expansion on Fluid Dynamics of Turbulent Premixed Combustion and Its Modelling Implications. 2021 , 106, 753-848		7
252	Two level simulation of Schmidt number effect on passive scalar transport in wall-bounded turbulent flows. 2021 , 33, 035124		1
251	Large eddy simulation of natural convection heat transfer and fluid flow around a horizontal cylinder. 2021 , 162, 106789		2
250	Stochastic and spectra contents of detonation initiated by compressible turbulent thermodynamic fluctuations. 2021 , 33, 045111		2
249	Qian Jian (1939-2018) and his contribution to small-scale turbulence studies. 2021 , 33, 041301		2
248	Power spectrum of high Schmidt number scalar in a turbulent jet at a moderate Reynolds number. 2021 , 62, 1		0
247	Novel evaluation method to determine the local mixing time distribution in stirred tank reactors. 2021 , 10, 100098		4
246	Extension of the partially integrated transport modeling method to the simulation of passive scalar turbulent fluctuations at various Prandtl numbers. 2021 , 89, 108813		1
245	Turbulence generated small-scale structures as PMWE formation mechanism: Results from a rocket campaign. 2021 , 217, 105559		2
244	Flow structures and heat transport in Taylor-Couette systems with axial temperature gradient. <i>Journal of Fluid Mechanics</i> , 2021 , 920,	3-7	3
243	Thermodynamic Small Scales in Transcritical Turbulent Jets. 2021 , 59, 2328-2332		1
242	Analysis of droplet evaporation in isotropic turbulence through droplet-resolved DNS. 2021 , 172, 121157		10
241	Spatio-temporal correlation functions in scalar turbulence from functional renormalization group. 2021 , 33, 065109		0

240	Timescale-Based Frozen Nonadiabatic Flamelet Combustion Modeling for Rocket Engine Thrust Chambers. 2021 , 37, 495-508	0
239	Direct Numerical Simulation of Turbulent Heat Transfer with Slip and Temperature Jump. 2021 , 35, 580-588	
238	The Geography of Numerical Mixing in a Suite of Global Ocean Models. 2021 , 13, e2020MS002333	5
237	Sounding rocket project BMWELFor investigation of polar mesosphere winter echoes. 2021 , 218, 105596	3
236	A multi-site, year-round turbulence microstructure atlas for the deep perialpine Lake Garda. 2021 , 8, 188	2
235	A differential approximation model for passive scalar turbulence. 2021 , 54, 335701	1
234	Turbulence theories and statistical closure approaches. 2021 , 935, 1-1	10
233	Bacteria hinder large-scale transport and enhance small-scale mixing in time-periodic flows. 2021 , 118,	1
232	Progress and prospects of seismic oceanography. 2021 , 177, 103631	1
231	The Batchelor Spectrum of Passive Scalar Turbulence in Stochastic Fluid Mechanics at Fixed Reynolds Number.	3
230	Non-Classic Atmospheric Optical Turbulence: Review. 2021 , 11, 8487	3
229	The Limit of Vanishing Diffusivity for Passive Scalars in Hamiltonian Flows. 1	
228	The influence of turbulent transport in reactive processes: A combined numerical and experimental investigation in a Taylor-Couette reactor. 2021 , 421, 129591	4
227	Heat transfer augmentation by recombination reactions in turbulent reacting boundary layers at elevated pressures. 2021 , 178, 121628	
226	Direct simulation of two-dimensional Bard flow with free-slip boundary conditions. 2021 , 228, 105040	
225	New technological frontiers in ocean mixing. 2022 , 345-361	1
224	Submesoscale processes and mixing. 2022 , 181-214	2
223	Ocean mixing: oceanography at a watershed. 2022 , 1-4	0

222	Mixing in the Southern Ocean. 2022 , 301-327	2
221	Parametrization of irreversible diapycnal diffusivity in salt-fingering turbulence using DNS. <i>Journal of Fluid Mechanics</i> , 2021 , 911,	3-7 0
220	Scalar fluctuation and its dissipation in turbulent reacting flows. 2021 , 33, 015121	1
219	Flow Imaging.	30
218	Lectures on the statistical thermodynamics of nonequilibrium steady states. 1986 , 3-22	1
217	The Topology of Turbulence. 2001 , 319-340	2
216	The utility of dynamical systems approaches Comment 3. 1990 , 269-291	1
215	Reynolds Number Effects on the Turbulent Mixing of Passive Scalars. 2008 , 85-90	1
214	Magnetostrophic Turbulence and the Geodynamo. 2008 , 339-346	18
213	Short-Time Correlation Approximations for Diffusing Tracers in Random Velocity Fields: A Functional Approach. 1996 , 221-269	6
212	Probability Distributions of Passive Tracers in Randomly Moving Media. 1997 , 359-399	7
211	A Model for Reactions in Turbulent Jets: Effects of Reynolds, Schmidt, and Damköhler Numbers. 1989 , 257-277	4
210	Turbulent Shear Layer Mixing With Fast Chemical Reactions. 1989 , 417-485	7
209	Turbulence, Fractals, and Mixing. 1999 , 59-143	12
208	Turbulent Mixing in Non-Reactive and Reactive Flows: A Review. 1975 , 1-84	2
207	Turbulence under a Magnifying Glass. 1997 , 123-150	2
206	Scalar fluctuation PDFs and kinetics of turbulent mixing. 1999 , 457-465	1
205	Agitation and Fluid Mixing Technology. 2014 , 809-881	2

204	Turbulence in a Fluid Stratified by a High Prandtl-Number Scalar. 2017 , 113-121	0
203	The Lid-Driven Cavity. 2019 , 233-309	22
202	A-priori Analysis of the LMSE Micromixing Model for Filtered-Density Function Simulation in High Schmidt Number Flows. 2009 , 303-314	1
201	Subgrid particle resolution for the turbulent transport of a passive scalar. 2009 , 779-782	4
200	A Numerical Approach for Simulation of Turbulent Mixing and Chemical Reaction at High Schmidt Numbers. 2010 , 305-324	3
199	Turbulence and Scalar. 2011 , 219-230	1
198	Computer Simulation of Decaying Two-Dimensional Turbulence. 1987 , 245-254	1
197	Mixing Mechanisms in Lakes. 1995 , 83-138	133
196	Atmospheric Electricity in the Real World. 1976 , 87-99	5
195	Turbulent Flow, Theoretical Aspects. 1963 , 438-523	11
194	Correlation Functions and Spectra of Reactive Scalars in Turbulent Premixed Flames. 2014 , 133-140	1
193	Topological Classification and Identification of Small-Scale Turbulence Structure. 1996 , 197-270	1
192	Turbulent Mixing and Sediment Processes in Peri-Urban Estuaries in South-East Queensland (Australia). 2014 , 167-183	1
191	Middle Atmospheric Dynamics and Transport: Some Current Challenges to our Understanding. 1990 , 1-18	15
190	Molecular Mixing and Chemical Reactions in Turbulent Shear Flows. 1988 , 269-292	1
189	Thermal characteristics of standing waters: an illustration of dynamic processes. 1985 , 7-29	8
188	The Fluctuation Problem in Turbulent Diffusion. 1973 , 222-248	8
187	Turbulent Mixing in the Ocean. 1998 , 171-190	12

186	Mixing of Weakly and Strongly Diffusive Passive Scalars in Isotropic Turbulence. 1999 , 311-322	1
185	The Topology of Scalar Fields in 2D and 3D Turbulence. 2001 , 13-22	16
184	NEARLY INCOMPRESSIBLE FLUID DYNAMICS. 1992 , 587-594	6
183	Mixing In Turbulent Fields. 1975 , 49-119	8
182	SPECTRA PRESERVATION CAPABILITIES OF GREAT LAKES TRANSPORT MODELS. 1981 , 172-221	4
181	Turbulence. 1990 , 416-473	1
180	TURBULENCE AND NAVIER-STOKES-EQUATIONS. 1994 , 279-303	1
179	Self-Exciting Fluid Dynamos. 2019 ,	36
178	The Turbulent Ocean. 2005 ,	300
177	Convective instabilities. 2005 , 115-143	1
176	Direct numerical simulation of turbulence in a salt-stratified fluid. <i>Journal of Fluid Mechanics</i> , 2020 , 891,	3.7 0
175	Large-scale structures and molecular mixing. 1991 , 3, 1193-1206	79
174	Stationary solution for quasi-homogeneous small-scale magnetic field advected by non-Gaussian turbulent flow. 2020 , 32, 125114	3
173	Fluctuation theorem and extended thermodynamics of turbulence. 2020 , 476, 20200468	0
172	Dense spray evaporation as a mixing process. 2016 , 1,	16
171	Anisotropic spectral modeling for unstably stratified homogeneous turbulence. 2017 , 2,	12
170	Fine structure of the vapor field in evaporating dense sprays. 2017 , 2,	14
169	Scalar mixtures in porous media. 2017 , 2,	8

168	Two-dimensional dynamics of elasto-inertial turbulence and its role in polymer drag reduction. 2018 , 3,	43
167	Topology of two-dimensional turbulent flows of dust and gas. 2018 , 3,	5
166	Inhomogeneous growth of fluctuations of concentration of inertial particles in channel turbulence. 2018 , 3,	1
165	Sensitivity of vortex pairing and mixing to initial perturbations in stratified shear flows. 2019 , 4,	3
164	Fractal iso-level sets in high-Reynolds-number scalar turbulence. 2020 , 5,	4
163	Quantifying the linear damping in two-dimensional turbulence. 2020 , 5,	1
162	Investigation of the Wall Scalar Fluctuations Effect on Passive Scalar Turbulent Fields at Several Prandtl Numbers by Means of Direct Numerical Simulations. 2019 , 141,	3
161	Passive Scalar Diffusion in Two Dimensional Turbulence in the Lagrangian Renormalized Approximation. 1989 , 58, 2365-2379	11
160	Direct Numerical Simulation of Differential Scalar Diffusion in Three-Dimensional Stratified Turbulence. 2003 , 33, 1758-1782	26
159	Estimates of Ocean Macroturbulence: Structure Function and Spectral Slope from Argo Profiling Floats. 2015 , 45, 1773-1793	17
158	How Spice is Stirred in the Bay of Bengal. 2020 , 50, 2669-2688	3
157	Heat Transport through Diurnal Warm Layers. 2020 , 50, 2885-2905	3
156	Experimental and numerical study of underwater beam propagation in a Rayleigh-B̄nard turbulence tank. 2017 , 56, 6065-6072	16
155	Enhanced backscatter in LIDAR systems with retro-reflectors operating through a turbulent ocean. 2018 , 35, 1797-1804	11
154	Oceanic spectrum of unstable stratification turbulence with outer scale and scintillation index of Gaussian-beam wave. 2019 , 27, 7656-7672	23
153	Clustering and diffusion of particles and passive tracer density in random hydrodynamic flows. 2003 , 173, 689	15
152	Potential vorticity mixing by marginally unstable baroclinic disturbances. 1989 , 41, 115-131	4
151	Inverse Source Locating Method Based on Graphical Analysis of Dye Plume Images in a Turbulent Flow. 2016 , 06, 343-360	2

- 150 Quantification of waves in lidar observations of noctilucent clouds at scales from seconds to minutes. 2
- 149 Structure of mass and momentum fields over a model aggregation of benthic filter feeders. 1
- 148 Predator-prey plankton dynamics in turbulent flow past an obstacle. **2021**, 6, 1
- 147 Geometry and dynamics of passive scalar structures in compressible turbulent mixing. **2021**, 33, 105126 0
- 146 ~~XXXXXXXXXXXX~~**2000**, 122, 456-467
- 145 Lagrangian Method for Multiple Correlations in Passive Scalar Advection. **2001**, 153-173
- 144 Turbulence in Polymer Solutions. **2001**, 313-318
- 143 Challenges in Turbulent Mixing with Combustion. **2002**, 95-112
- 142 Turbulence. **2002**, 496-554 1
- 141 Basic Properties of Compressible MHD Turbulence: Implications for Molecular Clouds. **2004**, 29-43
- 140 Bibliography. **2005**, 513-534
- 139 Shallow seas. **2005**, 269-290
- 138 Instability and breaking of internal waves in mid-water. **2005**, 144-171
- 137 Appendices. **2005**, 373-379
- 136 Large-scale waves, eddies and dispersion. **2005**, 340-367
- 135 Instability and transition to turbulence in stratified shear flows. **2005**, 80-114 0
- 134 The upper ocean boundary layer. **2005**, 228-268
- 133 References. **2005**, 380-423

132 Plate section. **2005**,

131 Neutral stability: internal waves. **2005**, 44-79

130 Topographically related turbulence. **2005**, 321-339

129 Fine-structure, transient-structures, and turbulence in the pycnocline. **2005**, 190-212

128 Epilogue. **2005**, 368-372

127 The measurement of turbulence and mixing. **2005**, 172-189

o

126 Preface. **2005**, xi-xiii

125 Structure and résumé **2005**, xiv-xvi

124 Turbulent Diffusion.

2

123 The Birth and Adolescence of MHD Turbulence. **2007**, 213-222

1

122 Advection-diffusion in chaotic flows. **2009**, 149-217

121 Two Point Velocity Difference Scaling along Scalar Gradient Trajectories in Turbulence. **2009**, 45-48

120 On Random Mixing. **2009**, 219-273

119 Atmosphere. **2009**,

118 Development of a DNS-FDF Approach to Inhomogeneous Non-Equilibrium Mixing for High Schmidt Number Flows. **2010**, 149-155

117 Stochastic heterogeneity mapping around a Mediterranean salt lens.

116 Implicit LES of Passive-Scalar Mixing in a Confined Rectangular-Jet Reactor. **2010**, 299-310

115 Numerical Simulations of Thermal Convection at High Prandtl Numbers. **2010**, 389-394

- 114 Implicit Large-Eddy Simulation of Passive-Scalar Mixing in a Confined Rectangular-Jet Reactor. **2010**, 315-320
- 113 Lagrangian Chaos. **2011**, 69-86
- 112 Appendix 5: References. 465-474
- 111 Microstructure observations during the spring 2011 STRATIPHYT-II cruise in the Northeast Atlantic.
- 110 Turbulence. **2014**, 293-322
- 109 Local and Non-local Interactions in the Batchelor Regime of the Passive Scalar. **2014**, 21-24
- 108 Multi-scale Problems, High Performance Computing and Hybrid Numerical Methods. **2014**, 245-255
- 107 Turbulent Mixing in Chemically Reactive Flows. **1975**, 169-220
- 106 Bibliography. **1978**, 144-163
- 105 Direct Simulation of Two-Dimensional Turbulence. **1989**, 171-179
- 104 Introduction to Scalar and Stratified Flows. **1991**, 3-7
- 103 Microscales of hydromagnetic channel flow. **1994**,
- 102 Inverse Cascade and Intermittency of Passive Scalar in 1D Smooth Flow; Inverse Cascade in Multidimensional Compressible Flows. **1998**, 593-594
- 101 Grid-Free Redistribution Methods for Axisymmetric and Anisotropic Diffusion.
- 100 Fluctuations and Mixing of a Passive Scalar in Turbulent Flow. **1999**, 361-383 ○
- 99 Universal and nonuniversal properties of the passive scalar statistics. **1999**, 419-426 ○
- 98 Introduction Why Mixing?. **1999**, 1-8
- 97 Stochastic structure formation in random media. **2016**, 186, 75-104

96	Lake Pavin Mixing: New Insights from High Resolution Continuous Measurements. 2016 , 177-184	1
95	Non-Kolmogorov turbulence. 2017 ,	1
94	Location Uncertainty Principle: Toward the Definition of Parameter-Free Motion Estimators. 2018 , 155-171	
93	Investigation of Flow Behavior of Joule-Heating Flow in a 2-D Model of a Reprocessing Glass Melter Cavity. 2018 , 06, 199-216	0
92	Reynolds-number power-law scaling of differential molecular diffusion in turbulent nonpremixed combustion. 2018 , 3,	
91	Comparison of Lagrangian and Eulerian frames of passive scalar turbulent mixing. 2019 , 4,	3
90	Statistical properties of an incompressible passive vector convected by isotropic turbulence. 2019 , 4,	2
89	Intermittency of an incompressible passive vector convected by isotropic turbulence. 2019 , 4,	1
88	Transport Phenomena in Viscoelastic Fluids. 2020 , 83-166	
87	Scalar power spectra and turbulent scalar length scales of high-Schmidt-number passive scalar fields in turbulent boundary layers. 2020 , 5,	1
86	Effects of smooth divergence-free flows on tracer gradients and spectra: Eulerian prognosis description. 2021 ,	
85	Turbulent Diffusion: Elementary Statistical Theory and Atmospheric Applications. 1973 , 46-81	
84	On development of inhomogenous turbulent scalar transport. 2020 , 155-159	
83	Computing Mass Transfer at Deformable Bubbles for High Schmidt Numbers . 2021 , 93, 81-90	0
82	The Poisson Link between Internal Wave and Dissipation Scales in the Thermocline. Part I: Probability Density Functions and the Poisson Modeling of Vertical Strain. 2020 , 50, 3403-3424	
81	Misch- und R�rtechnik in chemischen Reaktoren. 2020 , 347-392	
80	The Multi-Scale Layering-Structure of Thermal Microscale Profiles. 2021 , 13, 3042	
79	Scale-dependent analysis of in situ observations in the mesoscale to submesoscale range around New Caledonia. 2020 , 16, 907-925	1

- 78 Recent Advances in Turbulent Mixing. **2001**, 327-344
- 77 Vortex tubes, spirals, and large-eddy simulation of turbulence. **2002**, 171-180 0
- 76 5.1.5 The spectra of turbulence. 184-196
- 75 5.1.8 References for 5.1. 208-210
- 74 Deterministic chaos versus random noise: Finite correlation dimension for colored noises with power-law power spectra. **1990**, 260-275
- 73 The Scaling Exponents of Intermittent Passive Scalar Field in Fully Developed Turbulence. **1986**, 55, 3380-3387
- 72 Statistics and Geometry in High-Schmidt Number Scalar Mixing. **2007**, 235-239
- 71 Differential diffusion in double-diffusive stratified turbulence. **2007**, 615-617 1
- 70 Implicit LES of Passive-Scalar Mixing in a Confined Rectangular-Jet Reactor. **2009**, 257-268
- 69 Non-isothermal mixing characteristics in the extreme near-field of turbulent jets in hot crossflow: Effects of jet exit turbulence and velocity profile. **2020**, 32, 115114 5
- 68 No feedback is possible in a small-scale turbulent magnetic field. **2020**, 132, 24001 1
- 67 Spectra of supersaturation and liquid water content in cloud turbulence. **2021**, 6, 0
- 66 Chemical reaction for mixing studies. **2021**, 6, 4
- 65 Security of quantum communications in oceanic turbulence. **2021**, 104, 2
- 64 Comparison of the Reactive Scalar Gradient Evolution between Homogeneous MILD Combustion and Premixed Turbulent Flames. **2021**, 14, 7677 1
- 63 On mixing enhancement by secondary baroclinic vorticity in a shockBubble interaction. *Journal of Fluid Mechanics*, **2022**, 931, 3-7 0
- 62 A Survey of Structure of Atmospheric Turbulence in Atmosphere and Related Turbulent Effects. **2021**, 12, 1608 0
- 61 Characteristics of the wall temperature field in a mixed convection turbulent boundary layer. **2022**, 131, 105864 0

- 60 Liquid and Gaseous Fuel Mixing in Combustion: A Detailed View from Chemical Reaction Processes. **2021**, 439-452
- 59 Three-dimensional turbulence effects on plankton dynamics behind an obstacle. **2022**, 137, 1 1
- 58 Chemical production on a deforming substrate. *Journal of Fluid Mechanics*, **2022**, 934, 3.7 0
- 57 Remarks on anomalous dissipation for passive scalars.. **2022**, 380, 20210099 0
- 56 Advection versus diffusion in Richtmyer-Meshkov mixing. **2022**, 430, 127976
- 55 Assessment of the precision of spectral model turbulence analysis techniques using direct numerical simulation data.
- 54 Neutral air turbulence in the mesosphere and associated polar mesospheric summer echoes (PMSEs).
- 53 Almost-sure exponential mixing of passive scalars by the stochastic Navier-Stokes equations. **2022**, 50, 1
- 52 Phenomena relevant to accidents. **2022**, 117-194
- 51 Effect of viscous-convective subrange on passive scalar statistics at high Reynolds number. **2022**, 7,
- 50 Non-Gaussian Generalization of the Kazantsev-Kraichnan Model for a Turbulent Dynamo. **2022**, 927, 172 2
- 49 Implications of inertial subrange scaling for stably stratified mixing. *Journal of Fluid Mechanics*, **2022**, 939, 3.7 0
- 48 Isolating effects of Darrieus-Landau instability on the morphology and propagation of turbulent premixed flames. *Journal of Fluid Mechanics*, **2022**, 940, 3.7 1
- 47 Intense upper ocean mixing due to large aggregations of spawning fish. 1
- 46 Mutual coherent structures for heat and angular momentum transport in turbulent Taylor-Couette flows. **2022**, 7, 0
- 45 Effects of particle precipitation on the polar mesospheric summer echoes observed by EISCAT VHF 224 MHz radar. **2022**, 69, 3350-3361 1
- 44 Combined Large-Eddy and Direct Numerical Simulations of a Planar Jet with Heated Co-Flow with Medium and Low Prandtl Fluids. **2022**, 191, 122774
- 43 Modelling turbulent heat transfer in rough channels using phenomenological theory. **2021**, 2116, 012025

- 42 Scales and non-dimensional numbers characterizing ocean turbulence and their practical application for estimating eddy diffusivities. **2021**, 30, 255-275
- 41 Enhanced Turbulence in the Upper Mixed Layer Under Light Winds and Heating: Implications for Gas Fluxes. **2021**, 126, 1
- 40 Enhanced diapycnal mixing in the deep ocean around the island of Taiwan.
- 39 Interaction between breaking-induced vortices and near-bed structures. Part 1. Experimental and theoretical investigation. *Journal of Fluid Mechanics*, **2022**, 940, 3-7 0
- 38 A conservative Eulerian-Lagrangian decomposition principle for the solution of multi-scale flow problems at high Schmidt or Prandtl numbers. **2022**, 111216 0
- 37 Arbitrary Order Energy and Enstrophy Conserving Finite Element Methods for 2d Incompressible Fluid Dynamics and Drift-Reduced Magnetohydrodynamics.
- 36 Two-Dimensional Wavenumber Spectra on the Horizontal Submesoscale and Vertical Finescale. **2022**,
- 35 Effects of cylinder cross-sectional geometry and blockage ratio on VIV-based mixing performance in two dimensional laminar channel flow. **2022**, 108987
- 34 New direction and perspectives in elastic instability and turbulence in various viscoelastic flow geometries without inertia. **2022**, 48, 492-507 0
- 33 Jet in Accelerating Turbulent Crossflow with Passive Scalar Transport. **2022**, 15, 4296
- 32 A Priori Direct Numerical Simulation Analysis of the Closure of Cross-Scalar Dissipation Rate of Reaction Progress Variable and Mixture Fraction in Turbulent Stratified Flames.
- 31 High Schmidt-number turbulent advection and giant concentration fluctuations. **2022**, 4, 1
- 30 Intermittency of turbulent velocity and scalar fields using three-dimensional local averaging. **2022**, 7, 0
- 29 Modelling the transport equation of the scalar structure function. **2022**, 946,
- 28 Turbulence in the Outer Heliosphere. **2022**, 218, 1
- 27 Phoresis in cellular flows: from enhanced dispersion to blockage. **2022**, 948, 1
- 26 Potential and Limitations of a Commercial Broadband Echosounder for Remote Observations of Turbulent Mixing. **2022**, 0
- 25 Spatial characteristics and modelling of mixture fraction variance and scalar dissipation rate in steady turbulent round jets. **2022**, 98, 109048 1

24	MHD turbulence: a biased review. 2022 , 88,	1
23	Volumetric evolution of elastic turbulence in porous media. 2022 , 950,	2
22	Elasto-Inertial Turbulence. 2023 , 55,	1
21	The diffuselet concept for scalar mixing. 2022 , 951,	0
20	Depth dependence of power spectrum in underwater turbulence.	0
19	Chaotic mixing of yield stress materials. 2023 , 5, 100107	0
18	Bubbles spray aerosols: Certitudes and mysteries. 2022 , 1,	0
17	Effects of vortex formation and interaction on turbulent mass transfer over a two-dimensional wavy wall. 2022 , 7,	0
16	The Batchelor-Howells-Townsend spectrum: Three-dimensional case. 2022 , 133615	0
15	Stochastic model for the alignment and tumbling of rigid fibers in two-dimensional turbulent shear flow. 2022 , 7,	0
14	Bounds on the Rate of Enhanced Dissipation.	0
13	Widespread Intensified Pycnocline Turbulence in the Summer Stratified Yellow Sea. 2023 , 128,	0
12	Regimes of optical propagation through turbulence: theory and direct numerical simulations. 1-35	0
11	Coaxial jets with disparate viscosity: mixing and laminarization characteristics. 2023 , 955,	0
10	Turbulent kinetic energy dissipation rate and associated fluxes in the western tropical Atlantic estimated from ocean glider observations. 2023 , 19, 77-92	0
9	Predictability of passive scalar dispersion in atmospheric surface layers with urban-like roughness: A large-eddy simulations study.	0
8	Flame structure and broadening in turbulent premixed jet flames. 2023 , 251, 112676	0
7	Unveiling the spectrum of electrohydrodynamic turbulence in dust storms. 2023 , 14,	0

- 6 A non-local spectral transfer model and new scaling law for scalar turbulence. **2023**, 956, ○
- 5 Scaling in Rayleigh-Bénard convection. **2023**, 956, ○
- 4 Direct numerical simulation of one-sided forced thermal convection in plane channels. **2023**, 957, ○
- 3 The Degeneracy of Nonlinearity in a Turbulent System. **2022**, 67, 278-281 ○
- 2 Wall-sheared thermal convection: heat transfer enhancement and turbulence relaminarization. **2023**, 960, ○
- 1 Spectral Similarity Between Small Scale Turbulent Temperature and Velocity Fluctuations. **2023**, ○