

François G Schmitt

List of Publications by Year in descending order

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133
papers

3,472
citations

159585

30
h-index

168389

53
g-index

147
all docs

147
docs citations

147
times ranked

2701
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Morphological traits, niche-environment interaction and temporal changes in diatoms. Progress in Oceanography, 2022, 201, 102747. | 3.2 | 10 |
| 2 | Copepod swimming activity and turbulence intensity: study in the Agiturb turbulence generator system. European Physical Journal Plus, 2022, 137, 1. | 2.6 | 1 |
| 3 | Reactive scalars in incompressible turbulence with strongly out of equilibrium chemistry. Journal of Fluid Mechanics, 2022, 938, . | 3.4 | 0 |
| 4 | An algorithm for the direct estimation of the parameters of the SIR epidemic model from the I(t) dynamics. European Physical Journal Plus, 2022, 137, 57. | 2.6 | 3 |
| 5 | Description of turbulent dynamics in the interstellar medium: multifractal-microcanonical analysis. Astronomy and Astrophysics, 2021, 649, A33. | 5.1 | 7 |
| 6 | Impact of the Nocturnal Low-Level Jet and Orographic Waves on Turbulent Motions and Energy Fluxes in the Lower Atmospheric Boundary Layer. Boundary-Layer Meteorology, 2021, 180, 527-542. | 2.3 | 7 |
| 7 | The Effects of Tidal Translation on Wave and Current Dynamics on a Barred Macrotidal Beach, Northern France. Journal of Marine Science and Engineering, 2021, 9, 909. | 2.6 | 2 |
| 8 | Scaling Analysis of the China France Oceanography Satellite Along-Track Wind and Wave Data. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC017119. | 2.6 | 3 |
| 9 | Scaling properties of the turbidity and streamflow time series at two different locations of an intra-Apennine stream: Case study. Journal of Hydrology, 2021, 603, 126943. | 5.4 | 1 |
| 10 | A quadratic Reynolds stress development for the turbulent Kolmogorov flow. Physics of Fluids, 2021, 33, . | 4.0 | 2 |
| 11 | Impact of turbulence on power production by a free-stream tidal turbine in real sea conditions. Renewable Energy, 2020, 147, 1932-1940. | 8.9 | 29 |
| 12 | Benefits of machine learning and sampling frequency on phytoplankton bloom forecasts in coastal areas. Ecological Informatics, 2020, 60, 101174. | 5.2 | 14 |
| 13 | Impact of Sea Breeze Dynamics on Atmospheric Pollutants and Their Toxicity in Industrial and Urban Coastal Environments. Remote Sensing, 2020, 12, 648. | 4.0 | 20 |
| 14 | Phytoplankton distribution from Western to Central English Channel, revealed by automated flow cytometry during the summer-fall transition. Continental Shelf Research, 2020, 195, 104056. | 1.8 | 5 |
| 15 | Fluctuations and correlations of reactive scalars near chemical equilibrium in incompressible turbulence. Physical Review Fluids, 2020, 5, . | 2.5 | 1 |
| 16 | Climate Change and Risk Perceptions in Two French Coastal Communities. Journal of Coastal Research, 2020, 95, 875. | 0.3 | 4 |
| 17 | Small-Scale Prediction of Wind Energy in a Scale Invariant Framework. Springer Proceedings in Physics, 2019, , 297-303. | 0.2 | 0 |
| 18 | Nonlinear dynamics of the sea level time series in the eastern English Channel. Natural Hazards, 2018, 91, 267-285. | 3.4 | 9 |

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|----|--|-----|-----------|
| 19 | Propelled microprobes in turbulence. <i>Physical Review Fluids</i> , 2018, 3, . | 2.5 | 9 |
| 20 | Investigation of Turbulence Behaviour in the Stable Boundary Layer Using Arbitrary-Order Hilbert Spectra. <i>Boundary-Layer Meteorology</i> , 2017, 163, 311-326. | 2.3 | 22 |
| 21 | Turbulence analysis and multiscale correlations between synchronized flow velocity and marine turbine power production. <i>Renewable Energy</i> , 2017, 112, 314-327. | 8.9 | 32 |
| 22 | Turbulence from 1870 to 1920: The birth of a noun and of a concept. <i>Comptes Rendus - Mecanique</i> , 2017, 345, 620-626. | 2.1 | 5 |
| 23 | Rapid light curves (RLC) or non-sequential steady-state light curves (N-SSLC): which fluorescence-based light response curve methodology robustly characterizes phytoplankton photosynthetic activity and acclimation status?. <i>Marine Biology</i> , 2017, 164, 1. | 1.5 | 12 |
| 24 | Extremal-point density of scaling processes: From fractional Brownian motion to turbulence in one dimension. <i>Physical Review E</i> , 2017, 96, 012215. | 2.1 | 2 |
| 25 | Copepods encounter rates from a model of escape jump behaviour in turbulence. <i>Journal of Plankton Research</i> , 2017, 39, 878-890. | 1.8 | 11 |
| 26 | $\frac{5}{3}$ Kolmogorov Turbulent Behaviour and Intermittent Sustainable Energies. , 2016, , . | | 1 |
| 27 | Lagrangian model of copepod dynamics: Clustering by escape jumps in turbulence. <i>Physical Review E</i> , 2016, 93, 043117. | 2.1 | 9 |
| 28 | Multifractal anisotropic swimming: the optimal foraging behaviour of grouper larvae. <i>Journal of Fish Biology</i> , 2016, 88, 1835-1846. | 1.6 | 0 |
| 29 | Correlation between long-term marine temperature time series from the eastern and western English Channel: Scaling analysis using empirical mode decomposition. <i>Comptes Rendus - Geoscience</i> , 2016, 348, 343-349. | 1.2 | 15 |
| 30 | The Analyses of Turbulence Characteristics in the Atmospheric Surface Layer Using Arbitrary-Order Hilbert Spectra. <i>Boundary-Layer Meteorology</i> , 2016, 159, 391-406. | 2.3 | 16 |
| 31 | Study of Local Correlations of the Simultaneous wind Speed-irradiance Measurements Using the Time Dependent Intrinsic Correlation Method. <i>Journal of Applied Nonlinear Dynamics</i> , 2016, 5, 373-390. | 0.3 | 6 |
| 32 | Analysis and simulations of multifractal random walks. , 2015, , . | | 1 |
| 33 | Taylor Law in Wind Energy Data. <i>Resources</i> , 2015, 4, 787-795. | 3.5 | 6 |
| 34 | Scaling Analysis of Ocean Surface Turbulent Heterogeneities from Satellite Remote Sensing: Use of 2D Structure Functions. <i>PLoS ONE</i> , 2015, 10, e0126975. | 2.5 | 11 |
| 35 | Intermittent particle dynamics in marine coastal waters. <i>Nonlinear Processes in Geophysics</i> , 2015, 22, 633-643. | 1.3 | 3 |
| 36 | Characterization of intermittency in zooplankton behaviour in turbulence. <i>European Physical Journal E</i> , 2015, 38, 108. | 1.6 | 10 |

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|----|---|-----|-----------|
| 37 | Multiscale Analysis of Wind Velocity, Power Output and Rotation of a Windmill. Energy Procedia, 2015, 76, 193-199. | 1.8 | 12 |
| 38 | Long-term high frequency phytoplankton dynamics, recorded from a coastal water autonomous measurement system in the eastern English Channel. Continental Shelf Research, 2015, 109, 210-221. | 1.8 | 10 |
| 39 | Phytoplankton photosynthetic activity dynamics in a temperate macrotidal ecosystem (the Strait of Tj ETQq1 1 0.784314 rgBT /Over Marine Systems, 2015, 147, 61-75. | 2.1 | 6 |
| 40 | Multiscale and joint multiscale description of the atmospheric wind speed and the aggregate power output from a wind farm. Nonlinear Processes in Geophysics, 2014, 21, 379-392. | 1.3 | 55 |
| 41 | Continuous multifractal models with zero values: a continuous η -multifractal model. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P02008. | 2.3 | 7 |
| 42 | Pseudodiaptomus marinus Sato, 1913, a new invasive copepod in Lake Faro (Sicily): observations on the swimming behaviour and the sex-dependent responses to food. Zoological Studies, 2014, 53, . | 0.3 | 24 |
| 43 | Time dependent intrinsic correlation analysis of temperature and dissolved oxygen time series using empirical mode decomposition. Journal of Marine Systems, 2014, 130, 90-100. | 2.1 | 79 |
| 44 | High frequency variability of particle size distribution and its dependency on turbulence over the sea bottom during re-suspension processes. Continental Shelf Research, 2014, 77, 51-60. | 1.8 | 21 |
| 45 | Two-scale correlation and energy cascade in three-dimensional turbulent flows. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P05002. | 2.3 | 2 |
| 46 | Lagrangian cascade in three-dimensional homogeneous and isotropic turbulence. Journal of Fluid Mechanics, 2014, 741, . | 3.4 | 8 |
| 47 | The Scaling Properties of the Turbulent Wind Using Empirical Mode Decomposition and Arbitrary Order Hilbert Spectral Analysis. Research Topics in Wind Energy, 2014, , 43-49. | 0.2 | 3 |
| 48 | Short-term variability and control of phytoplankton photosynthetic activity in a macrotidal ecosystem (the Strait of Dover, eastern English Channel). Marine Biology, 2013, 160, 1661-1679. | 1.5 | 7 |
| 49 | Differences in feeding activity between females and males of <i>Temora longicornis</i> . Ecological Research, 2013, 28, 459-467. | 1.5 | 6 |
| 50 | Intermittency study of high frequency global solar radiation sequences under a tropical climate. Solar Energy, 2013, 98, 349-365. | 6.1 | 38 |
| 51 | Multifractal description of wind power fluctuations using arbitrary order Hilbert spectral analysis. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 4106-4120. | 2.6 | 47 |
| 52 | Spatio-temporal variability of phytoplankton photosynthetic activity in a macrotidal ecosystem (the Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 2.1 | 12 |
| 53 | Variability of turbulent quantities in the tidal bottom boundary layer: Case study in the eastern English Channel. Continental Shelf Research, 2013, 58, 21-31. | 1.8 | 24 |
| 54 | Fluctuations of satellite-derived chlorophyll concentrations and optical indices at the Southern Yellow Sea. Aquatic Ecosystem Health and Management, 2012, 15, 168-175. | 0.6 | 7 |

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|----|---|-----|-----------|
| 55 | Spectral fluorometric characterization of Haptophyte dynamics using the FluoroProbe: an application in the eastern English Channel for monitoring <i>Phaeocystis globosa</i> . <i>Journal of Plankton Research</i> , 2012, 34, 136-151. | 1.8 | 34 |
| 56 | Modeling of atmospheric wind speed sequence using a lognormal continuous stochastic equation. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2012, 109, 1-8. | 3.9 | 66 |
| 57 | Effect of temperature on <i>Temora longicornis</i> swimming behaviour: illustration of seasonal effects in a temperate ecosystem. <i>Aquatic Biology</i> , 2012, 16, 149-162. | 1.4 | 24 |
| 58 | Statistical analysis of polychaete population density: dynamics of dominant species and scaling properties in relative abundance fluctuations. <i>Nonlinear Processes in Geophysics</i> , 2012, 19, 45-52. | 1.3 | 4 |
| 59 | Effect of variable winds on current structure and Reynolds stresses in a tidal flow: analysis of experimental data in the eastern English Channel. <i>Ocean Science</i> , 2012, 8, 1025-1040. | 3.4 | 18 |
| 60 | Turbulence effects on the feeding dynamics in European sea bass (<i>Dicentrarchus labrax</i>) larvae. <i>Journal of Experimental Marine Biology and Ecology</i> , 2012, 416-417, 61-67. | 1.5 | 10 |
| 61 | Changes in the swimming behavior of <i>Eurytemora affinis</i> (Copepoda, Calanoida) in response to a sub-lethal exposure to nonylphenols. <i>Aquatic Toxicology</i> , 2011, 102, 228-231. | 4.0 | 40 |
| 62 | Scaling properties of pH fluctuations in coastal waters of the English Channel: pH as a turbulent active scalar. <i>Nonlinear Processes in Geophysics</i> , 2011, 18, 829-839. | 1.3 | 12 |
| 63 | Turbulence modeling based on non-Newtonian constitutive laws. <i>Journal of Physics: Conference Series</i> , 2011, 318, 042030. | 0.4 | 0 |
| 64 | Modeling turbulent-bounded flow using non-Newtonian viscometric functions. <i>Journal of Turbulence</i> , 2011, 12, N15. | 1.4 | 3 |
| 65 | Application of Arbitrary-Order Hilbert Spectral Analysis to Passive Scalar Turbulence. <i>Journal of Physics: Conference Series</i> , 2011, 318, 042003. | 0.4 | 3 |
| 66 | Mating and mate choice in <i>Pseudodiaptomus annandalei</i> (Copepoda: Calanoida). <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 402, 1-11. | 1.5 | 25 |
| 67 | Anisotropy and shift of search behavior in Malabar grouper (<i>Epinephelus malabaricus</i>) larvae in response to prey availability. <i>Hydrobiologia</i> , 2011, 666, 215-222. | 2.0 | 11 |
| 68 | Effects of animal density, volume, and the use of 2D/3D recording on behavioral studies of copepods. <i>Hydrobiologia</i> , 2011, 666, 197-214. | 2.0 | 26 |
| 69 | Direct evidence of tidally oriented behavior of the copepod <i>Eurytemora affinis</i> in the Seine estuary. <i>Ecological Research</i> , 2011, 26, 773-780. | 1.5 | 27 |
| 70 | Mating behaviour of <i>Pseudodiaptomus annandalei</i> (Copepoda, Calanoida) at calm and hydrodynamically disturbed waters. <i>Marine Biology</i> , 2011, 158, 1085-1094. | 1.5 | 17 |
| 71 | A discrete log-normal process to sequentially generate a multifractal time series. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P12013. | 2.3 | 6 |
| 72 | Arbitrary-order Hilbert spectral analysis for time series possessing scaling statistics: Comparison study with detrended fluctuation analysis and wavelet leaders. <i>Physical Review E</i> , 2011, 84, 016208. | 2.1 | 84 |

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|----|---|-----|-----------|
| 73 | Multifractal analysis of the dollar–yuan and euro–yuan exchange rates before and after the reform of the peg. <i>Quantitative Finance</i> , 2011, 11, 505-513. | 1.7 | 30 |
| 74 | Regional patterns of continental shelf polychaete diversity: examples for the North Sea, English Channel, Irish Sea and Outer Bristol Channel areas. <i>Italian Journal of Zoology</i> , 2011, 78, 324-332. | 0.6 | 8 |
| 75 | STATISTICAL STUDY OF BIVALVE HIGH FREQUENCY MICROCLOSING BEHAVIOR: SCALING PROPERTIES AND SHOT NOISE ANALYSIS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011, 21, 3565-3576. | 1.7 | 13 |
| 76 | Swimming kinematics of <i>Eurytemora affinis</i> (Copepoda, Calanoida) reproductive stages and differential vulnerability to predation of larval <i>Dicentrarchus labrax</i> (Teleostei, Perciformes). <i>Journal of Plankton Research</i> , 2011, 33, 1095-1103. | 1.8 | 29 |
| 77 | Scaling of maximum probability density functions of velocity and temperature increments in turbulent systems. <i>Physics of Fluids</i> , 2011, 23, . | 4.0 | 7 |
| 78 | Predation of <i>Pseudodiaptomus annandalei</i> (Copepoda: Calanoida) by the grouper fish fry <i>Epinephelus coioides</i> under different hydrodynamic conditions. <i>Journal of Experimental Marine Biology and Ecology</i> , 2010, 393, 17-22. | 1.5 | 34 |
| 79 | Use of Lagrangian statistics for the analysis of the scale separation hypothesis in turbulent channel flow. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 3319-3327. | 2.1 | 3 |
| 80 | Differences in behavioral responses of <i>Eurytemora affinis</i> (Copepoda, Calanoida) reproductive stages to salinity variations. <i>Journal of Plankton Research</i> , 2010, 32, 805-813. | 1.8 | 39 |
| 81 | How does salinity influence the swimming speed of the estuarine calanoid copepod <i>Eurytemora affinis</i> ? Reply. <i>Journal of Plankton Research</i> , 2010, 32, 1227-1229. | 1.8 | 12 |
| 82 | The different aspects in motion of the three reproductive stages of <i>Pseudodiaptomus annandalei</i> (Copepoda, Calanoida). <i>Journal of Plankton Research</i> , 2010, 32, 423-440. | 1.8 | 27 |
| 83 | Second-order structure function in fully developed turbulence. <i>Physical Review E</i> , 2010, 82, 026319. | 2.1 | 55 |
| 84 | Use of Lagrangian Statistics for the Direct Analysis of the Turbulent Constitutive Equation. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2010, , 319-325. | 0.3 | 0 |
| 85 | Analysis of daily river flow fluctuations using empirical mode decomposition and arbitrary order Hilbert spectral analysis. <i>Journal of Hydrology</i> , 2009, 373, 103-111. | 5.4 | 118 |
| 86 | Symbolic dynamics and entropies of copepod behaviour under non-turbulent and turbulent conditions. <i>Journal of Marine Systems</i> , 2009, 77, 388-396. | 2.1 | 14 |
| 87 | Analysis of velocity fluctuations and their intermittency properties in the surf zone using empirical mode decomposition. <i>Journal of Marine Systems</i> , 2009, 77, 473-481. | 2.1 | 46 |
| 88 | An individual-based model to study the reproduction of egg bearing copepods: Application to <i>Eurytemora affinis</i> (Copepoda Calanoida) from the Seine estuary, France. <i>Ecological Modelling</i> , 2009, 220, 1073-1089. | 2.5 | 27 |
| 89 | Autocorrelation function of velocity increments time series in fully developed turbulence. <i>Europhysics Letters</i> , 2009, 86, 40010. | 2.0 | 11 |
| 90 | EMPIRICAL MODE DECOMPOSITION OF DAILY RIVER FLUCTUATIONS. , 2009, , . | | 0 |

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|-----|--|-----|-----------|
| 91 | Statistical properties of turbidity, oxygen and pH fluctuations in the Seine river estuary (France). <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 6613-6623. | 2.6 | 21 |
| 92 | Nonlinear dynamics and intermittency in a long-term copepod time series. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2008, 13, 407-415. | 3.3 | 9 |
| 93 | Intermittent turbulence and copepod dynamics: Increase in encounter rates through preferential concentration. <i>Journal of Marine Systems</i> , 2008, 70, 263-272. | 2.1 | 31 |
| 94 | An amplitude-frequency study of turbulent scaling intermittency using Empirical Mode Decomposition and Hilbert Spectral Analysis. <i>Europhysics Letters</i> , 2008, 84, 40010. | 2.0 | 123 |
| 95 | Development and Environmental Conflicts in China. <i>China Perspectives</i> , 2008, 2008, 94-102. | 0.6 | 5 |
| 96 | Direct test of a nonlinear constitutive equation for simple turbulent shear flows using DNS data. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2007, 12, 1251-1264. | 3.3 | 17 |
| 97 | About Boussinesq's turbulent viscosity hypothesis: historical remarks and a direct evaluation of its validity. <i>Comptes Rendus - Mecanique</i> , 2007, 335, 617-627. | 2.1 | 255 |
| 98 | On causal stochastic equations for log-stable multiplicative cascades. <i>European Physical Journal B</i> , 2007, 58, 149-158. | 1.5 | 11 |
| 99 | Analysis of high frequency temperature time series in the Seine estuary from the Marel autonomous monitoring buoy. <i>Hydrobiologia</i> , 2007, 588, 59-68. | 2.0 | 20 |
| 100 | Analysis of Nonlinear Biophysical Time Series in Aquatic Environments: Scaling Properties and Empirical Mode Decomposition. , 2007, , 261-280. | | 1 |
| 101 | Gusts in Intermittent Wind Turbulence and the Dynamics of their Recurrent Times. , 2007, , 73-79. | | 4 |
| 102 | Lagrangian passive scalar intermittency in marine waters: theory and data analysis. , 2007, , 129-138. | | 0 |
| 103 | Eulerian and Lagrangian Structure Function's Scaling Exponents in Turbulent Channel Flow. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2006, 61, 624-628. | 1.5 | 2 |
| 104 | Scaling of swimming sequences in copepod behavior: Data analysis and simulation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 364, 287-296. | 2.6 | 30 |
| 105 | Linking Eulerian and Lagrangian structure functions's scaling exponents in turbulence. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 368, 377-386. | 2.6 | 17 |
| 106 | A 5-year study of the influence of the northeast and southwest monsoons on copepod assemblages in the boundary coastal waters between the East China Sea and the Taiwan Strait. <i>Journal of Plankton Research</i> , 2006, 28, 943-958. | 1.8 | 81 |
| 107 | Experimental analysis of cumulants scaling properties in fully developed intermittent turbulence. , 2006, , . | | 0 |
| 108 | Explicit predictability and dispersion scaling exponents in fully developed turbulence. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 342, 448-458. | 2.1 | 14 |

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|-----|--|-----|-----------|
| 109 | Relating Lagrangian passive scalar scaling exponents to Eulerian scaling exponents in turbulence. <i>European Physical Journal B</i> , 2005, 48, 129-137. | 1.5 | 12 |
| 110 | Describing space-time patterns in aquatic ecology using IBMs and scaling and multi-scaling approaches. <i>Nonlinear Analysis: Real World Applications</i> , 2005, 6, 705-730. | 1.7 | 16 |
| 111 | Multiscaling statistical procedures for the exploration of biophysical couplings in intermittent turbulence. Part II. Applications. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2005, 52, 1325-1343. | 1.4 | 16 |
| 112 | Multiscaling statistical procedures for the exploration of biophysical couplings in intermittent turbulence. Part I. Theory. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2005, 52, 1308-1324. | 1.4 | 22 |
| 113 | Eulerian and Lagrangian properties of biophysical intermittency in the ocean. <i>Geophysical Research Letters</i> , 2004, 31, . | 4.0 | 20 |
| 114 | Individual variability in the swimming behavior of the sub-tropical copepod <i>Oncaea venusta</i> (Copepoda: Tj ETQq0 0,0 rgBT /Overlock 10 | 1.9 | 48 |
| 115 | A causal multifractal stochastic equation and its statistical properties. <i>European Physical Journal B</i> , 2003, 34, 85-98. | 1.5 | 48 |
| 116 | Direct investigation of the K-transport equation for a complex turbulent flow. <i>Journal of Turbulence</i> , 2003, 4, . | 1.4 | 5 |
| 117 | SCALING OF RETURN TIMES FOR A HIGH-RESOLUTION RAINFALL TIME SERIES. <i>Fractals</i> , 2002, 10, 285-290. | 3.7 | 12 |
| 118 | Turbulence intermittency, small-scale phytoplankton patchiness and encounter rates in plankton: where do we go from here?. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2001, 48, 1199-1215. | 1.4 | 58 |
| 119 | LDV Measurements of the Flow Field in the Nozzle Region of a Confined Double Annular Burner. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2001, 123, 228-236. | 1.5 | 8 |
| 120 | Multifractal random walk in copepod behavior. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 301, 375-396. | 2.6 | 87 |
| 121 | Experimental Study of the Constitutive Equation for an Axisymmetric Complex Turbulent Flow. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2000, 80, 815-825. | 1.6 | 13 |
| 122 | MULTIFRACTAL FLUCTUATIONS IN FINANCE. <i>International Journal of Theoretical and Applied Finance</i> , 2000, 03, 361-364. | 0.5 | 55 |
| 123 | Universal multifractal analysis as a tool to characterize multiscale intermittent patterns: example of phytoplankton distribution in turbulent coastal waters. <i>Journal of Plankton Research</i> , 1999, 21, 877-822. | 1.8 | 136 |
| 124 | Copepod diffusion within multifractal phytoplankton fields. <i>Journal of Marine Systems</i> , 1998, 16, 69-83. | 2.1 | 21 |
| 125 | Multifractal analysis of phytoplankton biomass and temperature in the ocean. <i>Geophysical Research Letters</i> , 1996, 23, 3591-3594. | 4.0 | 73 |
| 126 | Multifractal intermittency of Eulerian and Lagrangian turbulence of ocean temperature and plankton fields. <i>Nonlinear Processes in Geophysics</i> , 1996, 3, 236-246. | 1.3 | 60 |

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|-----|---|-----|-----------|
| 127 | Multifractal temperature and flux of temperature variance in fully developed turbulence. Europhysics Letters, 1996, 34, 195-200. | 2.0 | 65 |
| 128 | Scaling invariance of crack surfaces. Journal of Geophysical Research, 1995, 100, 5953-5973. | 3.3 | 222 |
| 129 | Multifractal analysis of the Greenland Ice Core Project climate data. Geophysical Research Letters, 1995, 22, 1689-1692. | 4.0 | 79 |
| 130 | Multifractal phase transitions: the origin of self-organized criticality in earthquakes. Nonlinear Processes in Geophysics, 1994, 1, 191-197. | 1.3 | 22 |
| 131 | Empirical study of multifractal phase transitions in atmospheric turbulence. Nonlinear Processes in Geophysics, 1994, 1, 95-104. | 1.3 | 49 |
| 132 | ESTIMATION OF UNIVERSAL FOR ATMOSPHERIC TURBULENT MULTIFRACTAL INDICES VELOCITY FIELDS. Fractals, 1993, 01, 568-575. | 3.7 | 28 |
| 133 | Empirical determination of universal multifractal exponents in turbulent velocity fields. Physical Review Letters, 1992, 68, 305-308. | 7.8 | 81 |