## CITATION REPORT List of articles citing

Intermittent turbulence in self-similar cascades: divergence of high moments and dimension of the carrier

DOI: 10.1017/s0022112074000711 Journal of Fluid Mechanics, 1974, 62, 331-358.

**Source:** https://exaly.com/paper-pdf/11921352/citation-report.pdf

Version: 2024-04-09

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
1550	ELECTROMAGNETIC DETERMINATION OF REGIONAL BLOOD FLOW IN UNANESTHETIZED ANIMALS. <b>1957</b> , 43, 527-40		12
1549	Onset of dissipation at zero viscosity in turbulent flows. <b>1975</b> , 172-175		
1548	Scaling theory of hydrodynamic turbulence. <i>Physical Review A</i> , <b>1975</b> , 11, 1737-1743	2.6	28
1547	On the geometry of homogeneous turbulence, with stress on the fractal dimension of the iso-surfaces of scalars. <i>Journal of Fluid Mechanics</i> , <b>1975</b> , 72, 401	3.7	194
1546	Drag reduction in turbulent flow due to additives: a report on Euromech 52. <i>Journal of Fluid Mechanics</i> , <b>1975</b> , 68, 129	3.7	14
1545	. <b>1975</b> , 19, 425-428		
1544	Sur certaines martingales de Benoit Mandelbrot. <b>1976</b> , 22, 131-145		335
1543	Intermittent turbulence and fractal dimension: Kurtosis and the spectral exponent 5/3+B. <b>1976</b> , 121-14	15	50
1542	A simple dynamical model of intermittent fully developed turbulence. <i>Journal of Fluid Mechanics</i> , <b>1978</b> , 87, 719	3.7	845
1541	Fully developed turbulence and statistical mechanics. <b>1978</b> , 39, 441-484		230
1540	Magnetohydrodynamic flows and turbulence: a report on the Second Bat-Sheva Seminar. <i>Journal of Fluid Mechanics</i> , <b>1979</b> , 91, 563-580	3.7	4
1539	Small-scale intermittency of turbulent flows. <b>1980</b> , 13, 3319-3324		12
1538	FULLY DEVELOPED TURBULENCE AND INTERMITTENCY. <b>1980</b> , 357, 359-367		34
1537	Some developments in the theory of turbulence. <i>Journal of Fluid Mechanics</i> , <b>1981</b> , 106, 27	3.7	135
1536	A variational principle for the statistical mechanics of fully developed turbulence. <b>1982</b> , 15, 883-895		3
1535	Correlation decay of Lagrangian velocity differences in locally isotropic turbulence. <b>1982</b> , 49, 253-261		22
1534	The evolution of a turbulent vortex. <b>1982</b> , 83, 517-535		156

## (1985-1983)

1533	Helical structures, fractal dimensions and renormalization-group approach in homogeneous turbulence. <b>1983</b> , 96, 292-298	16	
1532	The dimension of chaotic attractors. <b>1983</b> , 7, 153-180	648	
1531	The Dimension of Chaotic Attractors. <b>1983</b> , 142-169	12	
1530	From intermittency to transitivity in neuropsychobiological flows. <b>1983</b> , 245, R484-94	6	
1529	Some facets of the predictability problem for atmospheric mesoscales. 1983,	1	
1528	A vortex-tube model of eddies in the inertial range. <b>1984</b> , 29, 29-64	11	
1527	An overview of Rayleigh-Taylor instability. <b>1984</b> , 12, 3-18	733	
1526	Physical models of fractal functions. <b>1984</b> , 1, 201-205	3	
1525	Characterization of strange attractors as inhomogeneous fractals. <b>1984</b> , 41, 82-86	38	
1524	Fluid dynamics of coal combustion: A review. <b>1984</b> , 10, 177-208	24	
1523	Fractals in physics: Squig clusters, diffusions, fractal measures, and the unicity of fractal dimensionality. <b>1984</b> , 34, 895-930	114	
1522	Fractal structures in turbulence. <b>1984</b> , 36, 649-663	46	
1521	On the multifractal nature of fully developed turbulence and chaotic systems. <b>1984</b> , 17, 3521-3531	570	
1520	. <b>1985</b> , 37A, 209-232	263	
1519	Ou en est la Turbulence Developp\(\text{B}\)?. <b>1985</b> , T9, 137-146	23	
1518	Fractal properties of rain, and a fractal model. <b>1985</b> , 37, 209-232	2	
1517	Crossover model for the scaling exponents of intermittent fully developed turbulence. <i>Physical Review A</i> , <b>1985</b> , 31, 1980-1982	17	
1516	Generalized Scale Invariance in the Atmosphere and Fractal Models of Rain. <b>1985</b> , 21, 1233-1250	174	

1515	The Dimension and Intermittency of Atmospheric Dynamics. 1985, 7-33	106
1514	Moments of rapidity distributions as a measure of short-range fluctuations in high-energy collisions. <b>1986</b> , 273, 703-718	845
1513	Infinite set of exponents describing physics on fractal networks. <b>1986</b> , 19, L791-L796	56
1512	Intermittency and coherent structures in two-dimensional turbulence. <b>1986</b> , 19, 3771-3784	83
1511	Studying Fronts as Contact Ecosystems. <b>1986</b> , 42, 55-66	6
1510	Fractal Measures (Their Infinite Moment Sequences and Dimensions) and Multiplicative Chaos: Early Works and Open Problems. <b>1986</b> , 19-27	1
1509	SELF-AFFINE FRACTAL SETS, III: HAUSDORFF DIMENSION ANOMALIES AND THEIR IMPLICATIONS. 1986, 21-28	2
1508	GENERALISED SCALE INVARIANCE AND ANISOTROPIC INHOMOGENEOUS FRACTALS IN TURBULENCE11partially supported by ATP-RA (85-2601) of CNRS <b>1986</b> , 457-460	5
1507	Multifractal structure of clusters and growing aggregates. <b>1986</b> , 140, 51-61	34
1506	Levy walks with applications to turbulence and chaos. <b>1986</b> , 140, 212-218	54
1505	Characteristic exponents of chaotic repellers as eigenvalues. <b>1986</b> , 119, 65-68	32
1504	Lacunarity and intermittency in fluid turbulence. <b>1986</b> , 114, 465-468	91
1503	Fractal scaling in thin film condensation and material surfaces. <b>1986</b> , 13, 143-189	96
1502	On the upper critical dimension in Anderson localisation. <b>1986</b> , 19, L1099-L1103	30
1501	Multiscaling approach in random resistor and random superconducting networks. <b>1986</b> , 34, 4656-4673	156
1500	Growth probability distribution in kinetic aggregation processes. <i>Physical Review Letters</i> , <b>1986</b> , 57, 1016- <b>7</b> . <b>4</b> 19	246
1499	Self-similarity of fluctuations in random multiplicative processes. <i>Physical Review Letters</i> , <b>1986</b> , 57, 1098–71401	60
1498	Time ordering and the thermodynamics of strange sets: Theory and experimental tests. <i>Physical Review Letters</i> , <b>1986</b> , 57, 1503-1506	136

1497	Scaling of the growth probability measure for fractal structures. <i>Physical Review A</i> , <b>1986</b> , 34, 710-713 2.6	40
1496	. <b>1986</b> , 19, L429-L432	177
1495	Characterization and Measurement of Random Fractals. 1986, T13, 27-32	79
1494	The Growth of Fractal Aggregates. <b>1987</b> , 45-70	9
1493	Scaling approach to multifractality. <b>1987</b> , 56, 785-790	1
1492	Random walks on multifractal lattices. <b>1987</b> , 20, L771-L777	19
1491	Geometrical multifractality of growing structures. <b>1987</b> , 20, L835-L840	30
1490	Search for multifractality in damage spreading for Kauffman cellular automata. <b>1987</b> , 20, L1103-L1106	9
1489	A family of exponents from a fractal model of viscous fingering and DLA. <b>1987</b> , 20, 5961-5969	3
1488	Eden growth on multifractal lattices. <b>1987</b> , 20, L779-L784	8
1487	A hierarchical model for scaling structure in generalised diffusion-limited aggregations. <b>1987</b> , 20, L641-L647	13
1486	Biased diffusion in percolation systems: indication of multifractal behaviour. <b>1987</b> , 20, L865-L871	22
1485	Diffusion on random hierarchical structures. <b>1987</b> , 20, 3913-3934	21
1484	Diffusion near absorbing fractals: Harmonic measure exponents for polymers. <i>Physical Review A</i> , <b>1987</b> , 35, 1809-1824	66
1483	Multifractal nature of truly kinetic random walks. <i>Physical Review Letters</i> , <b>1987</b> , 58, 397-400 7.4	5
1482	Simple multifractal cascade model for fully developed turbulence. <i>Physical Review Letters</i> , <b>1987</b> , 59, 142 <del>4</del> -442	. <b>7</b> 750
1481	Multifractal description of singular measures in dynamical systems. <i>Physical Review A</i> , <b>1987</b> , 36, 4104-41 <b>0</b> %	6
1480	Stress distribution for a rigid fractal embedded in a two-dimensional elastic medium. <i>Physical Review A</i> , <b>1987</b> , 36, 325-331	16

1479	Multifractal structure of the incipient infinite percolating cluster. <b>1987</b> , 36, 5631-5634		17
1478	Dynamical spectrum and thermodynamic functions of strange sets from an eigenvalue problem. <i>Physical Review A</i> , <b>1987</b> , 36, 2507-2510	2.6	43
1477	Dimensional characterization of sets with partial scaling symmetry. <i>Physical Review A</i> , <b>1987</b> , 36, 2850-286	<b>5.1</b> 6	8
1476	Anomalies in the multifractal analysis of self-similar resistor networks. <i>Physical Review A</i> , <b>1987</b> , 36, 2352	<b>28</b> 58	41
1475	Degrees of freedom of turbulence. <i>Physical Review A</i> , <b>1987</b> , 35, 1971-1973	2.6	86
1474	Order parameter, symmetry breaking, and phase transitions in the description of multifractal sets. <i>Physical Review A</i> , <b>1987</b> , 36, 4904-4915	2.6	46
1473	Anomalous scaling and generalized Lyapunov exponents of the one-dimensional Anderson model. <b>1987</b> , 35, 2015-2020		41
1472	Spatial correlations in multifractals. <i>Physical Review A</i> , <b>1987</b> , 35, 4907-4910	2.6	69
1471	Phase transitions associated with dynamical properties of chaotic systems. <i>Physical Review A</i> , <b>1987</b> , 36, 3525-3528	2.6	67
1470	Localization properties of the one-dimensional Anderson model with a self-similar random potential. <b>1987</b> , 35, 7164-7166		5
1469	Diffusion-limited aggregation on multifractal lattices: A model for fluid-fluid displacement in porous media. <i>Physical Review A</i> , <b>1987</b> , 36, 2833-2837	2.6	33
1468	Phase transitions in the thermodynamic formalism of multifractals. <i>Physical Review Letters</i> , <b>1987</b> , 58, 1169-1172	7.4	118
1467	Resistance fluctuations in randomly diluted networks. <b>1987</b> , 35, 3524-3535		72
1466	Fluctuations and distributions in random aggregates. <i>Physical Review A</i> , <b>1987</b> , 36, 4428-4433	2.6	25
1465	Resistance noise in nonlinear resistor networks. <i>Physical Review Letters</i> , <b>1987</b> , 58, 415-418	7.4	49
1464	Scaling group formulation of multifractals. <i>Physical Review Letters</i> , <b>1987</b> , 58, 2786-2789	7.4	6
1463	Scaling properties for the growth probability measure and harmonic measure of fractal structures. <i>Physical Review A</i> , <b>1987</b> , 35, 2234-2245	2.6	45
1462	Second-order light scattering and local anisotropy of diffusion-limited aggregates and bond-percolation clusters. <i>Physical Review Letters</i> , <b>1987</b> , 58, 1996-1999	7-4	14

1461 Dimensional Calculations for Julia Sets. **1987**, T19A, 19-22

1460 Applications of Fractal Theory to Ecology. <b>1987</b> , 335-378	45
Physical modeling and analysis of rain and clouds by anisotropic scaling multiplicative processes.  1459 1987, 92, 9693	791
$_{1458}$ Multifractal scaling structure at the onset of chaos: Theory and experiment. <b>1987</b> , 2, 487-495	2
1457 L $\overline{\Omega}$ y dynamics of enhanced diffusion: Application to turbulence. <i>Physical Review Letters</i> , <b>1987</b> , 58, 1100-1 $\frac{4}{7}$ Ω	<b>3</b> 584
1456 Scaling structure and thermodynamics of strange sets. <i>Physical Review A</i> , <b>1987</b> , 36, 1409-1420 2.6	92
Properties of the fractal measure describing the hydrodynamic force distributions for fractal aggregates moving in a quiescent fluid. <b>1987</b> , 86, 4648-4656	19
1454 . <b>1987</b> ,	
Certain problems in the theory of developed hydrodynamical turbulence. <i>Physics Reports</i> , <b>1987</b> , 151, 129-238	7 41
The fractal structure of the universe: Correlations of galaxies and clusters and the average mass density. <b>1987</b> , 144, 257-284	156
Anomalous scaling laws in multifractal objects. <i>Physics Reports</i> , <b>1987</b> , 156, 147-225	7 830
1450 Is multifractal structure relevant for the turbulent diffusion?. <b>1987</b> , 126, 120-122	11
1449 Diffusion in disordered media. <b>1987</b> , 36, 695-798	1601
$_{1448}$ The multifractal spectrum of the dissipation field in turbulent flows. <b>1987</b> , 2, 49-76	203
Time ordering and the thermodynamics of strange sets: Theory and experimental tests. <b>1987</b> , 2, 497-500	
1446 Phase transitions in the thermodynamic formalism of multifractals. <b>1987</b> , 2, 517-520	3
1445 Connectivity properties of Mandelbrot's percolation process. <b>1988</b> , 77, 307-324	73
1444 Multifractal phenomena in physics and chemistry. <b>1988</b> , 335, 405-409	507

1443	Theory of Laplacian fractals: Diffusion limited aggregation and dielectric breakdown model. <b>1988</b> , 151, 207-245		73
1442	Multiparticle diffusion-limited aggregation with strip geometry. <b>1988</b> , 153, 1-19		11
1441	Harmonic measure for fractal objects. <b>1988</b> , 5, 129-134		
1440	Scale-dependent intermittency and coherence in turbulence. <b>1988</b> , 3, 407-434		92
1439	Band-limited fractal model of atmospheric refractivity fluctuation. <b>1988</b> , 5, 475		9
1438	Intermittency in multiparticle production at high energy. <b>1988</b> , 308, 857-867		509
1437	An Introduction to Multifractal Distribution Functions. 1988, 279-291		17
1436	A multifractal description of the hydrodynamic force distribution for reaction-limited aggregates. <b>1988</b> , 88, 2042-2048		4
1435	Direct interaction approximation of turbulence in the wave packet representation. <b>1988</b> , 31, 1420		17
1434	Multifractal simulations and analysis of clouds by multiplicative processes. <b>1988</b> , 21, 337-361		34
1433	Fractals in Fluid Mechanics. <b>1988</b> , 20, 5-16		31
1432	Fractals. 1988,		2994
1431	Comment on "Spectrum, dimension, and polymer analogies in fluid turbulence". <i>Physical Review Letters</i> , <b>1988</b> , 61, 1523	7.4	1
1430	Chaotic flows and fast magnetic dynamos. <b>1988</b> , 31, 2992		114
1429			
	Entropy function for multifractals. <i>Physical Review A</i> , <b>1988</b> , 37, 1345-1350	2.6	102
1428	Entropy function for multifractals. <i>Physical Review A</i> , <b>1988</b> , 37, 1345-1350  Multifractal nature of the dissipation field of passive scalars in fully turbulent flows. <i>Physical Review Letters</i> , <b>1988</b> , 61, 74-77	2.6 7·4	133
1428 1427	Multifractal nature of the dissipation field of passive scalars in fully turbulent flows. <i>Physical</i>		

Multifractal analysis of eigenstates in systems with off-diagonal disorder. <b>1988</b> , 38, 2948-2951		9
1424 Dynamics in multiplicative processes. <b>1988</b> , 37, 5994-5996		8
Relative velocity fluctuations in turbulent flows at moderate Reynolds number. II. Model calculation. <b>1988</b> , 31, 3253		6
1422 Fractal measures of diffusion in the presence of random fields. <i>Physical Review A</i> , <b>1988</b> , 38, 2185-2188	2.6	10
1421 Fractal analysis of brownian trajectories in fluids. <b>1988</b> , 65, 1195-1204		11
1420 The Science of Fractal Images. <b>1988</b> ,		215
1419 The Kuramoto-Sivashinsky Equation: A Progress Report. <b>1988</b> , 265-280		11
1418 Invasion percolation and invading Eden growth on multifractal lattices. <b>1988</b> , 21, 3501-3522		10
1417 Multifractality and the Kauffman model. <b>1988</b> , 21, L899-L902		8
1416 Phase Transitions on Strange Sets. <b>1988</b> , 37-54		
1415 Mutual Information Of Images: A New Approach To Pyramidal Image Analysis. <b>1988</b> , 1001, 555		О
1414 From Bernoulli scaling to turbulent diffusion. <b>1989</b> , 40, 445-448		2
1413 Hydrodynamic force distribution on a fractal cluster. <i>Physical Review A</i> , <b>1989</b> , 39, 5801-5806	2.6	4
1412 Screening in multifractal growth. <i>Physical Review A</i> , <b>1989</b> , 39, 3591-3596	2.6	17
	2.6	59
Extraction of underlying multiplicative processes from multifractals via the thermodynamic formalism. <i>Physical Review A</i> , <b>1989</b> , 40, 4593-4611		
	2.6	42
formalism. <i>Physical Review A</i> , <b>1989</b> , 40, 4593-4611  Exact-enumeration approach to multifractal structure for diffusion-limited aggregation. <i>Physical</i>	2.6	42 11

1407	Geometry of multifractal systems. <i>Physical Review A</i> , <b>1989</b> , 39, 2780-2782	2.6	7
1406	Breakdown of multifractal behavior in diffusion-limited aggregates. <i>Physical Review Letters</i> , <b>1989</b> , 62, 2977-2980	7.4	112
1405	A statistical theory for the distribution of energy dissipation in intermittent turbulence. <b>1989</b> , 1, 999-10	006	41
1404	Fractal measures of passively convected vector fields and scalar gradients in chaotic fluid flows. <i>Physical Review A</i> , <b>1989</b> , 39, 3660-3671	2.6	78
1403	Deviations from the classical Kolmogorov theory of the inertial range of homogeneous turbulence. <b>1989</b> , 1, 289-293		24
1402	Abnormal fluctuations and thermodynamic phase transitions in dynamical systems. <i>Physical Review A</i> , <b>1989</b> , 39, 3214-3217	2.6	27
1401	Apparent independency of an aggregation system with injection. <i>Physical Review A</i> , <b>1989</b> , 39, 4345-434	72.6	11
1400	Attractor size in intermittent turbulence. <i>Physical Review A</i> , <b>1989</b> , 39, 3732-3733	2.6	14
1399	Multifractal properties of a class of non-natural measures as an eigenvalue problem. <i>Physical Review A</i> , <b>1989</b> , 39, 2090-2096	2.6	17
1398	An advanced model of dissipation cascade in locally isotropic turbulence. <b>1989</b> , 1, 186-189		17
1397	Vibrations of fractals and scattering of light from aerogels. <b>1989</b> , 40, 7953-7965		109
1396	Intrinsic Test for the Cone Angle Ansatz in the Dielectric Breakdown Model. <b>1989</b> , 10, 607-613		2
1395	Self-avoiding random walks on multifractal lattices. <b>1989</b> , 22, 1101-1109		1
1394	The large-N limit of the threshold values in Mandelbrot's fractal percolation process. <b>1989</b> , 22, L501-L5	06	10
1393	Directed recursion models for fractal growth. <b>1989</b> , 22, L377-L383		50
1392	Direct determination of the f( alpha ) singularity spectrum and its application to fully developed turbulence. <i>Physical Review A</i> , <b>1989</b> , 40, 5284-5294	2.6	306
1391	Fluctuations and intermittency in reactions. <b>1989</b> , 221, 427-431		38
1390	The characterization of regular/irregular surfaces in the soil-covered landscape by Gaussian random fields. <b>1989</b> , 15, 219-226		7

1389 The non-Gaussian nature of the distribution function and intermittence of turbulence. **1989**, 32, 223-229

1388 Diffusion-limited aggregation near the percolation threshold. <b>1989</b> , 155, 1-20	18
1387 Reaction and adsorption on multifractal substrates. <b>1989</b> , 155, 21-36	5
1386 Multifractal cascades with interactions. <b>1989</b> , 156, 613-627	15
1385 Multifractals and noise in metal-insulator mixtures. <b>1989</b> , 157, 89-100	32
1384 Viscous fingers on fractals. <b>1989</b> , 157, 524-528	3
1383 Determination of fractal dimensions for geometrical multifractals. <b>1989</b> , 159, 155-166	140
1382 Measuring multifractals. <b>1989</b> , 38, 1-4	32
1381 The physics of fractals. <b>1989</b> , 38, 5-12	98
1380 Multiscaling and multifractality. <b>1989</b> , 38, 37-40	15
1379 Fractals in two dimensions and conformal invariance. <b>1989</b> , 38, 71-87	13
1378 A light scattering study of turbulence. <b>1989</b> , 38, 134-140	11
1377 Aggregates, broccoli and cauliflower. <b>1989</b> , 38, 154-159	6
1376 Fractals and multifractals in avalanche models. <b>1989</b> , 38, 213-214	1
1375 Deterministic models of fractal and multifractal growth. <b>1989</b> , 38, 356-361	9
1374 Vita and publications of Benoit B. Mandelbrot. <b>1989</b> , 38, 385-395	
Results from WA80 on transverse energy production, fluctuations in multiparticle production, and natios. <b>1989</b> , 498, 53-66	10
Measurement of ∰from scaling of histograms, and applications to dynamical systems and fully developed turbulence. <b>1989</b> , 137, 103-112	71

1371	What do we know about self-similarity in fluid turbulence?. <b>1989</b> , 54, 1-15	23
1370	Universality and superuniversality of multifractals in nonlinear resistor networks. <b>1989</b> , 56, 233-241	1
1369	Multifractal measures, especially for the geophysicist. <b>1989</b> , 131, 5-42	297
1368	The fractal geometry of interfaces and the multifractal distribution of dissipation in fully turbulent flows. <b>1989</b> , 131, 43-60	27
1367	Generalised scale invariance and multiplicative processes in the atmosphere. <b>1989</b> , 130, 57-81	26
1366	. <b>1989</b> , 41A, 416-435	56
1365	Wavelet analysis of turbulence reveals the multifractal nature of the Richardson cascade. <b>1989</b> , 338, 51-53	178
1364	Mixing, entrainment and fractal dimensions of surfaces in turbulent flows. <b>1989</b> , 421, 79-108	161
1363	Comment on Are rain rate processes self-similar? (by B. Kedem and L. S. Chiu. 1989, 25, 577-579	10
1362	Determination of f(alpha) for a limited random point set. <i>Physical Review A</i> , <b>1989</b> , 40, 3954-3963 2.6	32
1362 1361	Determination of f(alpha) for a limited random point set. <i>Physical Review A</i> , <b>1989</b> , 40, 3954-3963 2.6  Renormalisation group approach to multifractal structure in random resistor networks just above the percolation threshold. <b>1989</b> , 22, 1111-1120	3 <sup>2</sup>
1361	Renormalisation group approach to multifractal structure in random resistor networks just above	
1361	Renormalisation group approach to multifractal structure in random resistor networks just above the percolation threshold. <b>1989</b> , 22, 1111-1120	5
1361 1360	Renormalisation group approach to multifractal structure in random resistor networks just above the percolation threshold. <b>1989</b> , 22, 1111-1120  Fractal drifter trajectories in the Kuroshio extension. <b>1989</b> , 41, 416-435	5
1361 1360 1359	Renormalisation group approach to multifractal structure in random resistor networks just above the percolation threshold. <b>1989</b> , 22, 1111-1120  Fractal drifter trajectories in the Kuroshio extension. <b>1989</b> , 41, 416-435  The potential distribution around growing fractal clusters. <b>1990</b> , 348, 143-145  Multifractal structure of fully developed hydrodynamic turbulence. I. Kolmogorov's third	5 13 86
1361 1360 1359 1358	Renormalisation group approach to multifractal structure in random resistor networks just above the percolation threshold. 1989, 22, 1111-1120  Fractal drifter trajectories in the Kuroshio extension. 1989, 41, 416-435  The potential distribution around growing fractal clusters. 1990, 348, 143-145  Multifractal structure of fully developed hydrodynamic turbulence. I. Kolmogorov's third hypothesis revisited. 1990, 61, 573-588  Phenomenological theory of probability distributions in turbulence. 1990, 5, 199-221	5 13 86 4
1361 1360 1359 1358	Renormalisation group approach to multifractal structure in random resistor networks just above the percolation threshold. 1989, 22, 1111-1120  Fractal drifter trajectories in the Kuroshio extension. 1989, 41, 416-435  The potential distribution around growing fractal clusters. 1990, 348, 143-145  Multifractal structure of fully developed hydrodynamic turbulence. I. Kolmogorov's third hypothesis revisited. 1990, 61, 573-588  Phenomenological theory of probability distributions in turbulence. 1990, 5, 199-221	5 13 86 4 18

1353	Scaling and universality in statistical physics. <b>1990</b> , 163, 1-14	91
1352	Multifractals in physics: Successes, dangers and challenges. <b>1990</b> , 168, 479-489	33
1351	Velocity probability density functions of high Reynolds number turbulence. <b>1990</b> , 46, 177-200	572
1350	The pdf approach to turbulent flow. <b>1990</b> , 1, 249-285	81
1349	Upper and lower bounds on the Renyi dimensions and the uniformity of multifractals. <b>1990</b> , 41, 67-78	40
1348	Anomalous diffusion in disordered media: Statistical mechanisms, models and physical applications. <i>Physics Reports</i> , <b>1990</b> , 195, 127-293	3161
1347	A deterministic critical forest fire model. <b>1990</b> , 149, 207-210	54
1346	A forest-fire model and some thoughts on turbulence. <b>1990</b> , 147, 297-300	339
1345	Role of Lagrangian chaoticity on the small scale structure of passive scalars in fluids. <b>1990</b> , 166, 305-324	8
1344	Brownian motion from deterministic dynamics. <b>1990</b> , 169, 324-336	54
1343	Two-point statistics of multifractal measures. <b>1990</b> , 164, 564-574	33
1342	Negative fractal dimensions and multifractals. <b>1990</b> , 163, 306-315	120
1341	Novel dynamical scaling in kinetic growth phenomena. <b>1990</b> , 163, 325-333	41
1340	Dynamic mechanisms of disorderly growth: Recent approaches to understanding diffusion limited aggregation. <b>1990</b> , 168, 23-48	43
1339	New Enomalous Imultiplicative multifractals: Left sided (Hand the modelling of DLA. 1990, 168, 95-111	48
1338	Mass multifractals. <b>1990</b> , 168, 490-497	63
1337	Multifractal Geometry of Diffusion-Limited Aggregates. <b>1990</b> , 12, 217-222	69
1336	Classical chaotic scattering-periodic orbits, symmetries, multifractal invariant sets. <b>1990</b> , 23, 2847-2866	33

Kolmogorov inertial range for inhomogeneous turbulent flows. Physical Review Letters, 1990, 65, 1356-1359 1335 Self-affine nature of dielectric-breakdown model clusters in a cylinder. Physical Review A, 1990, 41, 1830±1842 37 Phase transitions in a description of multifractals generated by a logistic map. Physical Review A, 2.6 1333 4 **1990**, 41, 2203-2206 Joint multifractal measures: Theory and applications to turbulence. Physical Review A, 1990, 41, 894-9132.6 1332 194 The measurement and interpretation of fractal dimensions of the scalar interface in turbulent 1331 72 flows. 1990, 2, 792-807 1330 Interface dimension in intermittent turbulence. Physical Review A, 1990, 41, 2246-2248 2.6 74 Statistical physics of intermittency: Phase transitions and fluctuations of scaling indices. Physical 2.6 1329 11 Review A, 1990, 42, 3233-3241 Diffusion-limited aggregation on hierarchical lattice with multifractal heterogeneity. Physical 1328 2.6 Review A, 1990, 41, 999-1005 Fractal trajectories and anomalous diffusion for chaotic particle motions in 2D turbulence. *Physical* 1327 7.4 30 Review Letters, 1990, 64, 1733-1736 Evidence for organized small-scale structure in fully developed turbulence. Physical Review Letters, 1326 7.4 42 **1990**, 64, 415-418 1325 Analysis of scaled-factorial-moment data. 1990, 41, 3381-3387 32 Hierarchical model for the multifractality of diffusion-limited aggregation. Physical Review A, 1990, 2.6 1324 19 42, 4832-4837 Exactly self-similar left-sided multifractal measures. Physical Review A, 1990, 42, 4528-4536 2.6 64 Wavelet analysis of the self-similarity of diffusion-limited aggregates and electrodeposition 2.6 64 1322 clusters. Physical Review A, 1990, 41, 5537-5560 1321 Multifractal properties of snapshot attractors of random maps. Physical Review A, 1990, 41, 784-799 2.6 103 Dynamics of two-dimensional turbulence. 1990, 2, 2036-2045 18 1319 Transformation en ondelettes et renormalisation. 1990, 125-191 8 1318 Recent Advances in Electromagnetic Theory. 1990, 13

1317	Statistical properties of two-dimensional magnetohydrodynamic turbulence. <b>1990</b> , 2, 3024-3031	25
1316	IS THE WORLD AT THE BORDER OF CHAOS?. <b>1990</b> , 581, 110-118	2
1315	Breakage models: lognormality and intermittency. <i>Journal of Fluid Mechanics</i> , <b>1990</b> , 219, 181 3.7	18
1314	Discrete angle radiative transfer: 3. Numerical results and meteorological applications. <b>1990</b> , 95, 11729	40
1313	Frequency power spectrum of temperature fluctuations in free convection. <i>Physical Review Letters</i> , <b>1990</b> , 64, 2140-2143	159
1312	Turbulence: Challenges for Theory and Experiment. <b>1990</b> , 43, 24-32	109
1311	On Fractal Electrodynamics. <b>1990</b> , 183-224	68
1310	The effects of intermittency on statistical characteristics of turbulence and scale similarity of breakdown coefficients. <b>1990</b> , 2, 814-820	112
1309	Fractal Dimension of Fractured Surfaces: A Universal Value?. <b>1990</b> , 13, 73-79	312
1308	Sensing scaled scintillations. <b>1990</b> , 7, 1074	42
1307	Configurational statistics of strings, fractals and polymer physics. <b>1990</b> , 332, 760-784	9
	Configurational statistics of strings, fractals and polymer physics. <b>1990</b> , 332, 760-784  Multifractal analysis of intermittency and phase transitions in multiparticle dynamics. <b>1990</b> , 346, 65-83	9 37
1306	Multifractal analysis of intermittency and phase transitions in multiparticle dynamics. <b>1990</b> , 346, 65-83	37
1306	Multifractal analysis of intermittency and phase transitions in multiparticle dynamics. <b>1990</b> , 346, 65-83  Fractal structures. <b>1990</b> , 20, 135-233	37 57
1306 1305 1304	Multifractal analysis of intermittency and phase transitions in multiparticle dynamics. <b>1990</b> , 346, 65-83  Fractal structures. <b>1990</b> , 20, 135-233  Multifractal patterns of seismicity. <b>1990</b> , 99, 127-132	<ul><li>37</li><li>57</li><li>58</li></ul>
1306 1305 1304 1303	Multifractal analysis of intermittency and phase transitions in multiparticle dynamics. 1990, 346, 65-83  Fractal structures. 1990, 20, 135-233  Multifractal patterns of seismicity. 1990, 99, 127-132  Multiscaling properties of spatial rainfall and river flow distributions. 1990, 95, 1999  Wavelets and multifractal formalism for singular signals: Application to turbulence data. <i>Physical</i>	<ul><li>37</li><li>57</li><li>58</li><li>344</li></ul>

1299	Multiscaling in multifractals. <i>Physical Review Letters</i> , <b>1991</b> , 67, 208-211	7.4	42
1298	The multifractal nature of turbulent energy dissipation. <i>Journal of Fluid Mechanics</i> , <b>1991</b> , 224, 429-484	3.7	637
1297	Analysis of turbulence in the orthonormal wavelet representation. <i>Journal of Fluid Mechanics</i> , <b>1991</b> , 232, 469	3.7	330
1296	Fractal dimensions and spectra of interfaces with application to turbulence. <b>1991</b> , 435, 505-534		89
1295	Random multifractals: negative dimensions and the resulting limitations of the thermodynamic formalism. <b>1991</b> , 434, 79-88		57
1294	From global scaling, Ila Kolmogorov, to local multifractal scaling in fully developed turbulence. <b>1991</b> , 434, 89-99		91
1293	Structure and dynamics of homogeneous turbulence: models and simulations. <b>1991</b> , 434, 101-124		169
1292	On local isotropy of passive scalars in turbulent shear flows. <b>1991</b> , 434, 165-182		256
1291	Multifractal structure of the interplanetary magnetic field: Voyager 2 observations near 25 AU, 1987-1988. <b>1991</b> , 18, 69-72		82
1290	Intermittent turbulence in the solar wind. <b>1991</b> , 96, 5847		178
1289	Fractal aggregates in geophysics. <b>1991</b> , 29, 317		143
1288	A Note on Fractal Channel Networks. <b>1991</b> , 27, 3041-3049		92
1287	Multifractality of self-affine fractals. <i>Physical Review A</i> , <b>1991</b> , 44, 2730-2733	2.6	282
1286	Intrinsic Probability of a Multifractal Set. <b>1991</b> , 60, 3983-3985		8
1285	The dissipation-range spectrum and the velocity-derivative skewness in turbulent flows. <b>1991</b> , 3, 992-99	94	37
1284	Does deterministic chaos imply intermittency in fully developed turbulence?. <b>1991</b> , 3, 1958-1968		52
1283	Limitation of Log-Normal Theory of Turbulence. <b>1991</b> , 60, 477-480		4
1282	Models of Turbulence. <b>1991</b> , T38, 22-27		4

1281	Multifractal spectra of multi-affine functions. <b>1991</b> , 178, 17-28	89
1280	Non-conservative character of the intersection of self-similar cascades. <b>1991</b> , 174, 425-437	1
1279	Invasion percolation on substrates with correlated disorder. <b>1991</b> , 173, 305-324	36
1278	Intermittency in nuclear multifragmentation. <b>1991</b> , 523, 651-676	43
1277	Intermittency '90. <b>1991</b> , 525, 345-360	67
1276	Origin of the Obukhov scaling relation in turbulence. <b>1991</b> , 153, 12-15	9
1275	Anomalous turbulent velocity scaling from the Navier-Stokes equation. <b>1991</b> , 156, 444-449	23
1274	Spectral properties of multifractal measures. <b>1991</b> , 153, 169-172	6
1273	Scale invariant theory of fully developed hydrodynamic turbulence-Hamiltonian approach. <i>Physics Reports</i> , <b>1991</b> , 207, 1-47	63
1272	Analysis of turbulent flows by means of the empirical eigenfunctions. <b>1991</b> , 8, 85-100	28
1271	On the probability density function of velocity gradients in fully developed turbulence. <b>1991</b> , 8, 139-142	20
1270	Intermittency and non-gaussian statistics in turbulence. <b>1991</b> , 8, 143-158	40
1269	Power laws for ratios of moments of the fragment size distribution. <b>1991</b> , 262, 383-387	11
1268	Multifractality of the harmonic measure on fractal aggregates, and extended self-similarity. <b>1991</b> , 177, 386-393	34
1267	Multifractality of space-filling bearings and Apollonian packings. <b>1991</b> , 64, 525-539	19
1266	Multi-affine model for the velocity distribution in fully turbulent flows. <b>1991</b> , 24, L845-L851	35
1265	Passive-Scalar Fluctuations in Intermittent Turbulence. <b>1991</b> , 14, 541-546	4
1264	Behaviour of the harmonic measure at the bottom of fjords. <b>1991</b> , 24, 1889-1901	20

1263	The dimension of turbulence. <b>1991</b> , 24, L1105-L1110		4
1262	Intermittency in a cascade model for three-dimensional turbulence. <i>Physical Review A</i> , <b>1991</b> , 43, 798-80	52.6	160
1261	Multifractality in the statistics of the velocity gradients in turbulence. <i>Physical Review Letters</i> , <b>1991</b> , 67, 2299-2302	7.4	116
1260	Stratified continuum percolation: Scaling geometry of hierarchical cascades. <i>Physical Review A</i> , <b>1991</b> , 44, 6320-6333	2.6	29
1259	Exact results on exponential screening in two-dimensional diffusion-limited aggregation. <i>Physical Review A</i> , <b>1991</b> , 44, 828-831	2.6	27
1258	Multifractal power spectra of passive scalars convected by chaotic fluid flows. <i>Physical Review A</i> , <b>1991</b> , 44, 851-857	2.6	33
1257	Multifractals, operator-product expansion, and field theory. <i>Physical Review Letters</i> , <b>1991</b> , 66, 247-251	7.4	87
1256	Fractal geometry of isoscalar surfaces in turbulence: Theory and experiments. <i>Physical Review Letters</i> , <b>1991</b> , 67, 1739-1742	7.4	87
1255	Spatiotemporal intermittency on the sandpile. <i>Physical Review Letters</i> , <b>1991</b> , 66, 2750-2753	7.4	15
1254	Higher-order statistics of a turbulent jet in a confined crossflow. <b>1991</b> , 29, 2124-2131		3
1253	The role of dissipation fluctuations on the generation of structures and the KuramotoBhivashinsky equation. <b>1991</b> , 3, 1969-1971		1
1252	The Fractal Dimension of Iso-Vorticity Structures in 3-Dimensional Turbulence. <b>1992</b> , 19, 183-187		16
1251	Harmonic measure around a linearly self-similar tree. <b>1992</b> , 25, 1781-1797		30
1250	epsilon entropy for a time series of thermal turbulence. <i>Physical Review A</i> , <b>1992</b> , 46, R3000-R3003	2.6	14
1249	Intermittency in dynamical models of turbulence. <i>Physical Review A</i> , <b>1992</b> , 46, 1951-1959	2.6	9
1248	Scale-invariant multiplier distributions in turbulence. <i>Physical Review Letters</i> , <b>1992</b> , 68, 2762-2765	7.4	60
1247	Vibrational excitations in percolation: Localization and multifractality. <i>Physical Review Letters</i> , <b>1992</b> , 69, 3189-3192	7.4	44
1246	Effect of dissipation fluctuations on anomalous velocity scaling in turbulence. <i>Physical Review A</i> , <b>1992</b> , 45, 2360-2369	2.6	25

1245	Intermittency, many-body scalings, and correlators in critical phenomena. <b>1992</b> , 46, R19-R23		3
1244	Wedge fjord model for dendritic growth. <i>Physical Review A</i> , <b>1992</b> , 46, R7379-R7382	2.6	1
1243	Periodic dichotomous-noise-induced transitions and stochastic coherence. <i>Physical Review A</i> , <b>1992</b> , 45, 3412-3424	2.6	14
1242	Shell model for turbulent advection of passive-scalar fields. <i>Physical Review A</i> , <b>1992</b> , 45, 7214-7221	2.6	55
1241	Variability of the form and of the harmonic measure for small off-off-lattice diffusion-limited aggregates. <i>Physical Review A</i> , <b>1992</b> , 45, 5798-5804	2.6	5
1240	Bounds for the REyi entropies and dynamical phase transitions. <i>Physical Review A</i> , <b>1992</b> , 46, 801-808	2.6	3
1239	Fractal level sets and multifractal fields in direct simulations of turbulence. <i>Physical Review A</i> , <b>1992</b> , 46, 4819-4828	2.6	11
1238	Multifractal patterns formed by laser irradiation in GeAl thin multilayer films. <b>1992</b> , 46, 487-490		12
1237	Empirical determination of universal multifractal exponents in turbulent velocity fields. <i>Physical Review Letters</i> , <b>1992</b> , 68, 305-308	7.4	69
1236	Sign-singular measures: Fast magnetic dynamos, and high-Reynolds-number fluid turbulence. <i>Physical Review Letters</i> , <b>1992</b> , 69, 2654-2657	7.4	81
1235	Intermittency in the multifragmentation of hot nuclei?. Physical Review Letters, 1992, 68, 146-149	7.4	45
1234	Fragmentation-inactivation binary model. <i>Physical Review Letters</i> , <b>1992</b> , 69, 3696-3699	7.4	24
1233	Dimension of the carrier of turbulence: Intermittency in fluid mechanics. <i>Physical Review A</i> , <b>1992</b> , 46, 4736-4741	2.6	5
1232	Multifractal analysis of a lobed mixer flowfield utilizing the proper orthogonal decomposition. <b>1992</b> , 30, 1260-1267		14
1231	On coefficient problems for univalent functions and conformal dimension. <b>1992</b> , 66, 169		43
1230	Statistics and Geometry for the Collection of Fractal Fragments. <b>1992</b> , 61, 4350-4355		1
1229	A comparison of intermittency models in turbulence. <b>1992</b> , 4, 2055-2061		51
1228	Multifractality of growing surfaces. <i>Physical Review A</i> , <b>1992</b> , 45, R6951-R6954	2.6	60

1227	Internal time, irreversibility and intermittency in the quasi-self-similarity of turbulence. <b>1992</b> , 188, 607-6	530	2
1226	Minimum energy and fractal structures of drainage networks. <b>1992</b> , 28, 2183-2195		187
1225	Power law distributions of discharge mass and energy in river basins. <b>1992</b> , 28, 1089-1093		179
1224	Intermittency, fragmentation, and the Smoluchowski equation. <b>1992</b> , 374, 327-339		8
1223	Solar Radiative Transfer Through Clouds Possessing Isotropic Variable Extinction Coefficient. <b>1992</b> , 118, 1145-1162		14
1222	Effective permeability of multifractal porous media. <b>1992</b> , 183, 381-397		26
1221	Multifractility in a shell model for 3D turbulence. <b>1992</b> , 185, 19-27		2
1220	Multifractal analysis, a method to investigate the morphology of materials. <b>1992</b> , 185, 28-34		9
1219	Self-similarity of harmonic measure on DLA. <b>1992</b> , 185, 77-86		24
1218	Multiscaling transformation in dynamical systems and turbulence. <b>1992</b> , 185, 174-180		3
1217	Hard and soft multifractal processes. <b>1992</b> , 185, 187-194		93
1216	Multifractal localization. <b>1992</b> , 191, 365-378		22
1215	Multifractality of random walks and localized excitations on linear random fractals. <b>1992</b> , 191, 379-385		4
1214	On the use of the Weierstrass-Mandelbrot function to describe the fractal component of turbulent velocity. <b>1992</b> , 9, 81-95		34
1213	Finite size effects in the intermittency analysis of the fragment-size correlations. <b>1992</b> , 539, 693-712		6
1212	Intermittency in and the fractal nature of nuclear fragmentation. <b>1992</b> , 537, 606-630		40
1211	The fractal structure of the universe. <i>Physics Reports</i> , <b>1992</b> , 213, 311-389	27.7	192
1210	Vibrations and random walks on random fractals: Anomalous behaviour and multifractality. <b>1992</b> , 65, 191-211		8

1209	Charge-conservation, quantum symmetry, and Metropolis sampling in an exactly solvable model of nuclear fragmentation. <b>1992</b> , 541, 492-506	10
1208	Multifractal decompositions of Moran fractals. <b>1992</b> , 92, 196-236	209
1207	Mean values and fluctuations in the fragmentation of mesoscopic systems using an exactly solvable model with strict particle conservation and quantum symmetry. <b>1992</b> , 504, 340-358	6
1206	Multiscaling generated by time dependent classical field theories. <b>1993</b> , 182, 93-98	3
1205	Lagrangian field theory, multifractals, and universal scaling in turbulence. <b>1993</b> , 172, 355-360	55
1204	On intermittency in a cascade model for turbulence. <b>1993</b> , 65, 163-171	7 <sup>2</sup>
1203	Fractal measures of first passage time of a simple random walk. <b>1993</b> , 199, 55-66	1
1202	Multifractal fluctuations in the dynamics of disordered systems. <b>1993</b> , 194, 288-297	2
1201	Intermittency in turbulence. <b>1993</b> , 194, 519-531	35
1200	Fractal aspects of integrated concentration fluctuations. <i>Boundary-Layer Meteorology</i> , <b>1993</b> , 62, 291-302 <sub>3.4</sub>	3
1200 1199		3 262
1199		
1199	Singularity spectrum of fractal signals from wavelet analysis: Exact results. <b>1993</b> , 70, 635-674	
1199 1198 1197	Singularity spectrum of fractal signals from wavelet analysis: Exact results. <b>1993</b> , 70, 635-674  Interaction of electromagnetic waves with fractal structures. <b>1993</b> , 36, 955-964	262
1199 1198 1197 1196	Singularity spectrum of fractal signals from wavelet analysis: Exact results. <b>1993</b> , 70, 635-674  Interaction of electromagnetic waves with fractal structures. <b>1993</b> , 36, 955-964  Pattern formation outside of equilibrium. <b>1993</b> , 65, 851-1112	262 5971
1199 1198 1197 1196	Singularity spectrum of fractal signals from wavelet analysis: Exact results. 1993, 70, 635-674  Interaction of electromagnetic waves with fractal structures. 1993, 36, 955-964  Pattern formation outside of equilibrium. 1993, 65, 851-1112  Multifragmentation. 1993, 553, 175-190  A random process for the construction of multiaffine fields. 1993, 65, 352-358	262 5971 32
1199 1198 1197 1196 1195	Singularity spectrum of fractal signals from wavelet analysis: Exact results. 1993, 70, 635-674  Interaction of electromagnetic waves with fractal structures. 1993, 36, 955-964  Pattern formation outside of equilibrium. 1993, 65, 851-1112  Multifragmentation. 1993, 553, 175-190  A random process for the construction of multiaffine fields. 1993, 65, 352-358	262 5971 32 91

1191	Distribution of the logarithms of currents in percolating resistor networks. I. Theory. <b>1993</b> , 47, 5756-5769	12
1190	A multifractal equivalent of the Beaufort scale for sea-state. <b>1993</b> , 20, 297-300	5
1189	Universal multifractal indices for the ocean surface at far red wavelengths. <b>1993</b> , 20, 1167-1170	11
1188	Intermittent turbulence in large-scale velocity fluctuations at 1 AU near solar maximum. <b>1993</b> , 98, 17467	34
1187	The Hurst Effect: The scale of fluctuation approach. <b>1993</b> , 29, 3995-4002	62
1186	Random fractal percolation analysis of ductile fracture. <b>1993</b> , 16, 142-144	
1185	Measurements on transition to turbulence in a TaylorLouette cell with oscillatory inner cylinder. <b>1993</b> , 5, 1438-1442	6
1184	Wavelets Understand Fractals. <b>1993</b> , 209-219	2
1183	Spatial correlations in turbulence: Predictions from the multifractal formalism and comparison with experiments. <b>1993</b> , 5, 158-172	44
1182	Target dependence of intermittency and multifractality of multiplicity fluctuations in 800-GeV proton emulsion-nuclei interactions. <b>1993</b> , 47, 123-132	27
1181	Range of multifractality for random walks on random fractals. <b>1993</b> , 47, 2333-2335	8
1180	Directed polymers in a random medium: Universal scaling behavior of the probability distribution. <b>1993</b> , 47, R2979-R2982	9
1179	Consistent scaling of multifractal measures: Multifractal spatial correlations. <b>1993</b> , 47, 2281-2288	
1178	Localization of growth sites in diffusion-limited-aggregation clusters: Multifractality and multiscaling. <b>1993</b> , 48, 1305-1315	8
1177	Non-Kolmogorov scaling exponents and the geometry of high Reynolds number turbulence.  Physical Review Letters, 1993, 70, 3416-3419  7.4	16
1176	Scaling in fluid turbulence: A geometric theory. <b>1993</b> , 47, 3307-3315	24
1175	Coupling between a coherent structure and fine-scale turbulence. <b>1993</b> , 48, 2669-2689	46
1174	Renormalization group and operator product expansion in turbulence: Shell models. <b>1993</b> , 48, 1823-1838	26

Small-scale intermittency in randomly stirred fluids. <b>1993</b> , 48, 1015-1019		2
1172 Multifractals and the Local Connected Fractal Dimension. <b>1993</b> , 171-192		6
1171 Fractal properties of isovelocity surfaces in high Reynolds number laboratory shear flows. <b>1993</b> , 5, 2	2038-2042	2 7
1170 The multifractal lagrangian nature of turbulence. <b>1993</b> , 342, 379-411		83
1169 Inertial and dissipative range intermittency at high Reynolds numbers. <b>1993</b> , T49A, 74-76		1
1168 Intermittency patterns of fluctuations in disaggregating systems. <b>1993</b> , 303-317		
Multifractality, Near-singularities and the Role of Stretching in Turbulence. <b>1994</b> , 35-42		
1166 Multifractality and multiscaling in collision cascades. <b>1994</b> , 50, 2639-2645		10
1165 Synthetic turbulence. <b>1994</b> , 49, 5179-5194		58
1164 Scaling and multiscaling in models of fragmentation. <b>1994</b> , 50, 3502-3507		61
1163 Bounded cascade models as nonstationary multifractals. <b>1994</b> , 49, 55-69		113
1162 Universality and scaling in fully developed turbulence. <b>1994</b> , 43, 143-181		173
Dynamics of instabilities and intermittency. <i>Physical Review Letters</i> , <b>1994</b> , 73, 1765-1768	7.4	61
1160 Multifractal scaling from nonlinear turbulence dynamics: Analytical methods. <b>1994</b> , 50, 285-297		3
Scaling laws of the dissipation rate of turbulent subgrid-scale kinetic energy. <b>1994</b> , 49, 2866-2874		27
$_{ m 1158}$ Random fractals, phase transitions, and negative dimension spectra. <b>1994</b> , 50, 4352-4356		14
Intermittency and scaling property of band-pass-filtered signals in moderate-Reynolds-number turbulent flows. <b>1994</b> , 49, 4052-4059		7
Formulating a first-principles statistical theory of growing surfaces in two-dimensional Laplacian fields. <b>1994</b> , 50, 2952-2962		9

1155	Probability distribution for a multifractal field. <b>1994</b> , 49, R8-R10		5
1154	Stochastic multifractality and universal scaling distributions. <b>1994</b> , 50, 243-261		23
1153	Fractal behaviors in proton-nucleus interactions at 800 GeV. <b>1994</b> , 50, 287-296		9
1152	Scaling exponents for turbulence and other random processes and their relationships with multifractal structure. <b>1994</b> , 50, 1823-1835		51
1151	Chaotic cascades with Kolmogorov 1941 scaling. <b>1994</b> , 75, 781-795		11
1150	Fractal properties of temperature fluctuations in the convective surface layer. <i>Boundary-Layer Meteorology</i> , <b>1994</b> , 71, 169-187	3.4	2
1149	The fixed scale transformation approach to spatiotemporal intermittency in coupled map lattices. <b>1994</b> , 212, 314-326		2
1148	Fluctuation spectroscopy. <i>Chaos, Solitons and Fractals</i> , <b>1994</b> , 4, 5-39	9.3	21
1147	Energy dissipation without viscosity in ideal hydrodynamics I. Fourier analysis and local energy transfer. <b>1994</b> , 78, 222-240		168
1146	Intermittency and predictability in a shell model for three-dimensional turbulence. <b>1994</b> , 76, 239-251		4
1146	Intermittency and predictability in a shell model for three-dimensional turbulence. <b>1994</b> , 76, 239-251  Information cascade with marginal stability in a network of chaotic elements. <b>1994</b> , 77, 456-472		49
1145			
1145	Information cascade with marginal stability in a network of chaotic elements. <b>1994</b> , 77, 456-472		49
1145 1144	Information cascade with marginal stability in a network of chaotic elements. <b>1994</b> , 77, 456-472  Is bioluminescent turbulence an example of self-organized critically?. <b>1994</b> , 189, 176-180	3.7	49
1145 1144 1143	Information cascade with marginal stability in a network of chaotic elements. <b>1994</b> , 77, 456-472  Is bioluminescent turbulence an example of self-organized critically?. <b>1994</b> , 189, 176-180  Multifractal representation of breaking waves on the ocean surface. <b>1994</b> , 99, 16179  Evolution and breakup of vortex rings in straining and shearing flows. <i>Journal of Fluid Mechanics</i> ,	3.7	49 1 10
1145 1144 1143 1142	Information cascade with marginal stability in a network of chaotic elements. 1994, 77, 456-472  Is bioluminescent turbulence an example of self-organized critically?. 1994, 189, 176-180  Multifractal representation of breaking waves on the ocean surface. 1994, 99, 16179  Evolution and breakup of vortex rings in straining and shearing flows. <i>Journal of Fluid Mechanics</i> , 1994, 273, 285-312  Multifractal characterizations of nonstationarity and intermittency in geophysical fields: Observed,	3.7	49 1 10 8
1145 1144 1143 1142	Information cascade with marginal stability in a network of chaotic elements. 1994, 77, 456-472  Is bioluminescent turbulence an example of self-organized critically?. 1994, 189, 176-180  Multifractal representation of breaking waves on the ocean surface. 1994, 99, 16179  Evolution and breakup of vortex rings in straining and shearing flows. <i>Journal of Fluid Mechanics</i> , 1994, 273, 285-312  Multifractal characterizations of nonstationarity and intermittency in geophysical fields: Observed, retrieved, or simulated. 1994, 99, 8055	3.7	49 1 10 8 256

1137	The scattering of electromagnetic waves in fractal media. <b>1994</b> , 4, 97-103	13
1136	Power moments and scaling properties of nuclear emulsion data. <b>1994</b> , 50, 3025-3032	3
1135	Minimum energy dissipation model for river basin geometry. <b>1994</b> , 49, 4865-4872	52
1134	Turbulent diffusion phase transition is due to singular energy spectrum. <b>1995</b> , 92, 11005-8	6
1133	Physical interpretations of regional variations in the scaling exponents of flood quantiles. <b>1995</b> , 9, 347-361	125
1132	Wavelet correlations in hierarchical branching processes. <b>1995</b> , 69, 305-321	
1131	Turbulent cascades. <b>1995</b> , 78, 311-333	50
1130	Intermittency in the Fisher's droplet model. <b>1995</b> , 352, 145-148	6
1129	Fractal Brownian surface and distribution of longitudinal magnetic fields in two solar active regions. <b>1995</b> , 157, 199-212	
1128	A multifractal analysis of lidar measured water vapour. <i>Boundary-Layer Meteorology</i> , <b>1995</b> , 76, 323-347 3.4	5
1127	Two and many particle correlations in nuclear and high energy physics. <i>Physics Reports</i> , <b>1995</b> , 252, 101-12 <del>6</del> .7	46
1126	A conjecture regarding local behaviour of vorticity in the 3d incompressible Navier-Stokes equations. <b>1995</b> , 203, 181-188	1
1125	Fully developed turbulence and Brownian motion. <b>1995</b> , 208, 89-94	
1124	Flux tubes and scaling in MHD dynamo simulations. <i>Chaos, Solitons and Fractals,</i> <b>1995</b> , 5, 2023-2045 9.3	6
1123	The thermodynamics of fractals revisited with wavelets. <b>1995</b> , 213, 232-275	358
1122	Nonlocal stochastic mixing-length theory and the velocity profile in the turbulent boundary layer. <b>1995</b> , 218, 335-374	3
1121	Discrete wavelet approach to multifractality. <b>1995</b> , 220, 219-238	33
1120	Semi-inclusive analysis of multiparticle production in h-h collisions at(sqrt s ) =16.7 GeV in terms of universal multifractals. <b>1995</b> , 108, 417-429	3

1119	Mass multifractality in fragmentation. <b>1995</b> , 51, 3742-3744	1
1118	Exact resummations in the theory of hydrodynamic turbulence. II. A ladder to anomalous scaling. <b>1995</b> , 52, 3858-3875	36
1117	Scaling and intermittency in Burgers turbulence. <b>1995</b> , 52, 3656-3674	125
1116	Distribution of the number of distinct sites visited by random walks in disordered lattices. <b>1995</b> , 52, 1520-152	73
1115	Boundary-layer turbulence as a kangaroo process. <b>1995</b> , 52, 2549-2558	8
1114	Creation and dynamics of vortex tubes in three-dimensional turbulence. <b>1995</b> , 51, 3207-3222	32
1113	Intermittency in microscopic simulations of multifragmentation. <b>1995</b> , 52, 915-918	1
1112	Scaling and dissipation in the GOY shell model. <b>1995</b> , 7, 617-629	105
1111	Critical evolution of a finite system. <b>1995</b> , 52, 271-285	68
1110	Quantized energy cascade and log-Poisson statistics in fully developed turbulence. <i>Physical Review 7.4</i>	244
1109	Two-dimensional Laplacian growth as a system of creating and annihilating particles. <b>1995</b> , 51, 3434-3443	3
1108	"Intermittency" in Hydrodynamic Turbulence as Intermediate Asymptotics to Kolmogorov Scaling.  Physical Review Letters, <b>1995</b> , 74, 2690-2693  7.4	33
1107	A closure model for intermittency in three-dimensional incompressible turbulence. <b>1995</b> , 7, 1598-1615	1
1106	Multiplicative cascade models of multifractal solar magnetic fields. <b>1995</b> , 51, 316-324	12
1105	Asymptotic dissipation rate in turbulence. <b>1995</b> , 51, 6275-6277	22
1104	Fractal dimension of velocity signals in high-Reynolds-number hydrodynamic turbulence. <b>1995</b> , 51, 5594-5608	32
1103	On the absence of directed fractal percolation. <b>1995</b> , 28, L295-L301	6
1102	Correlators of Velocity Differences and Energy Dissipation as an Element in the Subcritical Scenario for Non-Kolmogorov Scaling in Turbulence. <b>1995</b> , 29, 291-296	3

1101	The fixed-scale transformation approach to fractal growth. <b>1995</b> , 67, 545-604		105
	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> , <b>1996</b> , 317, 21-71	3.7	145
	Algebraic probability density tails in decaying isotropic two-dimensional turbulence. <i>Journal of Fluid Mechanics</i> , <b>1996</b> , 313, 223-240	3.7	41
	Examination of hypotheses in the Kolmogorov refined turbulence theory through high-resolution simulations. Part 1. Velocity field. <i>Journal of Fluid Mechanics</i> , <b>1996</b> , 309, 113-156	3.7	157
1097	Vector-valued multifractal measures. <b>1996</b> , 452, 1433-1457		16
1096 l	Multifractal Properties of Daily Rainfall in Two Different Climates. <b>1996</b> , 32, 2463-2472		84
1095	Wavelets and turbulence. <b>1996</b> , 84, 639-669		133
1001	Theory of extremal dynamics with quenched disorder: Invasion percolation and related models. <b>1996</b> , 54, 1406-1425		19
1093	Multifractal characterization of rain fields with a strong orographic influence. <b>1996</b> , 101, 26405-26414		95
	Multifractal analysis and modeling of rainfall and river flows and scaling, causal transfer functions. <b>1996</b> , 101, 26427-26440		224
1091	Causal space-time multifractal processes: Predictability and forecasting of rain fields. <b>1996</b> , 101, 26333-	26346	112
1090 /	A space-time theory of mesoscale rainfall using random cascades. <b>1996</b> , 101, 26319-26331		179
1089	On scaling exponents of spatial peak flows from rainfall and river network geometry. <b>1996</b> , 187, 81-104		103
1088	Cornerstones of a theory of anomalous scaling in turbulence. <b>1996</b> , T67, 131-135		2
1087	Trinomial Generalized Cantor Set Model for Isotropic Turbulence. <b>1996</b> , 65, 873-875		2
1086	Fractal and scaling characteristics of the equatorial atlantic currents. <b>1996</b> , 7, 127-139		
	On the length of the shortest crossing in the super-critical phase of Mandelbrot's percolation process. <b>1996</b> , 61, 25-43		10
1084	Intersection-equivalence of Brownian paths and certain branching processes. <b>1996</b> , 177, 417-434		54

1083	Levy stability for anisotropic dynamical fluctuation in high energy multiparticle production. <b>1996</b> , 71, 499-501		1
1082	Multifractal scaling in Sinai diffusion. <b>1996</b> , 224, 232-238		2
1081	Scaling properties of disordered multifractals. <b>1996</b> , 226, 34-63		5
1080	Stochastic selfsimilar branching and turbulence. <b>1996</b> , 228, 273-291		6
1079	Geometrical properties of 3D fractal aggregates. <i>Chaos, Solitons and Fractals</i> , <b>1996</b> , 7, 125-136	9.3	3
1078	Wavelet based fractal analysis of DNA sequences. <b>1996</b> , 96, 291-320		114
1077	On a discrete dynamical model for local turbulence. <b>1996</b> , 95, 144-157		3
1076	Scaling laws for density correlations and fluctuations in multiparticle dynamics. <i>Physics Reports</i> , <b>1996</b> , 270, 1-141	27.7	341
1075	Features of the lateral particle distributions in the core of high-energy extensive air showers from a multifractal moments analysis. <b>1996</b> , 372, 515-526		15
1074	Evaluation of fractal dimension for mixing and combustion by the schlieren method. <b>1996</b> , 21, 248-258		2
1073	Fluid Flow and Transport in Rocks. <b>1996</b> ,		6
1072	DETERMINISTIC CHAOS IN INFINITE QUANTUM SYSTEMS (Trieste Notes in Physics). <b>1996</b> , 28, 326-327		
1071	Laser-induced bursts of subsurface superheated liquid Mo. <b>1996</b> , 73, 309-323		2
1070	Statistics of wave functions in mesoscopic systems. <b>1996</b> , 37, 4935-4967		15
1069	RANDOM GEOMETRICALLY GRAPH DIRECTED SELF-SIMILAR MULTIFRACTALS (Pitman Research Notes in Mathematics 307). <b>1996</b> , 28, 325-326		
1068	Fractals and Multifractals: The Interplay of Physics and Geometry. <b>1996</b> , 1-58		14
1067	Stochastic dynamics of relativistic turbulence. <b>1996</b> , 53, 5502-5505		20
1066	Limitations of random multipliers in describing turbulent energy dissipation. <b>1996</b> , 54, 5100-5106		10

One- and two-dimensional multifractals in proton-AgBr interactions at 800 GeV. **1996**, 53, 1876-1882

1064	Intermittency in 197Au fragmentation. <b>1996</b> , 53, 1532-1540	2
1063	Multifractal analysis of the coupling space of feedforward neural networks. <b>1996</b> , 53, R2064-R2067	12
1062	Stochastic process for the dynamics of the turbulent cascade. <b>1996</b> , 53, 3536-3540	8
1061	Wavelets and multifractality: Application to Anderson localized wave functions. <b>1996</b> , 35, 641-646	7
1060	Multifractal temperature and flux of temperature variance in fully developed turbulence. <b>1996</b> , 34, 195-200	57
1059	Numerical estimates of the generalized dimensions of the Hillion attractor for negativeq. <b>1996</b> , 29, L391-L398	28
1058	Harmonic field distribution on self-affine surfaces. <b>1997</b> , 37, 523-528	2
1057	Translational invariance in turbulent cascade models. <b>1997</b> , 56, 4263-4274	10
1056	Nature of the Vorticity Field Generated by Instabilities of Chaotic Fluid Flows. <i>Physical Review Letters</i> , <b>1997</b> , 78, 2559-2562	5
1055	Critical evolution of hot van der Waals droplets. <b>1997</b> , 106, 7766-7776	15
1054	Multifractal properties of power-law time sequences: Application to rice piles. <b>1997</b> , 56, 5284-5294	19
1053	Exact calculation of multifractal exponents of the critical wave function of Dirac fermions in a random magnetic field. <b>1997</b> , 56, 10668-10677	94
1052	Experimental assessment of fractal scale similarity in turbulent flows. Part 3. Multifractal scaling. <i>Journal of Fluid Mechanics</i> , <b>1997</b> , 338, 127-155	26
1051	Airborne aerothermal measurement of Cn2in the tropopause. <b>1997</b> ,	
1050	Asymptotic prime-power divisibility of binomial, generalized binomial, and multinomial coefficients. <b>1997</b> , 349, 3837-3873	5
1049	Theory of scaleBimilar intermittent measures. <b>1997</b> , 453, 691-710	12
1048	Multifractal Formalism for Functions Part II: Self-Similar Functions. <b>1997</b> , 28, 971-998	74

1047 Multiscaling properties of rainfall and bounded random cascades. <b>1997</b> , 33, 2823-2830	116
1046 THE PHENOMENOLOGY OF SMALL-SCALE TURBULENCE. <b>1997</b> , 29, 435-472	870
1045 Multifractal Formalism for Functions Part I: Results Valid For All Functions. <b>1997</b> , 28, 944-970	214
1044 Hydrodynamic turbulence: a 19th century problem with a challenge for the 21st century. <b>1997</b> , 1-16	4
1043 Hierarchical structures and scalings in turbulence. <b>1997</b> , 28-52	5
Reflections on the 3-Dimensional Structure of River Basins: Its Linkage with Runoff Production and Minimum Energy Dissipation. <b>1997</b> , 227-257	18
1041 Scaling properties of passive scalars in one dimension. <b>1997</b> , 244, 190-212	3
1040 Wavelet cascades. <b>1997</b> , 247, 41-58	5
The onset of chaos in the wake of an oscillating cylinder: Experiment and the dynamics of the circle map. <b>1997</b> , 48, 693-703	2
$_{103}8$ Old friends revisited: the multifractal nature of some classical functions. <b>1997</b> , 3, 1-22	41
1037 Turbulent-like diffusion in complex quantum systems. <b>1997</b> , 234, 103-107	13
1036 Multiscaling in fragmentation. <b>1997</b> , 107, 156-160	13
1035 Inversion Formula for Continuous Multifractals. <b>1997</b> , 19, 332-354	13
Fracton Excitations as a Driving Mechanism for the Self-Organized Dynamical Structuring in the Solar Wind. <b>1998</b> , 264, 317-345	16
Thermodynamics of fractal signals based on wavelet analysis: application to fully developed turbulence data and DNA sequences. <b>1998</b> , 254, 24-45	32
1032 Copepod diffusion within multifractal phytoplankton fields. <b>1998</b> , 16, 69-83	17
1031 Multifractal Analysis of Choquet Capacities. <b>1998</b> , 20, 1-43	58
1030 Small scale intermittency in turbulence. <b>1998</b> , 17, 405-419	11

Parametric homogeneity and non-classical self-similarity. II. Some applications. <b>1998</b> , 131, 47-67	24
1028 Saddle-node bifurcation without a reinjection process in the temporal intermittency. <b>1998</b> , 247, 235-240	5
Two-point statistics of statistically self-similar cascades. <b>1998</b> , 326, 365-370	
1026 Vorticity generation by instabilities of chaotic fluid flows. <b>1998</b> , 111, 202-226	8
1025 A langevin equation for the energy cascade in fully developed turbulence. <b>1998</b> , 124, 368-381	19
1024 A multifractal wavelet model for positive processes.	1
Magnetic field strength distributions and spectra in the heliosphere and their significance for cosmic ray modulation: Voyager 1, 1980🛮 994. <b>1998</b> , 103, 29719-29732	52
Radiative effects of sub-mean free path liquid water variability observed in stratiform clouds. <b>1998</b> , 103, 19557-19567	35
1021 Random cascades on wavelet dyadic trees. <b>1998</b> , 39, 4142-4164	134
1020 Two-scale analysis of intermittency in fully developed turbulence. <b>1998</b> , 43, 284-289	4
1019 Multifractal formalism for self-similar bridges. <b>1998</b> , 31, 2567-2590	2
1018 Multifractal and critical properties of the Ising model. <b>1998</b> , 57, 10240-10243	5
1017 Advances in PDF modeling for inhomogeneous turbulent flows. <b>1998</b> , 10, 246-265	68
Analysis of Random Cascades Using Space-Scale Correlation Functions. <i>Physical Review Letters</i> , 7-4	60
1015 A simple statistical analysis of wavelet-based multifractal spectrum estimation.	2
1014 Multifractal Analysis of Soil Spatial Variability. <b>1999</b> , 91, 1033-1041	129
Intermittency and coherent structures in a swirling flow: A wavelet analysis of joint pressure and velocity measurements. <b>1999</b> , 11, 3524-3539	28
Evidence for intermittency in Earth plasma sheet and implications for self-organized criticality.  1999, 6, 4161-4168	126

1011	Scaling and percolation in the small-world network model. <b>1999</b> , 60, 7332-42	795
1010	Multifractality of Brownian motion near absorbing polymers. <b>1999</b> , 59, 6914-23	22
1009	Biasymptotic formula for the turbulent energy cascade. <b>1999</b> , 60, 4138-42	2
1008	Two-Dimensional Copolymers and Exact Conformal Multifractality. <i>Physical Review Letters</i> , <b>1999</b> , 82, 880-883	34
1007	Harmonic Measure Exponents for Two-Dimensional Percolation. <i>Physical Review Letters</i> , <b>1999</b> , 82, 3940- <b>39</b> 43	42
1006	Enhanced diffusion and the continuous spontaneous localization model. <i>Physical Review A</i> , <b>1999</b> , 60, 2712-2715	5
1005	Scaling properties in off-equilibrium dynamical processes. <b>1999</b> , 59, 2812-2816	12
1004	Analysis of energy cascade models of turbulence. <b>1999</b> , 59, 6715-23	7
1003	Signals of critical behavior in fragmenting finite systems. <b>1999</b> , 60,	36
1002	Electrostatic discharges and multifractal analysis of their Lichtenberg figures. <b>1999</b> , 32, 219-226	13
1001	Statistical discrete gust analysis of tower-based atmospheric turbulence data for aircraft response studies. <b>1999</b> , 213, 143-162	3
1000	Multifractal asymptotic modeling of the probability density function of velocity increments in turbulence. <b>1999</b> , 129, 93-114	8
999	On fractal percolation in. <b>1999</b> , 45, 187-190	3
998	Partition function based analysis of cosmic microwave background maps. <b>1999</b> , 306, 427-436	26
997	Random walks, polymers, percolation, and quantum gravity in two dimensions. <b>1999</b> , 263, 452-465	5
996	Characterisation and Simulation of the Multiscaling Properties of the Energy-Containing Scales of Horizontal Surface-Layer Winds. <i>Boundary-Layer Meteorology</i> , <b>1999</b> , 90, 21-46	26
995	Wet and dry epoch durations of spatially averaged rain rate, their probability distributions and scaling properties. <b>1999</b> , 6, 351-380	4
994	A NEW VIEW OF NONLINEAR WATER WAVES: The Hilbert Spectrum. <b>1999</b> , 31, 417-457	1435

## (2000-1999)

993	Multiscale modeling and estimation of Poisson processes with application to photon-limited imaging. <b>1999</b> , 45, 846-862	104
992	Scaling analysis of conservative cascades, with applications to network traffic. <b>1999</b> , 45, 971-991	68
991	A multifractal wavelet model with application to network traffic. <b>1999</b> , 45, 992-1018	327
990	Analysis and simulation of scale-dependent fractal surfaces with application to seafloor morphology. <b>1999</b> , 25, 979-1007	30
989	Multifractal Measures and a Weak Separation Condition. <b>1999</b> , 141, 45-96	128
988	Multifractal analysis of foreign exchange data. <b>1999</b> , 15, 29-53	123
987	Multifractal analysis of 15-min and daily rainfall from a semi-arid region in Portugal. <b>1999</b> , 220, 1-11	96
986	Fluid turbulence. <b>1999</b> , 71, S383-S395	149
985	Easy and Natural Generation of Multifractals: Multiplying Harmonics of Periodic Functions. <b>1999</b> , 113-122	1
984	Conformal Multifractality of Random Walks, Polymers, and Percolation in Two Dimensions. <b>1999</b> , 185-206	1
983	Anisotropic multiresolution analysis in 2D: application to long-range correlations in cloud millimeter-radar fields. <b>1999</b> ,	2
982	Effect of spatial averaging on temporal statistical and scaling properties of rainfall. <b>1999</b> , 104, 19117-19126	12
981	High-order structure functions of turbulence. <i>Journal of Fluid Mechanics</i> , <b>1999</b> , 387, 3-37	59
980	Joint Multifractal Analysis of Crop Yield and Terrain Slope. <b>2000</b> , 92, 1279-1290	73
979	Limit theorems for Mandelbrot's multiplicative cascades. <b>2000</b> , 10, 218	12
978	How the propagation of error through stochastic counters affects time discrimination and other psychophysical judgments. <b>2000</b> , 107, 430-59	59
977	Wavelets for the Analysis, Estimation, and Synthesis of Scaling Data. 39-88	127
976	Multifractal analysis of Hong Kong air quality data. <b>2000</b> , 11, 139-149	18

975	The rate of entropy increase at the edge of chaos. <b>2000</b> , 273, 97-103	101
974	The Markovian metamorphosis of a simple turbulent cascade model. <b>2000</b> , 273, 104-108	11
973	Fix-point multiplier distributions in discrete turbulent cascade models. <b>2000</b> , 136, 125-144	17
972	Cointegration of stochastic multifractals with application to foreign exchange rates. <b>2000</b> , 7, 349-363	21
971	A fractal analysis of foreign exchange markets. <b>2000</b> , 6, 33-49	14
970	Multifractal versus monofractal analysis of wetland topography. <b>2000</b> , 14, 8-32	17
969	Turbulent Flows. <b>2000</b> , 727-748	
968	Statistical analysis of time series with scaling indices. <b>2000</b> , 5, 297-309	1
967	. 2000,	405
966	Infinitely divisible cascade analysis of network traffic data.	10
965	Fluctuations of the inverse participation ratio at the anderson transition. <i>Physical Review Letters</i> , <b>2000</b> , 84, 3690-3	156
964	Multifractality and critical fluctuations at the Anderson transition. <b>2000</b> , 62, 7920-7933	166
963	Left-sided multifractality in a binary random multiplicative cascade. <b>2001</b> , 63, 011109	1
962	Conformally invariant fractals and potential theory. <i>Physical Review Letters</i> , <b>2000</b> , 84, 1363-7 7.4	104
961	Multifractal properties of the random resistor network. <b>2000</b> , 61, R3283-6	16
960	Multifractal scaling of the intrinsic permeability. <b>2000</b> , 36, 3211-3222	55
959	Turbulence analogy in normal sinus rhythm of healthy humans.	
958	Tests of a space-time model of daily rainfall in southwestern Australia based on nonhomogeneous random cascades. <b>2000</b> , 36, 267-284	46

## (2001-2001)

957	Lognormal and multifractal distributions of the heliospheric magnetic field. <b>2001</b> , 106, 15917-15927	65
956	A chaotic approach to rainfall disaggregation. <b>2001</b> , 37, 61-72	84
955	Specific heat of multifractal energy spectra. <b>2001</b> , 64, 011104	14
954	Multifractal random walk. <b>2001</b> , 64, 026103	285
953	Multifractals and resolution-independent remote sensing algorithms: The example of ocean colour. <b>2001</b> , 22, 1191-1234	36
952	Nonlinear and scaling spatial properties of soil geochemical element contents. <b>2001</b> , 37, 1031-1042	5
951	Generalized vector multiplicative cascades. <b>2001</b> , 33, 874-895	7
950	On the connectivity properties of the complementary set in fractal percolation models. <b>2001</b> , 119, 176-186	11
949	Fractal percolation and branching cellular automata. <b>2001</b> , 120, 277-308	1
948	On the properties of random multiplicative measures with the multipliers exponentially distributed. <b>2001</b> , 294, 273-282	10
947	Turbulent flows and intermittency in laboratory experiments. 2001, 49, 1177-1191	36
946	On the value of the critical point in fractal percolation. <b>2001</b> , 18, 332-345	2
945	Multifractal Components of Multiplicative Set Functions. <b>2001</b> , 229, 129-160	7
944	Analysis And Simulation Of Surface-Layer Winds Using Multiplicative Cascade Models With Self-Similar Probability Densities. <i>Boundary-Layer Meteorology</i> , <b>2001</b> , 100, 263-286	11
943	Application of multiresolution analysis for simultaneous measurement of gas and liquid velocities and fractional gas hold-up in bubble column using LDA. <b>2001</b> , 56, 5037-5048	70
942	Stratified multifractal magnetization and surface geomagnetic fields-II. Multifractal analysis and simulations. <b>2001</b> , 145, 127-144	22
941	SINGULARITY FEATURES OF PORE-SIZE SOIL DISTRIBUTION: SINGULARITY STRENGTH ANALYSIS AND ENTROPY SPECTRUM. <i>Fractals</i> , <b>2001</b> , 09, 305-316	37
940	ON CONTINUOUSLY-GENERATED SELF-SIMILAR MULTIFRACTALS. <i>Fractals</i> , <b>2001</b> , 09, 129-147 3.2	1

939	ANOMALOUS FEATURES ARISING FROM RANDOM MULTIFRACTALS. <i>Fractals</i> , <b>2001</b> , 09, 317-328 3.2	9
938	Thermodynamics of Chaos and Fractals Applied: Evolution of the Earth and Phase Transformations. <b>2001</b> , 76, 25-80	1
937	Transport around criticalities: Localization-delocalization and paramagnetic-ferromagnetic transitions. <b>2001</b> , 81, 859-874	
936	Multifractality in directed percolation. <b>2001</b> , 55, 691-697	7
935	Large deviation for weak Gibbs measures and multifractal spectra. 2001, 14, 395-409	22
934	Multifractal characterization of complete genomes. <b>2001</b> , 34, 7127-7139	23
933	Burgers turbulence and the continuous spontaneous localization model. <b>2001</b> , 54, 21-27	3
932	Thermodynamic interpretation of the uniformity of the phase space probability measure. <b>2001</b> , 34, 4663-467	1 3
931	Noisy random resistor networks: renormalized field theory for the multifractal moments of the current distribution. <b>2001</b> , 63, 036103	17
930	Multifractal properties of resistor diode percolation. <b>2002</b> , 65, 036124	5
929	Harmonic measure and winding of conformally invariant curves. <i>Physical Review Letters</i> , <b>2002</b> , 89, 26410 <sup>4</sup> .4	17
928	Modeling multifractal traffic with stochastic L-systems.	5
927	MULTIFRACTALITY OF ITERATED PULSE PROCESSES WITH PULSE AMPLITUDES GENERATED BY A RANDOM CASCADE. <i>Fractals</i> , <b>2002</b> , 10, 209-222	12
926	AN EXPERIMENTALIST'S VIEW OF DISCRETE AND CONTINUOUS CASCADE MODELS IN FULLY DEVELOPED TURBULENCE. <i>Fractals</i> , <b>2002</b> , 10, 321-327	3
925	SCALING OF MULTIFRACTAL MEASURES UNDER AFFINE TRANSFORMATIONS. <i>Fractals</i> , <b>2002</b> , 10, 147-15 <b>6</b> .2	2
924	LARGE DEVIATIONS OF MULTIFRACTAL MEASURES. <i>Fractals</i> , <b>2002</b> , 10, 117-129 3.2	10
923	Non-statistical Fluctuation of Compound Multiplicity in Nucleus-Nucleus Interactions: Evidence of Strong Intermittency. <b>2002</b> , 19, 1436-1438	10
922	Multifractal properties of growing networks. <b>2002</b> , 57, 334-340	20

## (2003-2002)

9	)21	Wavelet Based Multifractal Formalism: Applications to DNA Sequences, Satellite Images of the Cloud Structure, and Stock Market Data. <b>2002</b> , 26-102	48
9	<b>)2</b> O	Multifractal products of stochastic processes: construction and some basic properties. <b>2002</b> , 34, 888-903	13
9	)19	MULTIFRACTAL CHARACTERIZATION OF REMOTELY SENSED VOLCANIC FEATURES: A CASE STUDY FROM KILAUEA VOLCANO, HAWAII. <i>Fractals</i> , <b>2002</b> , 10, 265-274	9
9	18	Multifractal stationary random measures and multifractal random walks with log infinitely divisible scaling laws. <b>2002</b> , 66, 056121	93
9	17	A scaling analysis of ER-2 data in the inner Arctic vortex during January March 2000. <b>2002</b> , 107, SOL 49-1-SOL 49-19	13
9	16	Multiscaling analysis and random cascade modeling of dye infiltration. <b>2002</b> , 38, 45-1-45-11	21
9	)15	Multifractality in Asset Returns: Theory and Evidence. <b>2002</b> , 84, 381-406	228
9	)14	Stochastic fractal models for image processing. <b>2002</b> , 19, 48-62	116
9	)13	Reproduction of temporal scaling by a rectangular pulses rainfall model. 2002, 16, 611-630	53
9	)12	Random Wavelet Series. <b>2002</b> , 227, 483-514	55
9	)11	Laser diffraction and multifractal analysis for the characterization of dry soil volume-size distributions. <b>2002</b> , 64, 113-123	65
9	)10	Multifractal specific heats in ultrahigh-energy nuclear collisions. <b>2002</b> , 707, 213-223	15
9	09	On Markov <b>M</b> andelbrot martingales. <b>2002</b> , 81, 967-982	5
9	08	Diffusion in disordered media. <b>2002</b> , 51, 187-292	375
9	907	Thermodynamic Formalism and Multifractal Analysis of Conformal Infinite Iterated Function Systems. <b>2002</b> , 96, 27-98	47
9	06	Modeling Network Traffic with Multifractal Behavior. <b>2003</b> , 24, 339-362	8
9	05	Limit Theorems for Multiplicative Processes. <b>2003</b> , 16, 971-1014	4
9	004	Multifractal Power Law Distributions: Negative and Critical Dimensions and Other Anomalies, Explained by a Simple Example. <b>2003</b> , 110, 739-774	38

903 Multifractal structure and product of matrices. **2003**, 19, 289-311

902	Multifractal formalisms: Boxed versus centered intervals. <b>2003</b> , 19, 332-341		2
901	Measuring intermittency parameters of energy cascade in turbulence. <b>2003</b> , 19, 453-457		3
900	Global and Local Multiscale Analysis of Magnetic Susceptibility Data. <b>2003</b> , 160, 2399-2417		32
899	On a multiscale continuous percolation model with unbounded defects. <b>2003</b> , 34, 417-435		4
898	Multifractal features in temporal patterns of seismicity in southern Apennine Chain (Italy). <b>2003</b> , 14, 719-732		1
897	The multifractal structure of arterial trees. <b>2003</b> , 220, 75-82		12
896	Multiperiodic multifractal martingale measures. <b>2003</b> , 82, 1555-1589		9
895	Geometric interpretation of fractal parameters measured in turbulent premixed Bunsen flames. <b>2003</b> , 27, 409-416		17
894	Hierarchical structure description of intermittent structures of turbulence. <b>2003</b> , 33, 261-286		13
893	Monofractal and multifractal characterization of geoelectrical signals measured in southern Italy. <i>Chaos, Solitons and Fractals</i> , <b>2003</b> , 18, 385-399	9.3	32
892	SHELLMODELS OFENERGYCASCADE INTURBULENCE. <b>2003</b> , 35, 441-468		223
891	Three-dimensional wavelet-based multifractal method: the need for revisiting the multifractal description of turbulence dissipation data. <i>Physical Review Letters</i> , <b>2003</b> , 91, 194501	7.4	51
890	Analyses of Kolmogorov® model of breakup and its application into Lagrangian computation of liquid sprays under air-blast atomization. <b>2003</b> , 15, 184-192		65
889	Synchrocascade pattern in the atmospheric turbulence. <b>2003</b> , 108,		1
888	Scale invariance of regional wet and dry durations of rain fields: A diagnostic study. <b>2003</b> , 108,		10
887	Multifractal anisotropic scaling of the hydraulic conductivity. <b>2003</b> , 39,		46
886	A comparison of stochastic models for spatial rainfall downscaling. <b>2003</b> , 39,		68

## (2004-2003)

į	885	A wavelet-based method for multifractal image analysis: From theoretical concepts to experimental applications. <b>2003</b> , 126, 1-92		42
	884	RByi dimensions of soil pore size distribution. <i>Geoderma</i> , <b>2003</b> , 112, 205-216	5.7	62
į	883	Some Functional Equations Revisited: The Multifractal Properties. <b>2003</b> , 14, 333-348		9
;	882	Heterogeneity in the Crust and Upper Mantle. 2003,		6
į	881	Ch. 10. Fractals and the modelling of self-similarity. <b>2003</b> , 21, 371-406		1
;	880	Power-law tail probabilities of drainage areas in river basins. <b>2003</b> , 68, 016123		10
į	879	SCALING AND FINITE-SIZE EFFECTS FOR THE CRITICAL BACKBONE. <i>Fractals</i> , <b>2003</b> , 11, 19-27	3.2	9
;	878	NEW EVIDENCE OF DISCRETE SCALE INVARIANCE IN THE ENERGY DISSIPATION OF THREE-DIMENSIONAL TURBULENCE: CORRELATION APPROACH AND DIRECT SPECTRAL DETECTION. <b>2003</b> , 14, 459-470		11
;	877	Modeling network traffic with multifractal behavior.		2
;	876	Marginal Distribution of Stationary Multifractal Measures and Their Haar Wavelet Coefficients. Fractals, <b>2003</b> , 11, 253-270	3.2	16
į	875	On the effects of surrogacy of energy dissipation in determining the intermittency exponent in fully developed turbulence. <b>2003</b> , 61, 756-761		16
	874	Framework based on stochastic L-Systems for modeling IP traffic with multifractal behavior. 2003,		2
;	873	Joint characterization of the packet arrival and packet size processes of multifractal traffic based on stochastic L-systems. <b>2003</b> , 561-570		2
;	872	Bibliography. <b>2003</b> , 272-279		
;	871	. 2003,		1130
	870	Fractional differential equations driven by L∏y noise. <b>2003</b> , 16, 97-119		49
8	869	Wavelet analysis of conservative cascades. <b>2003</b> , 9, 97		14
	868	Influence of a discontinuity on the spectral and fractal analysis of one-dimensional data. <b>2004</b> , 11, 659-68	32	4

867	Measuring the Degree of Financial Market Efficiency: An Essay. <b>2004</b> ,		О
866	Growth activity during fingering in a porous Hele-Shaw cell. <b>2004</b> , 70, 026301		89
865	Self-similar scaling in decaying numerical turbulence. <b>2004</b> , 69, 056303		7
864	NEW INSIGHTS INTO THE ESTIMATION OF SCALING EXPONENTS. <b>2004</b> , 02, 497-523		76
863	Fractional Generalized Random Fields of Variable Order. <b>2004</b> , 22, 775-799		46
862	Fractal Geometry and Stochastics III. <b>2004</b> ,		1
861	Scaling exponents estimation for multiscaling processes.		4
860	CHARACTERIZATION OF LASER PROPAGATION THROUGH TURBULENT MEDIA BY QUANTIFIERS BASED ON THE WAVELET TRANSFORM. <i>Fractals</i> , <b>2004</b> , 12, 223-233	3.2	13
859	DETECTING MULTIFRACTAL PROPERTIES IN ASSET RETURNS: THE FAILURE OF THE "SCALING ESTIMATOR". <b>2004</b> , 15, 481-491		43
858	MULTIFRACTALITY IN AN ELECTROCHEMICAL NOISE SIGNAL BY A BIOCORROSION SYSTEM.  Fractals, <b>2004</b> , 12, 347-354	3.2	6
857	DETECTION OF ATMOSPHERIC TURBULENCE BY MULTIFRACTAL ANALYSIS USING WAVELETS. Fractals, <b>2004</b> , 12, 211-221	3.2	2
856	MULTISCALE TREND ANALYSIS. <i>Fractals</i> , <b>2004</b> , 12, 275-292	3.2	14
855	Non-Gaussian Statistics of Atmospheric Turbulence and Related Effects on Aircraft Loads. <b>2004</b> , 42, 24	138-244	<b>17</b> 7
854	Fractal analysis of highly volatile markets: an application to technology equities. <b>2004</b> , 44, 155-179		35
853	Maritime businesses: volatile stock prices and market valuation inefficiencies. <b>2004</b> , 44, 321-336		14
852	Limit Lognormal Multifractal as an Exponential Functional. <b>2004</b> , 116, 1491-1520		9
851	Generalizing the wavelet-based multifractal formalism to random vector fields: application to three-dimensional turbulence velocity and vorticity data. <i>Physical Review Letters</i> , <b>2004</b> , 93, 044501	7-4	48
850	Framework based on stochastic L-Systems for modeling IP traffic with multifractal behavior. <b>2004</b> , 27, 1799-1811		2

#### (2005-2004)

849	Mono- and multi-fractal investigation of scaling properties in temporal patterns of seismic sequences. <i>Chaos, Solitons and Fractals</i> , <b>2004</b> , 19, 1-15	9.3	96
848	Locally constrained synthetic LoDs generation for natural terrain meshes. <b>2004</b> , 20, 1375-1387		2
847	Turbulence in magnetized plasmas and financial markets: comparative study of multifractal statistics. <b>2004</b> , 344, 299-307		6
846	Multifractal features in short-term time dynamics of ULF geomagnetic field measured in Crete, Greece. <i>Chaos, Solitons and Fractals</i> , <b>2004</b> , 21, 273-282	9.3	10
845	Effect of rotating helical magnetic field on the turbulence fractal structure and transport in the tokamak edge plasma. <b>2004</b> , 44, S108-S117		28
844	Space-time scaling in high-intensity Tropical Ocean Global Atmosphere Coupled Ocean-Atmosphere Response Experiment (TOGA-COARE) storms. <b>2004</b> , 40,		42
843	Multifractal analysis of river networks: Sandbox approach. <b>2004</b> , 40,		37
842	Geometry and clustering of intense structures in isotropic turbulence. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 513, 111-133	3.7	140
841	Fractal-generated turbulence. Journal of Fluid Mechanics, 2004, 502, 65-87	3.7	58
840	Colloidal Aggregation in Two-Dimensions. <b>2004</b> , 113-209		
839	Investigating the multifractal properties of geoelectrical signals measured in southern Italy. <b>2004</b> , 29, 295-303		24
838	A Systemic Analysis of Multiscale Deep Convective Variability over the Tropical Pacific. <b>2004</b> , 17, 2736-2	2751	8
837	Turbulent Flows. <b>2004</b> , 319-355		
836	Regularity Analysis Applied to Well Log Data. <b>2005</b> , 63-82		6
835	Turbulence and Gravity Waves within an Upper-Level Front. 2005, 62, 3885-3908		73
834	Asymmetry and multifractality in finance with an application to option smiles. 2005,		
833	Self-scaling of turbulent energy dissipation correlators. <b>2005</b> , 337, 342-353		12
832	Diffusion on multifractals. <b>2005</b> , 63, e2043-e2056		12

831	Measurement of eddy diffusivity in bubble column and validation based on the intermittency models. <b>2005</b> , 60, 6146-6159	10
830	Stochastic processes for computer network traffic modeling. <b>2005</b> , 29, 1-23	41
829	Multifractality in TCP/IP traffic: the case against. <b>2005</b> , 48, 293-313	36
828	Wavelet series built using multifractal measures. <b>2005</b> , 341, 353-356	2
827	A class of multifractal semi-stable processes including LQy subordinators and Mandelbrot multiplicative cascades. <b>2005</b> , 341, 579-582	
826	Multifractal scaling of soil spatial variability. <b>2005</b> , 182, 291-303	69
825	On non-scale-invariant infinitely divisible cascades. <b>2005</b> , 51, 1063-1083	53
824	Multifractal characterization of Hong Kong air quality data. <b>2005</b> , 16, 1-12	30
823	Combining Multifractal Additive and Multiplicative Chaos. <b>2005</b> , 257, 473-497	19
822	Large Deviations for Countable to One Markov Systems. <b>2005</b> , 258, 455-474	6
821	Parallel cartoons of fractal models of finance. <b>2005</b> , 1, 179-192	7
820	Multifractal characterization of airborne geophysical data at the Oak Ridge facility. <b>2005</b> , 19, 227-240	12
819	Inside Singularity Sets of Random Gibbs Measures. <b>2005</b> , 120, 1101-1124	11
818	Multifractal Distribution of Eigenvalues and Eigenvectors from 2D Multiplicative Cascade Multifractal Fields. <b>2005</b> , 37, 915-927	20
817	References. <b>2005</b> , 317-328	
816	Multifractal of self-conformal measures. <b>2005</b> , 18, 2111-2133	6
815	Fractional Fourier Transform of Cantor Sets. <b>2005</b> , 22, 2316-2319	1
814	Multi-dimensional infinitely divisible cascades to model the statistics of natural images. <b>2005</b> ,	3

## (2006-2005)

813	Two correlation patterns as indicators for underlying dynamics of complex systems. <b>2005</b> , 71, 017103	6
812	Finite-size scaling of two-point statistics and the turbulent energy cascade generators. <b>2005</b> , 71, 026309	8
811	A unified approach to fractal dimensions. 2005,	32
810	Multiscaling statistical procedures for the exploration of biophysical couplings in intermittent turbulence. Part I. Theory. <b>2005</b> , 52, 1308-1324	16
809	Preservation of rainfall properties in stochastic disaggregation by a simple random cascade model. <b>2005</b> , 77, 137-151	102
808	The subtle nature of financial random walks. <b>2005</b> , 15, 26104	30
807	Does multifractal theory of turbulence have logarithms in the scaling relations?. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 542, 97	11
806	Cluster formation in complex multi-scale systems. <b>2005</b> , 461, 3089-3097	9
805	Super-diffusion via L᠓y lagrangian velocity processes. <b>2005</b> , 32, n/a-n/a	17
804	Wavelet leader based multifractal analysis.	9
803	Sleep-stage Characterization by Nonlinear EEG Analysis using Wavelet-based Multifractal Formalism. <b>2005</b> , 2005, 4526-9	6
803 802		5
	Formalism. <b>2005</b> , 2005, 4526-9	
802	Formalism. 2005, 2005, 4526-9  Electrostatic microdischarges on the surface of electrets. 2005, 38, 483-489	5
802	Electrostatic microdischarges on the surface of electrets. 2005, 38, 483-489  Onsager and the theory of hydrodynamic turbulence. 2006, 78, 87-135	5 279
802 801 800	Electrostatic microdischarges on the surface of electrets. 2005, 38, 483-489  Onsager and the theory of hydrodynamic turbulence. 2006, 78, 87-135  Extreme values and fat tails of multifractal fluctuations. 2006, 73, 066114  A speculative study of 23-order fractional Laplacian modeling of turbulence: some thoughts and	5 279 36
802 801 800	Electrostatic microdischarges on the surface of electrets. 2005, 38, 483-489  Onsager and the theory of hydrodynamic turbulence. 2006, 78, 87-135  Extreme values and fat tails of multifractal fluctuations. 2006, 73, 066114  A speculative study of 23-order fractional Laplacian modeling of turbulence: some thoughts and conjectures. 2006, 16, 023126	5 279 36 74

795	Hierarchical structures in a turbulent free shear flow. <i>Journal of Fluid Mechanics</i> , <b>2006</b> , 569, 259 3.7	11
794	Detrended fluctuation analysis for fractals and multifractals in higher dimensions. <b>2006</b> , 74, 061104	161
793	Multifractal Sierpinski carpets: Theory and application to upscaling effective saturated hydraulic conductivity. <i>Geoderma</i> , <b>2006</b> , 134, 240-252	44
79²	Mathematical modelling of leaching by irregular wetting fronts in chemically heterogeneous porous media. <i>Geoderma</i> , <b>2006</b> , 134, 267-273	3
791	Selfsimilarity of pedotaxa distributions at the planetary scale: A multifractal approach. <i>Geoderma</i> , <b>2006</b> , 134, 306-317	24
790	Multifractals, cloud radiances and rain. <b>2006</b> , 322, 59-88	73
7 <sup>8</sup> 9	Superdiffusion and multifractal statistics of edge plasma turbulence in fusion devices. <b>2006</b> , 46, S181-S191	34
788	Information of Structures in Galaxy Distribution. <b>2006</b> , 644, 678-686	1
787	A SPECULATIVE STUDY OF FRACTIONAL LAPLACIAN MODELING OF TURBULENCE. <b>2006</b> , 39, 442-447	
786	Multiscale Temporal Variability of Warm-Season Precipitation over North America: Statistical Analysis of Radar Measurements. <b>2006</b> , 63, 2355-2368	15
785	Conformal Random Geometry. <b>2006</b> , 83, 101-217	16
784	Study of Non-Statistical Fluctuations in Relativistic Nuclear Collisions. <b>2006</b> , 75, 064604	7
783	The origin and nature of seismic reflections of sharp-based shoreface deposits (upper Jurassic Siliciclastics, northern France). <b>2006</b> , 54, 211-236	5
782	Long-range dependencies in heart rate signalsEevisited. <b>2006</b> , 369, 632-644	42
781	2D growth processes: SLE and Loewner chains. <i>Physics Reports</i> , <b>2006</b> , 432, 115-221	142
780	A Markov model of financial returns. <b>2006</b> , 363, 393-403	13
779	Moment analysis and Zipf law. 2006, 30, 227-242	6
778	Multidimensional infinitely divisible cascades. <b>2006</b> , 51, 229-243	20

#### (2007-2006)

777	Land subsidence caused by groundwater exploitation in the Hangzhou-Jiaxing-Huzhou Plain, China. <b>2006</b> , 14, 1652-1665	29
776	Phase transitions for the multifractal analysis of self-similar measures. <b>2006</b> , 19, 1201-1217	18
775	Morphological Analysis of H i Features. II. Wavelet-based Multifractal Formalism. <b>2006</b> , 165, 512-550	62
774	Evidence of Strong Pion Fluctuation in Jet-Like Events in 32 SAgBr Interactions. 2006, 23, 815-818	8
773	Strong Self-Similar Fluctuations of Target Fragments in Ring-like Events in Ultra-Relativistic Nuclear Collision. <b>2006</b> , 23, 2944-2947	7
77²	Excitation energy dependence of pion fluctuation: an in-depth study. <b>2006</b> , 32, 1241-1251	4
771	Statistical self-similar properties of complex networks. <b>2006</b> , 73, 066102	18
770	A brief historical introduction to fractals and fractal geometry. <b>2006</b> , 37, 29-50	10
769	Multifractal dimension of Lagrangian turbulence. <i>Physical Review Letters</i> , <b>2006</b> , 96, 114503	21
768	Fixed-mass multifractal analysis of river networks and braided channels. <b>2006</b> , 74, 026101	16
767	A QUALITATIVE DESCRIPTION OF BOUNDARY LAYER WIND SPEED RECORDS. 2006, 06, L201-L213	8
766	On the existence and scaling of structure functions in turbulence according to the data. <b>2006</b> , 103, 4352-5	9
765	MULTIFRACTALITY AND MULTIFRACTAL PIONIC SPECIFIC HEAT IN NUCLEAR COLLISIONS TARGET EXCITATION DEPENDENCE. <i>Fractals</i> , <b>2007</b> , 15, 391-398	2
764	The Statistics of Supersonic Isothermal Turbulence. <b>2007</b> , 665, 416-431	408
763	Effects of finite probing windows on the interpretation of the multifractal properties of random walks. <b>2007</b> , 77, 40004	7
762	Target excitation dependence of pion fluctuation in relativistic heavy ion collision at 2.1 and 60 AGeV. <b>2007</b> , 75, 676-681	4
761	Advective transport in percolation clusters. <b>2007</b> , 75, 011124	4
760	Multifractal analysis of the Yellow River flows. <b>2007</b> , 16, 565-569	16

759	Multi-fractal analysis of highway traffic data. <b>2007</b> , 16, 365-373	26
758	The Hausdorff dimension of a class of random self-similar fractal trees. <b>2007</b> , 39, 708-730	1
757	Renewal of singularity sets of random self-similar measures. <b>2007</b> , 39, 162-188	2
756	Fractal dimension estimations of drainage network in the Carpathian <b>B</b> annonian system. <b>2007</b> , 58, 197-213	49
755	Infinitely divisible cascades to model the statistics of natural images. <b>2007</b> , 29, 2105-19	26
754	Dissipation and decay of fractal-generated turbulence. <b>2007</b> , 19, 105108	179
753	A multifractal analysis for Stern-Brocot intervals, continued fractions and Diophantine growth rates. <b>2007</b> , 2007,	14
75 <sup>2</sup>	Nonlinear Dynamics in Geosciences. 2007,	8
75 <sup>1</sup>	Bootstrap for Empirical Multifractal Analysis. <b>2007</b> , 24, 38-48	168
75°	Analysis and modeling of solute transport dynamics by breakdown coefficients and random cascades. <b>2007</b> , 43,	3
749	Precipitation of southwestern Canada: Wavelet, scaling, multifractal analysis, and teleconnection to climate anomalies. <b>2007</b> , 112,	90
748	Dynamical model and nonextensive statistical mechanics of liquid water path fluctuations in stratus clouds. <b>2007</b> , 112,	
747	Spatial disaggregation of bias-corrected GCM precipitation for improved hydrologic simulation: Ping River Basin, Thailand. <b>2007</b> , 11, 1373-1390	143
746	Fractality of emission of compound multiplicity in 12CAgBr interactions at 4.5A GeV. <b>2007</b> , 85, 385-392	5
745	Scaling and multifractal fields in the solid earth and topography. 2007, 14, 465-502	89
744	Multifractal imaging filtering and decomposition methods in space, Fourier frequency, and eigen domains. <b>2007</b> , 14, 293-303	46
743	A Unified Approach To Fractal Dimensions. <b>2007</b> , 1, 26-46	48
742	The Hausdorff dimension of a class of random self-similar fractal trees. <b>2007</b> , 39, 708-730	1

741	Body size and scale invariance: multifractals in invertebrate communities. 140-166	2
740	Rainfall stochastic disaggregation models: Calibration and validation of a multiplicative cascade model. <b>2007</b> , 30, 1301-1319	32
739	The singularity spectrum of LŪy processes in multifractal time. <b>2007</b> , 214, 437-468	31
738	Forecasting volatility and volume in the Tokyo Stock Market: Long memory, fractality and regime switching. <b>2007</b> , 31, 1808-1843	54
737	Mapping singularities with stream sediment geochemical data for prediction of undiscovered mineral deposits in Gejiu, Yunnan Province, China. <b>2007</b> , 32, 314-324	389
736	Influence of Dispersed Phase Viscosity on Drop Coalescence in Turbulent Flow. <b>2007</b> , 85, 721-729	19
735	Risk minimization through portfolio replication. <b>2007</b> , 57, 175-180	23
734	On causal stochastic equations for log-stable multiplicative cascades. <b>2007</b> , 58, 149-158	7
733	Functional Feynman-Kac Equations for Limit Lognormal Multifractals. <b>2007</b> , 127, 935-965	10
732	Heterogeneous ubiquitous systems in Rd and Hausdorff dimension. <b>2007</b> , 38, 467-515	19
731	Multi-scale and multi-fractal analysis of pressure fluctuation in slurry bubble column bed reactor. <b>2007</b> , 14, 696-700	3
730	Multifractal analysis of ITO thin films prepared by electron beam deposition method. <b>2008</b> , 254, 2168-2173	37
729	Intermittency Expansions for Limit Lognormal Multifractals. <b>2008</b> , 83, 265-280	13
728	On the Occurence of Extreme Events in Long-term Correlated and Multifractal Data Sets. <b>2008</b> , 165, 1195-1207	16
727	A multifractal formalism for vector-valued random fields based on wavelet analysis: application to turbulent velocity and vorticity 3D numerical data. <b>2008</b> , 22, 421-435	11
726	Scaling turbulent atmospheric stratification. I: Turbulence and waves. <b>2008</b> , 134, 277-300	25
725	Scaling turbulent atmospheric stratification. III: Spacelime stratification of passive scalars from lidar data. <b>2008</b> , 134, 317-335	24
724	Multifractal analysis of Chinese stock volatilities based on the partition function approach. <b>2008</b> , 387, 4881-4888	83

723	Continuous cascade models for asset returns. <b>2008</b> , 32, 156-199	65
722	Comprehensive multifractal analysis of turbulent velocity using the wavelet leaders. 2008, 61, 201-215	57
721	The effects of multifractality on the statistics of return intervals. <b>2008</b> , 161, 181-193	22
720	Variability in the scale properties of high-resolution precipitation data in the Alpine climate of Switzerland. <b>2008</b> , 44,	46
719	Anderson transitions. <b>2008</b> , 80, 1355-1417	1076
718	Twenty-five years of multifractals in fully developed turbulence: a tribute to Giovanni Paladin. <b>2008</b> , 41, 363001	63
717	Multifractal analysis of the evolution of simulated precipitation over France in a climate scenario. <b>2008</b> , 340, 431-440	38
716	Multifractality of self-avoiding walks on percolation clusters. <i>Physical Review Letters</i> , <b>2008</b> , 101, 125701 <sub>7-2</sub>	<b>4</b> 21
715	Multifractal detrended cross-correlation analysis for two nonstationary signals. 2008, 77, 066211	476
714	Scaling analyses of high-resolution dye tracer experiments / Analyses scalaires d'expfiences de trafige color haute reolution. <b>2008</b> , 53, 1286-1299	1
713	MULTIFRACTAL STRUCTURE OF NON-COMPACTLY SUPPORTED INFINITE MEASURES. <i>Fractals</i> , <b>2008</b> , 16, 209-226	2 1
712	MULTIFRAGMENTATIONS OF TARGETS AT SPS ENERGY EVIDENCE OF BOTH MONOFRACTALITY AND MULTIFRACTALITY. <i>Fractals</i> , <b>2008</b> , 16, 169-174	2 6
711	MULTIFRACTALITY AND LONG-RANGE DEPENDENCE OF ASSET RETURNS: THE SCALING BEHAVIOR OF THE MARKOV-SWITCHING MULTIFRACTAL MODEL WITH LOGNORMAL VOLATILITY COMPONENTS. <b>2008</b> , 11, 669-684	21
710	The Markov-Switching Multifractal Model of Asset Returns. <b>2008</b> , 26, 194-210	87
709	Linkages between Orographic Forcing and the Scaling Properties of Convective Rainfall in Mountainous Regions. <b>2008</b> , 9, 327-347	24
708	Pion fluctuation and its multiplicity dependence in ultrarelativistic nuclear collisions. 2008, 86, 751-761	2
707	The multifractal nature of heterogeneous sums of Dirac masses. 2008, 144, 707-727	6
706	Uncovering latent singularities from multifractal scaling laws in mixed asymptotic regime. Application to turbulence. <b>2008</b> , 82, 60007	24

#### (2009-2008)

705	Extended self-similarity of intermittent turbulence in edge magnetized plasmas. 2008, 48, 024014	26
704	Anomalous scaling and intermittency in three-dimensional synthetic turbulence. <b>2008</b> , 78, 016313	19
703	Modeling Local Scaling Properties for Multiscale Mapping. <b>2008</b> , 7, 525-532	51
702	Single- and Multiscale Remote Sensing Techniques, Multifractals, and MODIS-Derived Vegetation and Soil Moisture. <b>2008</b> , 7, 533-546	20
701	A Unified Approach To Fractal Dimensions. <b>2008</b> , 1, 62-85	5
700	The stochastic multiplicative cascade structure of deterministic numerical models of the atmosphere. <b>2009</b> , 16, 607-621	26
699	Improved moment scaling estimation for multifractal signals. <b>2009</b> , 16, 641-653	11
698	Some topics in fractional Brownian motion. <b>2009</b> , 1, 145-153	1
697	Investigating the multifractality of point precipitation in the Madeira archipelago. 2009, 16, 299-311	40
696	Large deviation theory for coin tossing and turbulence. <b>2009</b> , 80, 056302	3
695	Variability trend in the scale-free fluctuation of economic and market data. 2009, 79, 066104	
694	Computing the multifractal spectrum from time series: an algorithmic approach. <b>2009</b> , 19, 043129	18
693	Effect of return intervals on singular spectrum of financial time series. 2009,	
692	Knowledge Discovery in Spatial Data. <b>2009</b> ,	3
691	A PRIMER OF NEGATIVE TEST DIMENSIONS AND DEGREES OF EMPTINESS FOR LATENT SETS.  Fractals, 2009, 17, 1-14	8
690	Multifractality of Traffic Time Series. 2009,	
689	Concentration Estimation of Coastal Organic Substance by Complex Systems Theory. 2009,	
688	Quantitative estimate of pion fluctuation and its multiplicity dependence in nuclear collisions. <b>2009</b> , 79, 025102	4

687	The Effect of RainNo Rain Intermittency on the Estimation of the Universal Multifractals Model Parameters. <b>2009</b> , 10, 493-506	40
686	Multifractal Random Walks as Fractional Wiener Integrals. <b>2009</b> , 55, 3825-3846	15
685	Dynamics of Mandelbrot cascades. <b>2009</b> , 144, 615-631	3
684	Confidence intervals for the scaling function of multifractal random walks. <b>2009</b> , 79, 1186-1193	3
683	Fractal Strings and Multifractal Zeta Functions. <b>2009</b> , 88, 101-129	10
682	Second order properties of distribution tails and estimation of tail exponents in random difference equations. <b>2009</b> , 12, 361-400	6
681	KPZ in One Dimensional Random Geometry of Multiplicative Cascades. <b>2009</b> , 289, 653-662	51
680	Mellin Transform of the Limit Lognormal Distribution. <b>2009</b> , 288, 287-310	26
679	Numerical investigations of discrete scale invariance in fractals and multifractal measures. <b>2009</b> , 388, 2623-2639	14
678	R/S method for unevenly sampled time series: Application to detecting long-term temporal dependence of droplets transiting through a fixed spatial point in gasIlquid two-phase turbulent jets. <b>2009</b> , 388, 3345-3354	5
677	Energy exchange in fast optical soliton collisions as a random cascade model. <b>2009</b> , 373, 2734-2738	11
676	Wavelet leaders and bootstrap for multifractal analysis of images. <b>2009</b> , 89, 1100-1114	116
675	Transfer matrix method to study extensive air showers. <i>Chaos, Solitons and Fractals</i> , <b>2009</b> , 42, 253-255 9.3	3
674	Analysis and modeling of a campus wireless network TCP/IP traffic. <b>2009</b> , 53, 2674-2687	15
673	On multifractality and time subordination for continuous functions. <b>2009</b> , 220, 936-963	9
672	Fractal character of the distribution of surface potential irregularities in epitaxial n-GaAs (100). <b>2009</b> , 43, 551-556	11
671	Fractal geometry of the surface potential in electrochemically deposited platinum and palladium films. <b>2009</b> , 43, 1071-1077	14
670	Towards zeta functions and complex dimensions of multifractals. <b>2009</b> , 54, 545-559	13

669	Chaotic dynamics of super-diffusion revisited. <b>2009</b> , 36,		8
668	NON-CONCAVE MULTIFRACTAL SPECTRA WITH WAVELET LEADERS PROJECTION OF SIGNALS WITH AND WITHOUT CHIRPS. <i>Fractals</i> , <b>2009</b> , 17, 311-322	3.2	3
667	Multifractality of sunspot time series. 2009,		
666	Feedback trading and intermittent market turbulence. <b>2009</b> , 9, 477-489		1
665	Time scale and intensity dependency in multiplicative cascades for temporal rainfall disaggregation. <b>2009</b> , 45,		40
664	Atmospheric complexity or scale by scale simplicity?. <b>2009</b> , 36,		26
663	Vertical cascade structure of the atmosphere and multifractal dropsonde outages. 2009, 114,		15
662	Multifractal analysis of sunspot time series: the effects of the 11-year cycle and Fourier truncation. <b>2009</b> , 2009, P02066		62
661	Iterated Function Systems and Some Generalizations: Local Regularity Analysis and Multifractal Modeling of Signals. 301-332		2
660	Tropical cyclogenesis in a tropical wave critical layer: easterly waves. <b>2009</b> , 9, 5587-5646		254
659	Convergence of complex multiplicative cascades. <b>2010</b> , 20,		18
658	Uniform convergence for complex [0, 1]-martingales. <b>2010</b> , 20,		9
657	Multifractal analysis in a mixed asymptotic framework. <b>2010</b> , 20,		12
656	Mandelbrot, Benoit. <b>2010</b> ,		
655	Simultaneous Multifractal Analysis of the Branching and Visibility Measure on a Galton-Watson Tree. <b>2010</b> , 42, 226-245		2
654	CHARACTERIZING COMPLEXITY IN SOLAR MAGNETOGRAM DATA USING A WAVELET-BASED SEGMENTATION METHOD. <b>2010</b> , 717, 995-1005		22
653	Persistent scale free fluctuation in market recovery and recession. <b>2010</b> , 74, 279-289		
652	Multifractal Analysis of Complex Random Cascades. <b>2010</b> , 297, 129-168		14

651	Statistical properties of visibility graph of energy dissipation rates in three-dimensional fully developed turbulence. <b>2010</b> , 389, 2675-2681	118
650	Nonparametric reconstruction of a multifractal function from noisy data. <b>2010</b> , 146, 155-187	2
649	On the Limit Lognormal and Other Limit Log-Infinitely Divisible Laws. <b>2010</b> , 138, 890-911	6
648	Correlated Fractal Percolation and the Palis Conjecture. <b>2010</b> , 139, 307-325	1
647	Multifractal analysis of African monsoon rain fields, taking into account the zero rain-rate problem. <b>2010</b> , 389, 111-120	35
646	On the simulation of continuous in scale universal multifractals, part I: Spatially continuous processes. <b>2010</b> , 36, 1393-1403	37
645	Fractals meet fractals: self-avoiding random walks on percolation clusters. <b>2010</b> , 3, 1431-1435	7
644	A fractal comparison of real and Austrian business cycle models. <b>2010</b> , 389, 2244-2267	6
643	Analytical and numerical solutions of a one-dimensional fractional-in-space diffusion equation in a composite medium. <b>2010</b> , 216, 2248-2262	17
642	Is High-Frequency Trading Inducing Changes in Market Microstructure and Dynamics?. <b>2010</b> ,	6
641	Fractal Properties of Financial Time Series. <b>2010</b> , 439-440, 683-687	6
640	Interaction-dominant dynamics in human cognition: beyond 1/f(alpha) fluctuation. <b>2010</b> , 139, 436-63	169
639	Multifractal Analysis of Infinite Products of Stationary Jump Processes. <b>2010</b> , 2010, 1-26	
638	The graph and range singularity spectra of random wavelet series built from Gibbs measures. <b>2010</b> , 23, 1449-1475	1
637	An Evaluation of the Statistics of Rainfall Extremes in Rain Gauge Observations, and Satellite-Based and Reanalysis Products Using Universal Multifractals. <b>2010</b> , 11, 388-404	33
636	ANDERSON TRANSITIONS: CRITICALITY, SYMMETRIES AND TOPOLOGIES. <i>International Journal of Modern Physics B</i> , <b>2010</b> , 24, 1577-1620	14
635	The foreign exchange market: return distributions, multifractality, anomalous multifractality and the Epps effect. <b>2010</b> , 12, 105003	54
634	Towards a stochastic multi-point description of turbulence. <b>2010</b> , 12, 103046	30

# (2011-2010)

633	Fluctuating Asymmetry: Methods, Theory, and Applications. <b>2010</b> , 2, 466-540	237
632	Stochastic dynamical model of intermittency in fully developed turbulence. <b>2010</b> , 82, 047301	13
631	Topological phases of eternal inflation. <b>2010</b> , 81,	11
630	Rainfall generation. <b>2010</b> , 215-246	17
629	Intermittency of near-bottom turbulence in tidal flow on a shallow shelf. 2010, 115,	11
628	Horizontal cascade structure of atmospheric fields determined from aircraft data. <b>2010</b> , 115,	26
627	Stochastic qualifier of gel and glass transitions in laponite suspensions. <b>2010</b> , 81, 061404	13
626	Exploring the effects of the vegetation on passive tracer transport by using the multifractal analysis. <i>Geoderma</i> , <b>2010</b> , 160, 126-130	1
625	Towards a new synthesis for atmospheric dynamics: Spacelime cascades. <b>2010</b> , 96, 1-52	77
624	Multifractality, imperfect scaling and hydrological properties of rainfall time series simulated by continuous universal multifractal and discrete random cascade models. <b>2010</b> , 17, 697-714	52
623	Intermittency of surface-layer wind velocity series in the mesoscale range. <b>2010</b> , 81, 056308	28
622	Generalized fractal dimensions of laser Doppler flowmetry signals recorded from glabrous and nonglabrous skin. <b>2010</b> , 37, 2827-36	9
621	Dependence in Probability and Statistics. <b>2010</b> ,	3
620	QuaLe: A Quantum-Leap Inspired Model for Non-stationary Analysis of NoC Traffic in Chip Multi-processors. <b>2010</b> ,	27
619	Multifractal analysis for texture characterization: A new approach based on DWT. 2010,	9
618	Discrete wavelet for multifractal texture classification: application to medical ultrasound imaging. <b>2010</b> ,	3
617	Discerning a linkage between solar wind turbulence and ionospheric dissipation by a method of confined multifractal motions. <b>2011</b> , 116, n/a-n/a	13
616	Analysis of PDFs for energy transfer rates from 40963 DNS Derification of the scaling relation within MPDFT. <b>2011</b> , 12, N1	12

615	Random cascade driven rainfall disaggregation for urban hydrology: An evaluation of six models and a new generator. <b>2011</b> , 99, 563-578	39
614	Multiscaling properties of rain in the time domain, taking into account rain support biases. <b>2011</b> , 116,	38
613	Multifractality of complex networks. <b>2011</b> , 84, 036118	42
612	Rank ordering multifractal analysis of the auroral electrojet index. <b>2011</b> , 18, 277-285	14
611	The Russian school. 209-237	4
610	Robert H. Kraichnan. 329-372	10
609	Epilogue: a turbulence timeline. 426-434	
608	A multifractal analysis of mineralization characteristics of the Dayingezhuang disseminated-veinlet gold deposit in the Jiaodong gold province of China. <b>2011</b> , 40, 54-64	86
607	Multifractal detrending moving average analysis on the US Dollar exchange rates. 2011, 390, 3512-3523	83
606	Modified detrended fluctuation analysis based on empirical mode decomposition for the characterization of anti-persistent processes. <b>2011</b> , 390, 4388-4395	66
605	Random conformal weldings. <b>2011</b> , 207, 203-254	33
604	Virtual Super Resolution of Scale Invariant Textured Images Using Multifractal Stochastic Processes. <b>2011</b> , 39, 28-44	13
603	Multifractal Analysis of Inhomogeneous Bernoulli Products. <b>2011</b> , 142, 1105-1120	8
602	On the Estimation of the Large Deviations Spectrum. <b>2011</b> , 144, 1256-1283	24
601	Extrapolating the Fractal Characteristics of an Image Using Scale-Invariant Multiple-Point Statistics. <b>2011</b> , 43, 783-797	17
600	Wavelet-based multifractal analysis of 1-D and 2-D signals: New results. <b>2011</b> , 69, 3-15	23
599	Wavelets Techniques for Pointwise Anti-Htderian Irregularity. <b>2011</b> , 33, 41-75	7
598	Singularity Spectrum of Generic Hilder Regular Functions After Time Subordination. <b>2011</b> , 17, 457-485	2

597	Linearization effect in multifractal analysis: Insights from the Random Energy Model. <b>2011</b> , 240, 1245-1253	9
596	Large deviations for the local fluctuations of random walks. <b>2011</b> , 121, 2272-2302	3
595	Short-term forecasting of surface layer wind speed using a continuous random cascade model. <b>2011</b> , 14, 719-734	11
594	An M-Rice wind speed frequency distribution. <b>2011</b> , 14, 735-748	5
593	A stochastic framework for downscaling processes of spatial averages based on the property of spectral multiscaling and its statistical diagnosis on spatio-temporal rainfall fields. <b>2011</b> , 34, 990-1011	4
592	The graph and range singularity spectra of b-adic independent cascade functions. <b>2011</b> , 226, 4987-5017	2
591	Verification of the scaling relation within MPDFT by analyzing PDFs for energy dissipation rates out of 40963 DNS. <b>2011</b> , 390, 161-176	2
590	Multifractal moving average analysis and test of multifractal model with tuned correlations. <b>2011</b> , 390, 2637-2654	73
589	On spurious and corrupted multifractality: The effects of additive noise, short-term memory and periodic trends. <b>2011</b> , 390, 2480-2490	63
588	Multi-scale coding of genomic information: From DNA sequence to genome structure and function.  Physics Reports, <b>2011</b> , 498, 45-188	91
587		
307	A discrete log-normal process to sequentially generate a multifractal time series. <b>2011</b> , 2011, P12013	4
586	A discrete log-normal process to sequentially generate a multifractal time series. <b>2011</b> , 2011, P12013  Detecting oscillating singularities in multifractal analysis: Application to hydrodynamic turbulence. <b>2011</b> ,	5
	Detecting oscillating singularities in multifractal analysis: Application to hydrodynamic turbulence.	
586	Detecting oscillating singularities in multifractal analysis: Application to hydrodynamic turbulence. <b>2011</b> ,	5
586 585	Detecting oscillating singularities in multifractal analysis: Application to hydrodynamic turbulence. <b>2011</b> ,  Multifractal and higher-dimensional zeta functions. <b>2011</b> , 24, 259-276	5
586 585 584	Detecting oscillating singularities in multifractal analysis: Application to hydrodynamic turbulence. 2011,  Multifractal and higher-dimensional zeta functions. 2011, 24, 259-276  Multifractals in Weyl asymptotic distribution. 2011, 24, 2785-2811	5
586 585 584 583	Detecting oscillating singularities in multifractal analysis: Application to hydrodynamic turbulence.  2011,  Multifractal and higher-dimensional zeta functions. 2011, 24, 259-276  Multifractals in Weyl asymptotic distribution. 2011, 24, 2785-2811  MULTIFRACTALS, GENERALIZED SCALE INVARIANCE AND COMPLEXITY IN GEOPHYSICS. 2011, 21, 3417-3456	5 11 5 68

579	Nelkin scaling for the Burgers equation and the role of high-precision calculations. <b>2012</b> , 85, 015301	8
578	Multifractal analysis of self-similar processes. 2012,	3
577	WAVELET CHARACTERIZATIONS OF MULTI-DIRECTIONAL REGULARITY. <i>Fractals</i> , <b>2012</b> , 20, 245-256 3.2	3
576	A class of multifractal processes constructed using an embedded branching process. <b>2012</b> , 22,	3
575	Dimension result and KPZ formula for two-dimensional multiplicative cascade processes. 2012, 40,	1
574	Critical moment definition and estimation, for finite size observation of log-exponential-power law random variables. <b>2012</b> , 92, 2848-2865	5
573	Cosmic-ray composition with TACTIC telescope using Fractal and Wavelet analysis. 2012, 38, 12-17	1
572	Self-affine and ARX-models zonation of well logging data. <b>2012</b> , 391, 5208-5214	3
571	Influence of the zero-rainfall on the assessment of the multifractal parameters. 2012, 45, 13-25	26
570	Fractal and multifractal geometry: scaling symmetry and statistics. <b>2012</b> , 4, 249-274	
569	Random Fields with Multifractional Regularity Order on Heterogenous Fractal Domains. 2012, 30, 849-864	1
568	The thermodynamic formalism for the de Rham function: increment method. <b>2012</b> , 76, 431-445	
567	Eos, Transactions, American Geophysical Union Volume 93, Number 4, 24 January 2012. <b>2012</b> , 93, n/a-n/a	
566	Temporal dependence structure in weights in a multiplicative cascade model for precipitation. <b>2012</b> , 48,	13
566 565	· · · · · · · · · · · · · · · · · · ·	13
	<b>2012</b> , 48,	23
565	<b>2012</b> , 48,  Benoit B. Mandelbrot (1924 <b>2</b> 010). <b>2012</b> , 93, 44-44	

	A New Theoretical Approach of Wavelet-Based Multifractal Characterization of HF Channel Scattering Function: Theoretical and Physical Interpretations. <b>2012</b> , 50, 1736-1747		3
560	Multifractal analysis based on discrete wavelet for texture classification: Application to medical magnetic resonance imaging. <b>2012</b> ,		
559	Rainfall downscaling in time: theoretical and empirical comparison between multifractal and Hurst-Kolmogorov discrete random cascades. <b>2012</b> , 57, 1052-1066		39
558	Small-Scale Statistics and Structure of Turbulence (In the Light of High Resolution Direct Numerical Simulation. 1-42		1
557	Extreme Risk and Fractal Regularity in Finance. 2012,		2
556	Fractal fluctuations and complexity: current debates and future challenges. <b>2012</b> , 40, 485-500		44
555	Short-term Dependence in Time Series as an Index of Complexity: Example from the S&P-500 Index. <b>2012</b> , 5,		1
554	References. 167-175		
553	Joint Inversion of Fracture Model Properties for CO2Storage Monitoring or Oil Recovery History Matching. <b>2012</b> , 67, 221-235		16
552	Energy dissipation rate surrogates in incompressible NavierBtokes turbulence. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 697, 204-236	3.7	11
551	Analysis of topological properties in a seismic network. <b>2012</b> , 391, 2279-2285		10
550	Image Segmentation for Hydrothermal Alteration Mapping Using PCA and ConcentrationArea Fractal Model. <b>2013</b> , 22, 191-206		48
55° 549			48 38
	Fractal Model. <b>2013</b> , 22, 191-206		
549	Fractal Model. 2013, 22, 191-206  Gaussian Multiplicative Chaos and KPZ Duality. 2013, 323, 451-485		38
549 548	Gaussian Multiplicative Chaos and KPZ Duality. 2013, 323, 451-485  Discrimination of Sol and Gel states in an aging clay suspension. 2013, 423, 167-172		38
<ul><li>549</li><li>548</li><li>547</li></ul>	Gaussian Multiplicative Chaos and KPZ Duality. 2013, 323, 451-485  Discrimination of Sol and Gel states in an aging clay suspension. 2013, 423, 167-172  Lognormal ({star}) -scale invariant random measures. 2013, 155, 751-788  Predicting volatility using the Markov-switching multifractal model: Evidence from S&P 100 index		38 3 26

543	Multifractal formalisms of human behavior. <b>2013</b> , 32, 633-51	44
542	A New Binomial Conservative Multiplicative Cascade Approach for Network Traffic Modeling. 2013,	O
541	A New Network Traffic Modeling Based in Conservative Multiplicative Cascade with Weights Newton Binomial. <b>2013</b> , 11, 1143-1155	
540	A Tutorial on Multifractality, Cascades, and Interactivity for Empirical Time Series in Ecological Science. <b>2013</b> , 25, 1-62	78
539	Degeneracy and long-range correlations. <b>2013</b> , 23, 043109	17
538	A support vector machine based MSM model for financial short-term volatility forecasting. <b>2013</b> , 22, 21-28	17
537	Discrete Wavelet Transform-Based Multifractal Analysis. <b>2013</b> , 135-224	1
536	Flames in fractal grid generated turbulence. <b>2013</b> , 45, 061403	22
535	Self-similarity of rRNA secondary structures: A clue to RNA folding. <b>2013</b> , 392, 4937-4945	
534	Anomalous dispersion, renormalization groups, scaling laws and classification: A reflection on recent efforts. <b>2013</b> , 62, 207-214	3
533	Cascade-like and scaling behavior of wind velocity increments in the atmospheric surface layer. <b>2013</b> , 392, 5808-5816	6
532	An efficient 2D-WTMM and PNN approach to remove spurious radar echoes. <b>2013</b> ,	
531	Performance of multifractal detrended fluctuation analysis on short time series. <b>2013</b> , 87, 022918	36
530	The influence of center-of-mass movements on the variation in the structure of human postural sway. <b>2013</b> , 46, 484-90	25
529	Multifractal analysis by the large deviation spectrum to detect osteoporosis. 2013,	0
528	Large Deviation Multifractal Analysis of a Class of Additive Processes With Correlated Nonstationary Increments. <b>2013</b> , 21, 1309-1321	3
527	Multifractal analysis of validated wind speed time series. <b>2013</b> , 23, 013133	16
526	. 2013,	4

525 Multifractal analysis: Application to medical imaging. **2013**,

	DYNAMICS OF FRACTALITY AND PHASE TRANSITION IN MULTIPARTICLE PRODUCTION IN	
524	RELATIVISTIC NUCLEUS MUCLEUS COLLISIONS. 2013, 22, 1350033	1
523	A causal continuous-time stochastic model for the turbulent energy cascade in a helium jet flow. <b>2013</b> , 14, 1-26	11
522	RENYI FUNCTION FOR MULTIFRACTAL RANDOM FIELDS. Fractals, <b>2013</b> , 21, 1350009 3.2	10
521	Fractals. 2013,	2
520	Bunched black (and grouped grey) swans: Dissipative and non-dissipative models of correlated extreme fluctuations in complex geosystems. <b>2013</b> , 40, 402-410	6
519	Euler-Lagrange Equations on Cantor Sets. <b>2013</b> ,	
518	Circulation pattern based parameterization of a multiplicative random cascade for disaggregation of observed and projected daily rainfall time series. <b>2013</b> , 17, 2487-2500	12
517	Physical Modeling and Analysis of Rain and Clouds by Anisotropic Scaling Multiplicative Processes. <b>2013</b> , 9693-9714	1
516	References. 427-453	
515	Multifractal analyses of human response time: potential pitfalls in the interpretation of results. <b>2014</b> , 8, 523	2
514	Multiscaling and joint multiscaling description of the atmospheric wind speed and the aggregate power output from a wind farm. <b>2014</b> , 21, 379-392	47
513	Continuous multifractal models with zero values: a continuous \$beta \$-multifractal model. <b>2014</b> , 2014, P02008	7
512	Cascade Model. 2014,	
511	SELF-SIMILARITY PROPERTIES OF THE INDUSTRIAL COMPETITION NETWORKS. Fractals, 2014, 22, 1450002	3
510	Fractal dynamics in dexterous tool use: the case of hammering behavior of bead craftsmen. <b>2014</b> , 40, 218-31	18
509	Universal behavior of the interoccurrence times between losses in financial markets: independence of the time resolution. <b>2014</b> , 90, 062809	21
508	Multiplicative-cascade dynamics in pole balancing. <b>2014</b> , 89, 060903	10

507 Geometry and Analysis of Fractals. 2014,

506	The horizontal spacelime scaling and cascade structure of the atmosphere and satellite radiances. <b>2014</b> , 140-141, 95-114	11
505	Multifractal and long memory of humidity process in the Tarim River Basin. 2014, 28, 1383-1400	20
504	The Dimension of Projections of Fractal Percolations. <b>2014</b> , 154, 633-655	12
503	Flame surface statistics of constant-pressure turbulent expanding premixed flames. <b>2014</b> , 26, 045109	4
502	Multifractality in combustion noise: predicting an impending combustion instability. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 747, 635-655	123
501	Purely helical absolute equilibria and chirality of (magneto)fluid turbulence. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 739, 479-501	20
500	Analysis and modelling of rainfall fields at different resolutions in southern Italy. <b>2014</b> , 59, 1536-1558	13
499	Extending multifractal analysis to negative regularity: P-exponents and P-leaders. 2014,	6
498	Scaling and stochastic cascade properties of NEMO oceanic simulations and their potential value for GCM evaluation and downscaling. <b>2014</b> , 119, 6444-6460	3
497	Critical Mandelbrot Cascades. <b>2014</b> , 325, 685-711	17
496	Hausdorff and Packing Spectra, Large Deviations, and Free Energy for Branching Random Walks in ({mathbb{R}^d}). <b>2014</b> , 331, 139-187	9
495	On exact scaling log-infinitely divisible cascades. <b>2014</b> , 160, 521-565	10
494	Scaling range automated selection for wavelet leader multifractal analysis. <b>2014</b> , 105, 243-257	6
493	Ring-Like and Jet-Like Events in Ultra High-Energy Interactions Analysis in Terms of Multifractal Parameters. <b>2014</b> , 44, 368-379	
492	Scale invariance of biosystems: From embryo to community. <b>2014</b> , 45, 168-176	3
491	The origins of multifractality in financial time series and the effect of extreme events. <b>2014</b> , 87, 1	26
490	Diffusions of multiplicative cascades. <b>2014</b> , 124, 1141-1169	

489	The fine-structure of volatility feedback I: Multi-scale self-reflexivity. <b>2014</b> , 410, 174-195	17
488	VDROP: A comprehensive model for droplet formation of oils and gases in liquids - Incorporation of the interfacial tension and droplet viscosity. <b>2014</b> , 253, 93-106	94
487	Multifractality and long memory of a financial index. <b>2014</b> , 394, 226-234	32
486	Effects of Polymer Additives on Intermittency in Forced Homogeneous Isotropic Turbulence. 2014,	
485	Gaussian multiplicative chaos and applications: A review. <b>2014</b> , 11,	158
484	Levy multiplicative chaos and star scale invariant random measures. <b>2014</b> , 42,	12
483	- Wave-based frequency-domain methods. <b>2015</b> , 408-447	
482	Multifractal-cascade model for inertial and dissipation ranges based on the wavelet reconstruction method. <b>2015</b> , 92, 013010	2
481	Wavelet synthetic method for turbulent flow. <b>2015</b> , 92, 013011	2
480	Multifractal to monofractal evolution of the London street network. <b>2015</b> , 92, 062130	58
479	Basic properties of critical lognormal multiplicative chaos. <b>2015</b> , 43,	8
478	Analysis of the time structure of synchronization in multidimensional chaotic systems. <b>2015</b> , 120, 912-921	2
477	The anomalous scaling exponents of turbulence in general dimension from random geometry. <b>2015</b> , 2015, 1	14
476	Hyperspectral image analysis using multifractal attributes. 2015,	3
475	Complex coastal oceanographic fields can be described by universal multifractals. 2015, 120, 6253-6265	4
474	Spatial Modeling of Rainfall Patterns over the Ebro River Basin Using Multifractality and Non-Parametric Statistical Techniques. <b>2015</b> , 7, 6204-6227	6
473	Spatial random downscaling of rainfall signals in Andean heterogeneous terrain. 2015, 22, 383-402	7
472	Scaling Analysis of Ocean Surface Turbulent Heterogeneities from Satellite Remote Sensing: Use of 2D Structure Functions. <b>2015</b> , 10, e0126975	7

471	The Dynamics of Expected Returns: Evidence from Multi-Scale Time Series Modeling. 2015,	2
470	Modern network traffic modeling based on binomial multiplicative cascades. <b>2015</b> , 71, 1712-1735	2
469	A Bayesian approach for the joint estimation of the multifractality parameter and integral scale based on the Whittle approximation. <b>2015</b> ,	O
468	Demixing multivariate-operator self-similar processes. 2015,	4
467	Non-homogeneous volatility correlations in the bivariate multifractal model. <b>2015</b> , 21, 971-991	5
466	The Hausdorff spectrum of a class of multifractal processes. <b>2015</b> , 125, 1541-1568	1
465	Effect of quartz overgrowth precipitation on the multiscale porosity of sandstone: A (U)SANS and imaging analysis. <b>2015</b> , 158, 199-222	40
464	Difference based estimators and infill statistics. <b>2015</b> , 18, 1-31	
463	A new fractal dimension: The topological Hausdorff dimension. <b>2015</b> , 274, 881-927	21
462	The Scaling Linear Macroweather model (SLIM): using scaling to forecast global scale macroweather from months to decades. <b>2015</b> ,	7
461	Multifractal formalism for expanding rational semigroups and random complex dynamical systems. <b>2015</b> , 28, 2913-2938	7
460	Fractals as objects with nontrivial structures at all scales. <i>Chaos, Solitons and Fractals</i> , <b>2015</b> , 75, 218-242 9.3	2
459	High values of disorder-generated multifractals and logarithmically correlated processes. <i>Chaos, Solitons and Fractals,</i> <b>2015</b> , 74, 15-26	19
458	Detecting P2P botnet by analyzing macroscopic characteristics with fractal and information fusion. <b>2015</b> , 12, 107-117	4
457	Bayesian estimation of the multifractality parameter for image texture using a whittle approximation. <b>2015</b> , 24, 2540-51	6
456	Model and parameter uncertainty in IDF relationships under climate change. <b>2015</b> , 79, 127-139	46
455	Temporal Rainfall Disaggregation with a Cascade Model: From Single-Station Disaggregation to Spatial Rainfall. <b>2015</b> , 20, 04015026	24
454	Computer simulation of the interplay between fractal structures and surrounding heterogeneous multifractal distributions. Applications. <b>2015</b> , 118, 293-301	

453	Wavelet Transforms and Their Applications. 2015,	49
452	The Coefficient Problem and Multifractality of Whole-Plane SLE & LLE. <i>Annales Henri Poincare</i> , <b>2015</b> , 16, 1311-1395	6
451	Multifractal formalism by enforcing the universal behavior of scaling functions. 2015, 417, 150-167	36
450	The collective birth of multifractals. <b>2016</b> , 49, 451002	5
449	Making rainfall features fun: scientific activities for teaching children aged 5🛭 2 years. <b>2016</b> , 20, 1751-1763	1
448	. 2016,	2
447	Fractional-in-time and multifractional-in-space stochastic partial differential equations. <b>2016</b> , 19, 1434-1459	9
446	Using multifractals to evaluate oceanographic model skill. <b>2016</b> , 121, 5487-5500	2
445	References. 185-201	
444	Focused-based multifractal analysis of the wake in a wind turbine array utilizing proper orthogonal decomposition. <b>2016</b> , 8, 063306	18
443	p-exponent and p-leaders, Part I: Negative pointwise regularity. <b>2016</b> , 448, 300-318	27
442	p-exponent and p-leaders, Part II: Multifractal analysis. Relations to detrended fluctuation analysis. <b>2016</b> , 448, 319-339	24
441	On the measurement and treatment of extremes in time series. <b>2016</b> , 19, 467-490	4
440	DYNAMICAL ANALYSES USING VISIBILITIES IN FINANCIAL MARKETS. <i>Fractals</i> , <b>2016</b> , 24, 1650016 3.2	8
439	Fractal scaling in bottlenose dolphin (Tursiops truncatus) echolocation: A case study. <b>2016</b> , 443, 221-230	4
438	MIXED MULTIFRACTAL ANALYSIS FOR FUNCTIONS: GENERAL UPPER BOUND AND OPTIMAL RESULTS FOR VECTORS OF SELF-SIMILAR OR QUASI-SELF-SIMILAR OF FUNCTIONS AND THEIR 3.2 SUPERPOSITIONS. <i>Fractals</i> , <b>2016</b> , 24, 1650039	2
437	Multifractality in fidelity sequences of optimized Toffoli gates. <b>2016</b> , 15, 4501-4520	2
436	ON A GENERALIZED SELF-SIMILARITY IN THE p-ADIC FIELD. <i>Fractals</i> , <b>2016</b> , 24, 1650041 3.2	3

435	Separation of a geochemical anomaly from background by fractal and U-statistic methods, a case study: Khooni district, Central Iran. <b>2016</b> , 76, 491-499	7
434	Large-deviation statistics of vorticity stretching in isotropic turbulence. <b>2016</b> , 93, 033118	11
433	Self-similar continuous cascades supported by random Cantor sets: Application to rainfall data. <b>2016</b> , 93, 052305	7
432	A Bayesian approach for the multifractal analysis of spatio-temporal data. <b>2016</b> ,	
431	Random Cascade Model for Surface Wind Speed. <b>2016</b> , 153-162	1
430	Analysis of phase synchronization of chaotic oscillations in terms of symbolic CTQ-analysis. <b>2016</b> , 61, 265-273	O
429	Mixed Wavelet Leaders Multifractal Formalism for Baire Generic Functions in a Product of Intersections of Htder Spaces with Non-Continuous Besov Spaces. <b>2016</b> , 13, 5093-5118	3
428	Investment time horizon and multifractality of stock price process. <b>2016</b> , 13, 481-496	
427	New method of analysis for TeV gamma-ray data collected by the TACTIC telescope. <b>2016</b> , 42, 229-247	
426	Towards rigorous analysis of the LevitovMirlinEvers recursion. <b>2016</b> , 29, 3871-3896	
	10 val as rigorous analysis of the Levicovilli animavers recarsion. <b>2010</b> , 25, 3011 3050	4
425	Baire Typical Results for Mixed Hider Spectra on Product of Continuous Besov or Oscillation Spaces. <b>2016</b> , 13, 1513-1533	7
	Baire Typical Results for Mixed Hilder Spectra on Product of Continuous Besov or Oscillation	
425	Baire Typical Results for Mixed Hilder Spectra on Product of Continuous Besov or Oscillation Spaces. <b>2016</b> , 13, 1513-1533  Hydrothermal mineralising systems as chemical reactors: Wavelet analysis, multifractals and	7
425 424	Baire Typical Results for Mixed Hilder Spectra on Product of Continuous Besov or Oscillation Spaces. <b>2016</b> , 13, 1513-1533  Hydrothermal mineralising systems as chemical reactors: Wavelet analysis, multifractals and correlations. <b>2016</b> , 79, 155-179	7
425 424 423	Baire Typical Results for Mixed Hilder Spectra on Product of Continuous Besov or Oscillation Spaces. 2016, 13, 1513-1533  Hydrothermal mineralising systems as chemical reactors: Wavelet analysis, multifractals and correlations. 2016, 79, 155-179  Fractal Grid Generated Turbulence Bridge to Practical Combustion Applications. 2016, 75-102	7 19 3
425 424 423 422	Baire Typical Results for Mixed Hilder Spectra on Product of Continuous Besov or Oscillation Spaces. 2016, 13, 1513-1533  Hydrothermal mineralising systems as chemical reactors: Wavelet analysis, multifractals and correlations. 2016, 79, 155-179  Fractal Grid Generated Turbulence Bridge to Practical Combustion Applications. 2016, 75-102  Odderon and pomeron as fractal dimension in pp and p p total cross-sections. 2016, 31, 1650066  Forecasting crude oil price volatility and value-at-risk: Evidence from historical and recent data.	7 19 3
425 424 423 422 421	Baire Typical Results for Mixed Hilder Spectra on Product of Continuous Besov or Oscillation Spaces. 2016, 13, 1513-1533  Hydrothermal mineralising systems as chemical reactors: Wavelet analysis, multifractals and correlations. 2016, 79, 155-179  Fractal Grid Generated Turbulence Bridge to Practical Combustion Applications. 2016, 75-102  Odderon and pomeron as fractal dimension in pp and p p total cross-sections. 2016, 31, 1650066  Forecasting crude oil price volatility and value-at-risk: Evidence from historical and recent data. 2016, 56, 117-133	7 19 3

RETRACTED: Feature extraction from hyperspectral data under the support of fractal signal algorithm. **2016**, 49, 654-662

416	Feature of topological properties in an earthquake network. <b>2016</b> , 442, 268-275	3
415	Bubble generated turbulence and direct numerical simulations. <b>2017</b> , 157, 26-75	32
414	Generalized Method of Moment estimation of multivariate multifractal models. <b>2017</b> , 67, 136-148	5
413	Unveiling the multi-fractal structure of complex networks. <i>Chaos, Solitons and Fractals</i> , <b>2017</b> , 97, 11-14 9.3	18
412	Multifractality in individual honeybee behavior hints at colony-specific social cascades: Reanalysis of radio-frequency identification data from five different colonies. <b>2017</b> , 95, 022402	7
411	Grain size distribution for identifying the depositional microfacies of sediments in Luan River catchment. <b>2017</b> , 10, 1	2
410	Differentiability of L-spectrum and multifractal decomposition by using infinite graph-directed IFSs. <b>2017</b> , 311, 190-237	5
409	A theoretically consistent stochastic cascade for temporal disaggregation of intermittent rainfall. <b>2017</b> , 53, 4586-4605	31
408	Effective coefficients of quasi-steady Maxwell equations with multiscale isotropic log-stable conductivity. <b>2017</b> , 31, 850-866	
407	Modeling and forecasting the volatility of carbon dioxide emission allowance prices: A review and comparison of modern volatility models. <b>2017</b> , 69, 692-704	45
406	Multifractal analysis of non-uniformly contracting iterated function systems. <b>2017</b> , 30, 1708-1733	2
405	Probability Distribution of Turbulent Kinetic Energy Dissipation Rate in Ocean: Observations and Approximations. <b>2017</b> , 122, 8293-8308	11
404	Structure Function and Fractal Dissipation for an Intermittent Inviscid Dyadic Model. <b>2017</b> , 356, 231-260	6
403	Intermittency as a transition to turbulence in pipes: A long tradition from Reynolds to the 21st century. <b>2017</b> , 345, 642-659	4
402	Multivariate Hadamard self-similarity: Testing fractal connectivity. <b>2017</b> , 356-357, 1-36	13
401	Dynamic characteristics of a continuous optimization method based on fictitious play theory. <b>2017</b> , 70, 880-890	
400	Multivariate scale-free dynamics: Testing fractal connectivity. 2017,	2

399	Testing the Beta-Lognormal Model in Amazonian Rainfall Fields Using the Generalized Space q-Entropy. <b>2017</b> , 19, 685	3
398	Multifractal Analysis of Hydrologic Data Using Wavelet Methods and Fluctuation Analysis. <b>2017</b> , 2017, 1-18	6
397	Log-Normal Turbulence Dissipation in Global Ocean Models. <i>Physical Review Letters</i> , <b>2018</b> , 120, 094501 $_{7.4}$	32
396	Scale Invariance. <b>2018</b> , 103-175	
395	Developing hourly intensity duration frequency curves for urban areas in India using multivariate empirical mode decomposition and scaling theory. <b>2018</b> , 32, 1889-1902	16
394	Fractal Singularity <b>B</b> ased Multiobjective Monitoring Networks for Reactive Species Contaminant Source Characterization. <b>2018</b> , 144, 04018021	4
393	Geometry and scaling laws of excursion and iso-sets of enstrophy and dissipation in isotropic turbulence. <b>2018</b> , 19, 297-321	О
392	Multifractal dynamics of resting-state functional connectivity in the prefrontal cortex. <b>2018</b> , 39, 024003	17
391	Assessing hydrological impacts of climate change using bias-corrected downscaled precipitation in Mae Klong basin of Thailand. <b>2018</b> , 25, 384-393	5
390	A tour of inequality. <b>2018</b> , 389, 306-332	21
389	Differentiability and Hider spectra of a class of self-affine functions. <b>2018</b> , 328, 1-39	3
388	The Assouad dimension of randomly generated fractals. <b>2018</b> , 38, 982-1011	8
387	Pandora Box of Multifractals: Barely Open?. <b>2018</b> , 543-563	2
386	Detrended fluctuation analysis for spatial characterisation of landscapes. <b>2018</b> , 168, 14-25	4
385	An algorithm for computing non-concave multifractal spectra using the SIspaces. <b>2018</b> , 56, 526-543	1
384	Projections of planar Mandelbrot random measures. <b>2018</b> , 325, 640-718	2
383	Digital Manufacturing Security Indicators. <b>2018</b> , 52, 1150-1159	23
382	The Fractal Characteristics of the Landslides by Box-Counting and P-A Model. <b>2018</b> , 301, 012142	

381	Entropy. <b>2018</b> , 2018, 1-15	1
380	A Less Invasive Approach to Rheology Measurements. <b>2018</b> , 11,	1
379	Assessing Cross-Dependencies Using Bivariate Multifractal Analysis. 2018,	4
378	Assouad-type spectra for some fractal families. <b>2018</b> , 67, 2005-2043	8
377	Multiplicative random cascades with additional stochastic process in financial markets. <b>2018</b> , 15, 515-529	3
376	BOUNDS ON THE SUPPORT OF THE MULTIFRACTAL SPECTRUM OF STOCHASTIC PROCESSES.  Fractals, 2018, 26, 1850055	2
375	TEMPORAL RAINFALL DISAGGREGATION BY A SIMPLE RANDOM CASCADE MODEL. <b>2018</b> , 80,	2
374	Multifractal Characterization for Bivariate Data. 2018,	3
373	Fractal dimensions and trajectory crossings in correlated random walks. <b>2018</b> , 98,	1
372	Percolation based tissue modeling. 2018,	
37 <sup>2</sup>	Percolation based tissue modeling. 2018,  Multifractal Analysis Reveals Decreased Non-linearity and Stronger Anticorrelations in Heart Period Fluctuations of Fibromyalgia Patients. 2018, 9, 1118	9
	Multifractal Analysis Reveals Decreased Non-linearity and Stronger Anticorrelations in Heart Period	9
371	Multifractal Analysis Reveals Decreased Non-linearity and Stronger Anticorrelations in Heart Period Fluctuations of Fibromyalgia Patients. <b>2018</b> , 9, 1118  Bringing the Nonlinearity of the Movement System to Gestural Theories of Language Use: Multifractal Structure of Spoken English Supports the Compensation for Coarticulation in Human	9 5 11
37 <sup>1</sup> 37 <sup>0</sup>	Multifractal Analysis Reveals Decreased Non-linearity and Stronger Anticorrelations in Heart Period Fluctuations of Fibromyalgia Patients. <b>2018</b> , 9, 1118  Bringing the Nonlinearity of the Movement System to Gestural Theories of Language Use: Multifractal Structure of Spoken English Supports the Compensation for Coarticulation in Human Speech Perception. <b>2018</b> , 9, 1152  Multifractal evidence of nonlinear interactions stabilizing posture for phasmids in windy conditions:	5
371 370 369	Multifractal Analysis Reveals Decreased Non-linearity and Stronger Anticorrelations in Heart Period Fluctuations of Fibromyalgia Patients. <b>2018</b> , 9, 1118  Bringing the Nonlinearity of the Movement System to Gestural Theories of Language Use: Multifractal Structure of Spoken English Supports the Compensation for Coarticulation in Human Speech Perception. <b>2018</b> , 9, 1152  Multifractal evidence of nonlinear interactions stabilizing posture for phasmids in windy conditions: A reanalysis of insect postural-sway data. <b>2018</b> , 13, e0202367	5 11 52809
371 370 369 368	Multifractal Analysis Reveals Decreased Non-linearity and Stronger Anticorrelations in Heart Period Fluctuations of Fibromyalgia Patients. 2018, 9, 1118  Bringing the Nonlinearity of the Movement System to Gestural Theories of Language Use: Multifractal Structure of Spoken English Supports the Compensation for Coarticulation in Human Speech Perception. 2018, 9, 1152  Multifractal evidence of nonlinear interactions stabilizing posture for phasmids in windy conditions: A reanalysis of insect postural-sway data. 2018, 13, e0202367  Rainfall disaggregation for hydrological modeling: is there a need for spatial consistence?. 2018, 22, 5259-5  Small-scale structure and energy transfer in homogeneous turbulence. <i>Journal of Fluid Mechanics</i> ,	5 11 52809
371 370 369 368 367	Multifractal Analysis Reveals Decreased Non-linearity and Stronger Anticorrelations in Heart Period Fluctuations of Fibromyalgia Patients. 2018, 9, 1118  Bringing the Nonlinearity of the Movement System to Gestural Theories of Language Use: Multifractal Structure of Spoken English Supports the Compensation for Coarticulation in Human Speech Perception. 2018, 9, 1152  Multifractal evidence of nonlinear interactions stabilizing posture for phasmids in windy conditions: A reanalysis of insect postural-sway data. 2018, 13, e0202367  Rainfall disaggregation for hydrological modeling: is there a need for spatial consistence?. 2018, 22, 5259-5  Small-scale structure and energy transfer in homogeneous turbulence. Journal of Fluid Mechanics, 2018, 854, 505-543	5 11 52809 15 16

363	Multifractal Desynchronization of the Cardiac Excitable Cell Network During Atrial Fibrillation. I. Multifractal Analysis of Clinical Data. <b>2017</b> , 8, 1139	2
362	Multifractal Analysis of High-Frequency Temperature Time Series in the Urban Environment. <b>2018</b> , 6, 50	6
361	Wavelet eigenvalue regression for n-variate operator fractional Brownian motion. 2018, 168, 75-104	5
360	Spectra, intermittency, and extremes of weather, macroweather and climate. <b>2018</b> , 8, 12697	14
359	Multifractal Analysis of Multivariate Images Using Gamma Markov Random Field Priors. 2018, 11, 1294-1316	2
358	Testing for the source of multifractality in water level records. <b>2018</b> , 508, 824-839	12
357	On Wavelet and Leader Wavelet Based Large Deviation Multifractal Formalisms for Non-uniform Hilder Functions. <b>2019</b> , 25, 506-522	О
356	Weak and Strong Solutions of the 3D NavierBtokes Equations and Their Relation to a Chessboard of Convergent Inverse Length Scales. <b>2019</b> , 29, 215-228	7
355	Probability Distribution of Turbulent Kinetic Energy Dissipation Rate in Stratified Turbulence: Microstructure Measurements in the Southern California Bight. <b>2019</b> , 124, 4591-4604	4
354	Theoretical Predictability Limits of Spatially Anisotropic Multifractal Processes: Implications for Weather Prediction. <b>2019</b> , 6, 1067-1080	2
353	Multifractal analysis of diurnal temperature range over Southern Spain using validated datasets. <b>2019</b> , 29, 063105	5
352	Irregular dynamics of cellular blood flow in a model microvessel. <b>2019</b> , 100, 012203	
351	Multifractal analysis of financial markets: a review. <b>2019</b> , 82, 125901	86
350	Circulation in High Reynolds Number Isotropic Turbulence is a Bifractal. <b>2019</b> , 9,	9
349	Multifractal analysis to study break points in temperature data sets. <b>2019</b> , 29, 093116	3
348	Density and tracer statistics in compressible turbulence: Phase transition to multifractality. <b>2019</b> , 100, 023111	3
347	Multifractality of open quantum systems. <b>2019</b> , 100, 032223	5
346	Multifractal formalisms for multivariate analysis. <b>2019</b> , 475, 20190150	3

345	The Turbulence Problem. <b>2019</b> ,	Ο
344	Visibility graphs of ground-level ozone time series: A multifractal analysis. <b>2019</b> , 661, 138-147	18
343	Exact dimensionality and projection properties of Gaussian multiplicative chaos measures. <b>2019</b> , 372, 2921-2957	1
342	Directional Thermodynamic Formalism. <b>2019</b> , 11, 825	
341	Are cross-correlations between Turkish Stock Exchange and three major country indices multifractal or monofractal?. <b>2019</b> , 525, 978-990	4
340	Maximum-entropy Scattering Models for Financial Time Series. 2019,	3
339	SST Dynamics at Different Scales: Evaluating the Oceanographic Model Resolution Skill to Represent SST Processes in the Southern Ocean. <b>2019</b> , 124, 2546-2570	2
338	Multifractal characterization of meteorological drought in India using detrended fluctuation analysis. <b>2019</b> , 39, 4234-4255	18
337	Multifractality of posture modulates multisensory perception of stand-on-ability. <b>2019</b> , 14, e0212220	8
336	Porosities of Mandelbrot Percolation. <b>2019</b> , 32, 608-632	
335	Multifractal and Chaotic Properties of Solar Wind at MHD and Kinetic Domains: An Empirical Mode Decomposition Approach. <b>2019</b> , 21,	24
334	Continuous cascades in the wavelet space as models for synthetic turbulence. <b>2019</b> , 99, 042113	5
333	Multifractality of ab initio wave functions in doped semiconductors. 2019, 111, 141-147	6
332	Cancellation exponents in isotropic turbulence and magnetohydrodynamic turbulence. <b>2019</b> , 99, 023102	4
331	Studying Multifractality in C.elegans sequences based on multi order FCGR Images. 2019,	1
330	Simulating Multifractal Signals for Risk Assessment. <b>2019</b> ,	
329	Convex integration and phenomenologies in turbulence. <b>2019</b> , 6, 173-263	28
328	Spiky fluctuations and scaling in high-resolution EPICA ice core dust fluxes. <b>2019</b> , 15, 1999-2017	4

327	RByi Thermodynamics as a Mandatory Basis to Model the Evolution of a Protoplanetary Gas <b>D</b> ust Disk with a Fractal Structure. <b>2019</b> , 53, 443-461		4
326	Non-linear Amplification of Variability Through Interaction Across Scales Supports Greater Accuracy in Manual Aiming: Evidence From a Multifractal Analysis With Comparisons to Linear Surrogates in the Fitts Task. <b>2019</b> , 10, 998		12
325	Multifractal Analysis of River Networks in an Urban Catchment on the Taihu Plain, China. <b>2019</b> , 11, 2283		4
324	Exogenous shock and multifractal random walk. <b>2019</b> , 16, 213-238		1
323	A Generalized Multifractal Formalism for the Estimation of Nonconcave Multifractal Spectra. <i>IEEE Transactions on Signal Processing</i> , <b>2019</b> , 67, 110-119	}	2
322	Multivariate multifractal analysis. <b>2019</b> , 46, 653-663		7
321	Wavelet p-Leader Non Gaussian Multiscale Expansions for Heart Rate Variability Analysis in Congestive Heart Failure Patients. <b>2019</b> , 66, 80-88		11
320	Multifractal analysis of ZnO nanoparticles. <b>2020</b> , 106, 110177		4
319	Volatility forecasting with bivariate multifractal models. <b>2020</b> , 39, 155-167		5
318	Large and moderate deviations for a -valued branching random walk with a random environment in time. <b>2020</b> , 92, 944-968		1
317	On Fractional Lly Processes: Tempering, Sample Path Properties and Stochastic Integration. <b>2020</b> , 178, 954-985		6
316	Multifractal formalism for generalised local dimension spectra of Gibbs measures on the real line. <b>2020</b> , 491, 124246		
315	Model of Continuous Random Cascade Processes in Financial Markets. <b>2020</b> , 8,		
314	Fractality and Multifractality in a Stock Market Nonstationary Financial Time Series. 2020, 77, 186-196		1
313	A relative multifractal analysis. <i>Chaos, Solitons and Fractals</i> , <b>2020</b> , 140, 110091	<b>i</b>	9
312	Investigation of wakes generated by fractal plates in the compressible flow regime using large-eddy simulations. <b>2020</b> , 32, 105106		3
311	Bridging inertial and dissipation range statistics in rotating turbulence. <b>2020</b> , 32, 095104		2
310	Exploring Finite-Sized Scale Invariance in Stochastic Variability with Toy Models: The Ornstein Uhlenbeck Model. <b>2020</b> , 12, 1927		

309	Joint Multifractal Analysis and Source Testing of River Level Records Based on Multifractal Detrended Cross-Correlation Analysis. <b>2020</b> , 2020, 1-13	2
308	Self-similar segmentation and multifractality of post-stack seismic data. 2020, 47, 781-790	1
307	Multifractal Cross Correlation Analysis of Agro-Meteorological Datasets (Including Reference Evapotranspiration) of California, United States. <i>Atmosphere</i> , <b>2020</b> , 11, 1116	1
306	On Tail Dependence and Multifractality. <b>2020</b> , 8, 1767	
305	Hausdorff and packing dimensions of Mandelbrot measure. <b>2020</b> , 31, 2050068	О
304	The pointwise Htder spectrum of general self-affine functions on an interval. <b>2020</b> , 488, 124096	
303	Branched crack patterns in layers of Laponite dried under electric fields: Evidence of power-laws and fractal scalin>. <b>2020</b> , 43, 33	О
302	Inference for Nonlinear State Space Models: A Comparison of Different Methods applied to Markov-Switching Multifractal Models. <b>2020</b> , 21, 69-69	1
301	Approximate multifractal correlation and products of universal multifractal fields, with application to rainfall data. <b>2020</b> , 27, 133-145	O
300	Non-perturbative Renormalization Group Approach to Some Out-of-Equilibrium Systems. <b>2020</b> ,	
299	Applications of directional wavelets, Universal Multifractals and anisotropic scaling in ensemble nowcasting; a review of methods with case-studies. <b>2020</b> , 146, 2066-2095	1
298	The Structure of Climate Variability Across Scales. <b>2020</b> , 58, e2019RG000657	26
297	Generalized Sub-Gaussian Processes: Theory and Application to Hydrogeological and Geochemical Data. <b>2020</b> , 56, e2020WR027436	4
296	Multifractal analysis of flame dynamics during transition to thermoacoustic instability in a turbulent combustor. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 888,	11
295	Temporal rainfall disaggregation using a micro-canonical cascade model: possibilities to improve the autocorrelation. <b>2020</b> , 24, 169-188	3
294	Spatial Diagnosis of Rain GaugesDistribution and Flood Impacts: Case Study in Itaperuna, Rio de Janeiro <b>B</b> razil. <b>2020</b> , 12, 1120	3
293	A Century of Turbulent Cascades and the Emergence of Multifractal Operators. <b>2020</b> , 7, e2019EA000608	5
292	Heterogeneous investment horizons, risk regimes, and realized jumps. <b>2021</b> , 26, 617-643	3

291	SPOCUEscaled polynomial constant unit activation function. 2021, 33, 3385-3401		42
<b>2</b> 90	Multifractal characterisation of particulate matter (PM10) time series in the Caribbean basin using visibility graphs. <b>2021</b> , 12, 100-110		9
289	Hydrological Extremes. <b>2021</b> ,		O
288	Long-range correlations of soil water content time series under tillage and different cover crops in a semi-arid vineyard. <b>2021</b> , 72, 623-634		1
287	Low complexity model to study scale dependence of phytoplankton dynamics in the tropical Pacific. <b>2021</b> , 103, 012401		
286	Visualizing the multifractal wave functions of a disordered two-dimensional electron gas. <b>2021</b> , 3,		O
285	Brownian Loops, Layering Fields and Imaginary Gaussian Multiplicative Chaos. <b>2021</b> , 381, 889-945		1
284	Multifractal analysis of eigenvectors of small-world networks. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 144, 110745	9.3	1
283	Quantifying air water turbulence with moment field equations. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 917,	3.7	1
282	Noncommutative Probability and Multiplicative Cascades. <b>2021</b> , 36,		
281	Numerical Considerations for Quantifying Air Water Turbulence with Moment Field Equations. <b>2021</b> , 3, 319		1
280	Multivariate multifractal formalism for simultaneous pointwise regularities. 1-26		
280 279			O
	Multivariate multifractal formalism for simultaneous pointwise regularities. 1-26		0
279	Multivariate multifractal formalism for simultaneous pointwise regularities. 1-26  Dimensions of random statistically self-affine Sierpinski sponges in Rk. <b>2021</b> , 149, 254-303		0
<sup>2</sup> 79	Multivariate multifractal formalism for simultaneous pointwise regularities. 1-26  Dimensions of random statistically self-affine Sierpinski sponges in Rk. 2021, 149, 254-303  On the Action of Multiplicative Cascades on Measures.  Symmetry violation of quantum multifractality: Gaussian fluctuations versus algebraic localization.	3.2	
279 278 277	Multivariate multifractal formalism for simultaneous pointwise regularities. 1-26  Dimensions of random statistically self-affine Sierpinski sponges in Rk. 2021, 149, 254-303  On the Action of Multiplicative Cascades on Measures.  Symmetry violation of quantum multifractality: Gaussian fluctuations versus algebraic localization. 2021, 3,  ANISOTROPIC MULTIFRACTAL SCALING OF MOUNT LEBANON TOPOGRAPHY: APPROXIMATE	3.2	1

273	Background PM10 atmosphere: In the seek of a multifractal characterization using complex networks. <b>2021</b> , 155, 105777	8
272	Short-term volatility forecasting with kernel support vector regression and Markov switching multifractal model. 1-13	
271	Wavelet-based multifractal analysis of C.elegans sequences based on FCGS signal. <b>2021</b> , 69, 102915	
270	TESTING FOR EFFECTS OF CROSS-CORRELATIONS ON JOINT MULTIFRACTALITY. Fractals, 2150177	3.2
269	Fractal percolation is unrectifiable. <b>2021</b> , 390, 107906	
268	Two-parameter entropy the SharmaMittal functional as core family of nonlinear FokkerPlanckRolmogorov equations. <b>2021</b> , 1-35	
267	Investors Uncertainty and Forecasting Stock Market Volatility. 1-11	2
266	Fully developed turbulence, intermittency and magnetic fields. <b>1977</b> , 325-336	1
265	Fully developed turbulence and renormalization group. <b>1979</b> , 320-335	7
264	Multifractals: From Modeling to Control of Broadband Network Traffic. <b>2003</b> , 373-392	O
263	Adding Synthetic Detail to Natural Terrain Using a Wavelet Approach. 2002, 22-31	1
262	The utility of dynamical systems approaches Comment 3. <b>1990</b> , 269-291	1
261	Encyclopedia of Complexity and Systems Science. <b>2009</b> , 3737-3754	7
260	Encyclopedia of Complexity and Systems Science. <b>2009</b> , 3893-3924	1
259	Scale, Scaling and Multifractals in Geophysics: Twenty Years on. <b>2007</b> , 311-337	29
258	Multifractal Tubes. <b>2013</b> , 161-191	5
257	Wavelet Transform Analysis of Turbulence. <b>2015</b> , 489-516	0
256	Fractional Brownian motion and data traffic modeling: The other end of the spectrum. <b>1997</b> , 185-202	38

255	Fluid Turbulence. <b>1999</b> , 644-664	2
254	Probabilistic Multifractals and Negative Dimensions. <b>1991</b> , 271-288	2
253	The Morphology and Texture of Anisotropic Multifractals Using Generalized Scale Invariance. <b>1997</b> , 269-311	2
252	Cascade of Scaling Gyroscopes: Lie Structure, Universal Multifractals and Self-Organized Criticality in Turbulence. <b>1997</b> , 57-81	1
251	Mathematics of Complexity and Dynamical Systems. <b>2012</b> , 429-445	3
250	Mathematics of Complexity and Ɗynamical Systems. <b>2012</b> , 446-462	1
249	Multifractal Modeling and Analyses of Crustal Heterogeneity. 2003, 207-236	9
248	Intermittency. <b>1995</b> , 39-44	2
247	A Bibliographical Guide to Self-Similar Processes and Long-Range Dependence. <b>1986</b> , 137-162	36
246	Dynamics and Structure of Viscous Fingers in Porous Media. <b>1987</b> , 111-138	13
245	Multifractals: Formalism and Experiments. 1987, 173-183	1
244	Random Fractals: characterization and measurement. <b>1991</b> , 1-11	22
243	From Global, 🛮 La Kolmogorov 1941, Scaling to Local Multifractal Scaling in Fully Developed Turbulence. <b>1992</b> , 13-23	2
242	A Class of Multinomial Multifractal Measures with Negative (Latent) Values for the Dimension	11
241	Nonlinear Variability in Geophysics: Multifractal Simulations and Analysis. <b>1989</b> , 49-79	41
240	Multifractal Description of Droughts in Western India Using Detrended Fluctuation Analysis. <b>2021</b> , 133-142	2
239	Multifractal Measures, Especially for the Geophysicist. <b>1989</b> , 5-42	20
238	The Fractal Geometry of Interfaces and the Multifractal Distribution of Dissipation in Fully Turbulent Flows. <b>1989</b> , 43-60	8

## (1991-1995)

	Self-Similarity, Lp-Spectrum and Multifractal Formalism. <b>1995</b> , 55-90	9
236	Aspects of the Fractal Percolation Process. <b>1995</b> , 113-143	7
235	Thermodynamic formalism, large deviation, and multifractals. <b>2001</b> , 159-169	5
234	Multifractal Geometry. <b>2000</b> , 3-37	10
233	Problems on Self-similar Geometry. <b>2000</b> , 69-93	1
232	A Prediction of the Multifractal Model: the Intermediate Dissipation Range. <b>1993</b> , 29-34	2
231	A Class of Random Cantor Measures, with Applications. <b>2017</b> , 233-260	2
230	Pulsating Stars and Fractals. <b>1991</b> , 43-75	3
229	Fractal Aspects of Galaxy Clustering. <b>1991</b> , 135-159	2
228	The Origin of Volatility Cascade of the Financial Market. <b>2007</b> , 114-120	1
227	On the impact of the number of vanishing moments on the dependence structures of compound Poisson motion and fractional Brownian motion in multifractal time. <b>2010</b> , 71-101	3
227		3 7
	Poisson motion and fractional Brownian motion in multifractal time. <b>2010</b> , 71-101	
226	Poisson motion and fractional Brownian motion in multifractal time. <b>2010</b> , 71-101  Fractals and Multifractals: The Interplay of Physics and Geometry. <b>1991</b> , 1-50	7
226	Poisson motion and fractional Brownian motion in multifractal time. 2010, 71-101  Fractals and Multifractals: The Interplay of Physics and Geometry. 1991, 1-50  Exactly Self-Similar Left-Sided Multifractals. 1991, 323-344	7 5
226	Poisson motion and fractional Brownian motion in multifractal time. 2010, 71-101  Fractals and Multifractals: The Interplay of Physics and Geometry. 1991, 1-50  Exactly Self-Similar Left-Sided Multifractals. 1991, 323-344  Percolation II. 1991, 97-150	7 5 20
226 225 224 223	Poisson motion and fractional Brownian motion in multifractal time. 2010, 71-101  Fractals and Multifractals: The Interplay of Physics and Geometry. 1991, 1-50  Exactly Self-Similar Left-Sided Multifractals. 1991, 323-344  Percolation II. 1991, 97-150  Fractal Growth. 1991, 151-174	7 5 20 7

219	Percolation II. <b>1996</b> , 115-176	3
218	Introduction to multifractal analysis. <b>1995</b> , 563-582	4
217	Mandelbrot Cascades and Related Topics. <b>2014</b> , 1-45	1
216	The Geometry of Fractal Percolation. <b>2014</b> , 303-323	3
215	Helical Fluctuations, Fractal Dimensions and Path Integral in the Theory of Turbulence. <b>1986</b> , 82-104	1
214	Statistics Toolbox for Damage and Fracture. <b>2000</b> , 17-101	9
213	Wavelet Leaders in Multifractal Analysis. <b>2006</b> , 201-246	33
212	On the Occurence of Extreme Events in Long-term Correlated and Multifractal Data Sets. <b>2008</b> , 1195-1207	3
211	Chaos in Dissipative Systems. <b>2014</b> , 189-244	4
210	Fractal Structures in Secondary Migration. <b>1997</b> , 203-212	2
209	On Lognormality and Scaling in Spatial Rainfall Averages?. <b>1991</b> , 175-183	12
208	Radiative Transfer in Multifractal Clouds. <b>1991</b> , 303-318	5
207	Nonlinear Geodynamical Variability: Multiple Singularities, Universality and Observables. <b>1991</b> , 41-82	44
206	On the Determination of the Codimension Function. <b>1991</b> , 99-109	29
205	Multifractal Analysis Techniques and the Rain and Cloud Fields from 10B to 106m. <b>1991</b> , 111-144	32
204	Fractal and Multifractal Structures in Kinetic Critical Phenomena. <b>1988</b> , 253-278	3
203	Wavelet Analysis of Fractal Signals Application to Fully Developed Turbulence Data. <b>1993</b> , 153-158	2
202	On What is Explained by the Form of a Channel Network. <b>1992</b> , 379-399	1

201	Fractal Aspects of Integrated Concentration Fluctuations. <b>1993</b> , 291-302	1
200	Nonequilibrium Molecular Dynamics of Classical Fluids. <b>1992</b> , 527-547	11
199	Fracton Excitations As A Driving Mechanism For The Self-Organized Dynamical Structuring In The Solar Wind. <b>1999</b> , 317-345	1
198	Wavelet analysis of fully developed turbulence data and measurement of scaling exponents. <b>1991</b> , 203-215	35
197	Produits de poids alātoires indpendants et applications. <b>1991</b> , 277-324	25
196	Mesoscale Variability of the Atmosphere. <b>1983</b> , 13-24	18
195	On the Determination of Universal Multifractal Parameters in Turbulence. <b>1992</b> , 463-478	16
194	Old friends revisited: the multifractal nature of some classical functions. <b>1997</b> , 3, 1	1
193	Some Mathematical Results about the Multifractal Formalism for Functions. <b>1994</b> , 325-361	5
192	Wavelet-Based Multifractal Analysis of Non-Stationary and/or Intermittent Geophysical Signals. <b>1994</b> , 4, 249-298	33
191	Turbulence. <b>1992</b> , 214-256	2
190	TURBULENCE AND NAVIER-STOKES-EQUATIONS. <b>1994</b> , 279-303	1
189	Fractal Measures. <b>2002</b> , 1037-1054	1
188	Heavy Tails in Finance for Independent or Multifractal Price Increments. 2003, 1-34	5
187	Rain gauge networks limitations and the implications to hydrological modelling highlighted with a X-band radar. <b>2020</b> , 583, 124615	8
186	Statistical properties of an equation describing fluid interfaces. <b>1985</b> , 46, 511-522	30
185	Anomalous scaling of moments in a random resistor networks. <b>1987</b> , 48, 771-779	17
184	MEhodes multifractales appliquës □la pr⊠ision de pluie en utilisant des donnës radar. <b>2007</b> , 93, 92-98	12

183	Role of singularities in hydrodynamics. <i>Physical Review Fluids</i> , <b>2018</b> , 3,	8	5
182	Second-order velocity structure functions in direct numerical simulations of turbulence with Rlup to 2250. <i>Physical Review Fluids</i> , <b>2020</b> , 5,	8	1
181	Multifractal Analysis of Rainfall-Rate Datasets Obtained by Radar and Numerical Model: The Case Study of Typhoon Bolaven (2012). <b>2020</b> , 59, 819-840		3
180	Multifractals and wavelets: A potential tool in geophysics. 1998,		9
179	Modeling of Turbulent Intermittency. <b>2003</b> , 453-468		1
178	Fractals and Multifractals in Pedodiversity and Biodiversity Analyses. 2013, 79-104		1
177	Lp-variations for multifractal fractional random walks. <b>2008</b> , 18,		24
176	Fractional multiplicative processes. <b>2009</b> , 45,		9
175	Statistical estimation for multiplicative cascades. <b>2000</b> , 28,		56
174	Universal Behavior of Connectivity Properties in Fractal Percolation Models. 2010, 15,		7
173	Multifractal Analysis of a Class of Additive Processes with Correlated Non-Stationary Increments. <b>2004</b> , 9,		8
172	Generalized vector multiplicative cascades. <b>2001</b> , 33, 874-895		14
171	Multifractal products of stochastic processes: construction and some basic properties. <b>2002</b> , 34, 888-903		24
170	Renewal of singularity sets of random self-similar measures. <b>2007</b> , 39, 162-188		2
169	Apparent Multifractality in Financial Time Series.		8
168	The Fine-Structure of Volatility Feedback.		1
167	Fractal Analysis of Solidification Microstructure of High Carbon High Alloy Cast Roll Manufactured by Centrifugal Casting. <b>2013</b> , 99, 72-79		6
166	Boltzmann and the Statistical Multifractals. <b>2019</b> , 4, 197-208		4

165	Coherence in Turbulence: New Perspective. <b>2009</b> , 6, 239-457	3
164	Random conformal snowflakes. <b>2010</b> , 172, 597-615	7
163	Chaotic time series. Part I. Estimation of some invariant properties in state-space. <b>1994</b> , 15, 205-224	29
162	##### <b>2012</b> , 76, 3-18	1
161	Tropical cyclogenesis in a tropical wave critical layer: easterly waves.	25
160	The ScaLIng Macroweather Model (SLIMM): using scaling to forecast global-scale macroweather from months to decades. <b>2015</b> , 6, 637-658	20
159	Scaling regimes and linear/nonlinear responses of last millennium climate to volcanic and solar forcings. <b>2016</b> , 7, 133-150	29
158	Scaling regimes and linear and nonlinear responses of last millennium climate models to volcanic and solar forcings.	1
157	Spatial disaggregation of bias-corrected GCM precipitation for improved hydrologic simulation: Ping River Basin, Thailand.	15
156	Circulation pattern based parameterization of a multiplicative random cascade for disaggregation of daily rainfall under nonstationary climatic conditions.	1
155	La modlisation fractale et la variabilitspatiale des philomiles naturels. <b>1993</b> , 47, 3-19	5
154	Recent Results on Mandelbrot Multiplicative Cascades. <b>2000</b> , 147-159	3
153	Stochastic modelling of multifractal exchange rates. <b>2000</b> , 355-369	
152	Multiplicative Chaos and Multimeasures. <b>2000</b> , 115-126	
151	A Primer in Classical Turbulence Theory. <b>2000</b> , 5-34	
150	Appendices. 2001,	
149	Scaling and Wavelets: An Introductory Walk. <b>2003</b> , 34-60	1
148	Conformal Spiral Multifractals. <b>2003</b> , 401-426	

147	Multifractals. <b>2003</b> , 35-58	
146	Foundations of Nonlinear Physics. <b>2003</b> , 481-515	
145	Real Numbers with Bounded Digit Averages. <b>2004</b> , 473-490	
144	Intersection Exponents and the Multifractal Spectrum for Measures on Brownian Paths. <b>2004</b> , 135-150	
143	Modlisation multifractale du taux de change dollar/euro. <b>2005</b> , n° 104, 135-150	
142	Cascade Model.	
141	Interpretazione multifrattale dei tratti vallivi dei corsid'acqua Calabresi. 2006, 13, 231	
140	Feedback Trading and Intermittent Market Turbulence.	
139	References. <b>2008</b> , 229-250	
138	The Scale-Invariant Brownian Motion Equation and the Lognormal Cascade in the Stock Market. 2	
137	The New Palgrave Dictionary of Economics. 2008, 1-5	
136	References. <b>2008</b> , 303-344	
135	Encyclopedia of Complexity and Systems Science. <b>2009</b> , 3720-3737	
134	A Wavelet Tour of Signal Processing - Pages 765-793. <b>2009</b> , 765-793	
133	Bibliographie. <b>2009</b> , 327-340	
132	References. <b>2009</b> , 303-335	
131	Fractals. <b>2010</b> , 94-98	
130	Simultaneous Multifractal Analysis of the Branching and Visibility Measure on a Galton-Watson Tree. <b>2010</b> , 42, 226-245	

129	Multifractional Random Systems on Fractal Domains. <b>2011</b> , 357-378
128	Risk Finance Modeling and Dependence. 109-139
127	Mathematics of Complexity and Ɗynamical Systems. <b>2012</b> , 606-636
126	Stochastic-Thermodynamic Modeling of Developed Structured Turbulence. <b>2013</b> , 295-371
125	Scaling Nature of Target Fragments in the 28Si-Emulsion Interaction at an Energy of 14.6A GeV. 2013, 58, 944-955
124	Fractals and Multi-fractals in Turbulence. <b>2014</b> , 317-346
123	Generalized Energy Inequalities and Higher Multifractal Moments. 2014, 97-113
122	An Introduction to Euler Equations for an Incompressible Fluid. <b>1984</b> , 31-36
121	Multifractals. 1987, 145-161
120	Muitifractals in Convection and Aggregation. <b>1988</b> , 292-309
119	Random Multiplicative Processes and Multifractals. 1988, 170-175
118	Some Aspects of the Fractal Approach to the Fully Developed Turbulence. <b>1989</b> , 31-47
117	Energy and Dissipation Range Spectra in the Inertial Range of Homogeneous Turbulence. <b>1989</b> , 125-134
116	Is There a Phase Transition in the Multifractal Spectrum of DLA?. <b>1989</b> , 217-226
115	The Fractal Range of the Distribution of Galaxies; Crossover to Homogeneity, and Multifractals. 1989, 259-279
114	The Evolution of a Turbulent Vortex**This work was supported in part by the Director, Office of Energy Research, Office of Basic Energy Sciences, Engineering, Mathematical and Geosciences Division of the U.S. Department of Energy, under contract W-7404-ENG-48, and in part by the Office
113	Experimental Study of the Multifractal Structure of the Quasiperiodic Set. <b>1989</b> , 75-78
112	Damage Spreading: The Search for Multifractality & Multiscaling. <b>1990</b> , 43-55

111	Mass Multifractality in Cluster Growth Models. <b>1990</b> , 34-44
110	Growth Patterns and Fronts: Fluid Flow Experiments. <b>1990</b> , 63-81
109	Multifractals, Multiscaling and the Energy Cascade of Turbulence. <b>1991</b> , 327-347
108	Remarks on high-Reynolds-number turbulence experiments and facilities. <b>1991</b> , 181-184
107	Dynamical Chaos: Problems in Turbulence. <b>1991</b> , 349-367
106	Modelling Fractals and Turbulence. <b>1991</b> , 103-124
105	Kolmogorov Spectra and Intermittency in Turbulence. <b>1991</b> , 221-231
104	Measurements of Local Scaling of Turbulent Velocity Fields at High Reynolds Numbers. <b>1992</b> , 443-461
103	Dynamical Mechanisms for Intermittency Effects in Fully Developed Turbulence. <b>1992</b> , 415-426
102	Self-similar multiplier distributions and multiplicative models for energy dissipation in high-Reynolds-number turbulence. <b>1993</b> , 395-406
101	Multifractals. <b>1993</b> , 257-265
100	A structural theory of anisotropic turbulence. <b>1995</b> , 737-757
99	Wavelet Analysis. <b>1995</b> , 139-146
98	Exactly Self-similar Left-sided Multifractals. <b>1996</b> , 367-399
97	Toward a Theory of Growing Surfaces: Mapping Two-Dimensional Laplacian Growth Onto Hamiltonian Dynamics and Statistics. <b>1996</b> , 225-237
96	Fractal Growth. <b>1996</b> , 177-200
95	Scale Invariance and Beyond: What Can We Learn from Wavelet Analysis ?. <b>1997</b> , 37-51
94	Integral Transforms of Multifractal Measures. <b>1997</b> , 19-31

93	A Survey of Cascades with Applications from Geosciences. <b>1997</b> , 115-127
92	Fractal percolation with neighbour interaction. <b>1997</b> , 106-114
91	Hydrodynamic Turbulence: a 19th Century Problem with a Challenge for the 21st Century. <b>1998</b> , 375-390
90	A Fibonacci-Fractal: A Bicolored Self-Similar Multifractal. <b>1998</b> , 221-237
89	Are Scalings of Turbulence Universal?. <b>1998</b> , 391-402
88	A Wavelet Tour of Signal Processing - Pages 612-628. <b>1999</b> , 612-628
87	InstabilitEen und turbulente StrEhungen. <b>2015</b> , 1-73
86	Fractals. <b>2015</b> , 1-53
85	Generation of Intermittent Turbulent Inflow and Initial Conditions Based on Wavelet Construction Method. <b>2015</b> , 125-132
84	An Introduction to Mandelbrot Cascades. <b>2016</b> , 67-105
83	Stochastic Time Series Methods. <b>2017</b> , 63-110
82	InstabilitEen und turbulente StrEhungen. <b>2017</b> , 351-422
81	Self-Similar Sets: Projections, Sections and Percolation. <b>2017</b> , 113-127
80	Limit Theorems for Multiplicative Cascades in a Random Environment. <b>2017</b> , 21,
79	An algorithm for object recognition in hyperspectral remote sensing images and its application to lithologic feature extraction. <b>2017</b> ,
78	References. <b>2018</b> , 241-247
77	Two-parameter functional of entropy Sharma-Mittal as the basis of the family of generalized thermodynamices of non-extensive systems. <b>2018</b> , 1-35
76	Could Noise Spectra of Strange Attractors Better Explain Wealth and Income Inequalities? Evidence from the S&P-500 Index. <b>2018</b> , 09, 449-462

75	The New Palgrave Dictionary of Economics. <b>2018</b> , 4896-4900	
74	To the development of statistical thermodynamics and technique Afractal analysis for non-extensive systems based on entropy and discrimination information of Renyi. <b>2018</b> , 1-44	5
73	Temporal Disaggregation of Rainfall Based on Microcanonical Cascade Model (A Software Development and Case Study). <b>2018</b> , 9, 96-108	
72	Constructing Models. 2020, 71-111	O
71	Fractal algorithm for the modeling of consumption in COVID-19. 1-7	
70	The Role of Stochastic Time-Variations in Turbulent Stresses When Predicting Drop Breakup A Review of Modelling Approaches. <b>2021</b> , 9, 1904	2
69	Geometric functionals of fractal percolation. <b>2020</b> , 52, 1085-1126	
68	Universal Behaviors in the Diffusive Epidemic Process and in Fully Developed Turbulence. <b>2020</b> , 7-44	
67	Small deviations in lognormal Mandelbrot cascades. <b>2020</b> , 25,	0
66	Multifractal Analysis of Rectangular Pointwise Regularity with Hyperbolic Wavelet Bases. <b>2021</b> , 27, 1	
65	Multifractal wavefunction at the localization threshold. 1987, 315-332	
64	From quantum fields to fractal structures: Intermittency in particle physics. <b>1991</b> , 147-160	
63	Miscellanea. <b>1991</b> , 280-314	
62	Moment analysis and Zipf law. <b>2006</b> , 227-242	
61	Is the Spatial Distribution of Galaxies a Bounded SelfBimilar Structure? Observational Evidences. <b>1991</b> , 119-134	1
60	Are multifractal processes suited to forecasting electricity price volatility? Evidence from Australian intraday data. <b>2022</b> , 26, 73-98	
59	Special Topic: Branching Random Walk, Polymers, and Multiplicative Cascades. <b>2021</b> , 243-262	
58	Multifractal Analysis of Turbulent Thermoacoustic Systems. <b>2021</b> , 285-328	

57	U.S. Politics from a multifractal perspective. <i>Chaos, Solitons and Fractals</i> , <b>2022</b> , 155, 111677	9.3	О
56	Bayesian Estimation of the Parameters of the Bivariate Multifractal Spectrum. 2021,		О
55	Multivariate multifractal texture DCGAN synthesis: How well does it work? How does one know?. <b>2022</b> , 94, 179		0
54	Effect of finite Reynolds number on self-similar crossing statistics and fractal measurements in turbulence. <i>Physical Review Fluids</i> , <b>2022</b> , 7,	2.8	О
53	The Bingular Behavior of the Solar Wind Scaling Features during Parker Solar Probe Bepi Colombo Radial Alignment. <b>2022</b> , 926, 174		O
52	The energy cascade as the origin of intense events in small-scale turbulence. <i>Journal of Fluid Mechanics</i> , <b>2022</b> , 937,	3.7	1
51	The Second Generalization of the Hausdorff Dimension Theorem for Random Fractals. <b>2022</b> , 10, 706		
50	FRACTAL TOPOGRAPHY AND COMPLEXITY ASSEMBLY IN MULTIFRACTALS. Fractals,	3.2	O
49	Spatial Downscaling Model Combined with the Geographically Weighted Regression and Multifractal Models for Monthly GPM/IMERG Precipitation in Hubei Province, China. <i>Atmosphere</i> , <b>2022</b> , 13, 476	2.7	2
48	Optical turbulence control by non-Hermitian potentials. <i>Physical Review A</i> , <b>2022</b> , 105,	2.6	О
47	Modelling Fractal Turbulent Velocity Spectra: Application to a Dispersion Model of Contaminants in Particular Cases of the Planetary Boundary Layer. <i>Boundary-Layer Meteorology</i> , 1	3.4	
46	Phase transitions detected in complex time series by multifractal detrended fluctuation analysis.  International Journal of Modern Physics B,	1.1	
45	Quantum kicked rotor and its variants: Chaos, localization and beyond. <i>Physics Reports</i> , <b>2022</b> , 956, 1-87	27.7	1
44	Data_Sheet_1.pdf. <b>2018</b> ,		
43	Presentation_1.pdf. <b>2018</b> ,		
42	Image_1.JPEG. <b>2018</b> ,		
41	Image_2.JPEG. <b>2018</b> ,		
40	Image_3.JPEG. <b>2018</b> ,		

39	lmage_4.jpg. <b>2018</b> ,		
38	Table_1.DOCX. <b>2018</b> ,		
37	Table_2.DOCX. <b>2018</b> ,		
36	Table_3.DOCX. <b>2018</b> ,		
35	Table_4.DOCX. <b>2018</b> ,		
34	Table_5.DOCX. <b>2018</b> ,		
33	Table_6.DOCX. <b>2018</b> ,		
32	Table_1.DOCX. <b>2019</b> ,		
31	Presentation1.PDF. <b>2018</b> ,		
30	Evaluation of Rainfall Disaggregation Models for the Awash River Basin, Ethiopia. <i>Lecture Notes in Civil Engineering</i> , <b>2022</b> , 247-265	0.3	
29	Mandelbrot, the <b>E</b> ather of Fractals\(\Omega\)Encyclopedia of Earth Sciences Series, <b>2022</b> , 1-2	Ο	
28	Self-similar geometries within the inertial subrange of scales in boundary layer turbulence. <i>Journal of Fluid Mechanics</i> , <b>2022</b> , 942,	3.7	O
27	Consistency between the attached-eddy model and the innerButer interaction model: a study of streamwise wall-shear stress fluctuations in a turbulent channel flow. <i>Journal of Fluid Mechanics</i> , <b>2022</b> , 942,	3.7	О
26	Creation of turbulence in polyatomic gas flow via an intermolecular potential. <i>Physical Review Fluids</i> , <b>2022</b> , 7,	2.8	2
25	Turbulence Hierarchy and Multifractality in the Integer Quantum Hall Transition. <i>Physical Review Letters</i> , <b>2022</b> , 128,	7.4	О
24	A relative vectorial multifractal formalism. <i>Chaos, Solitons and Fractals</i> , <b>2022</b> , 160, 112221	9.3	3
23	A Bayesian Framework for Multivariate Multifractal Analysis. <i>IEEE Transactions on Signal Processing</i> , <b>2022</b> , 1-12	4.8	
22	Multifractal Analysis of Reservoir Rock Samples Using 3D X-Ray Micro Computed Tomography Images. <i>IEEE Access</i> , <b>2022</b> , 10, 67898-67909	3.5	3

21	Measure Theoretic Entropy of Random Substitution Subshifts. <i>Annales Henri Poincare</i> , 1.2	O
20	Multifractal approach to fully developed turbulence. <i>Rendiconti Lincei</i> , 1.7	
19	Multifractal approach to gully network interpretation of an alluvial badland terrain. <i>Geoderma</i> , <b>2022</b> , 424, 116021	
18	Multifractal test for nonlinearity of interactions across scales in time series.	1
17	Dynamic dependence and hedging strategies in BRICS stock markets with oil during crises. 2022,	О
16	Acceleration scaling and stochastic dynamics of a fluid particle in turbulence. 2022, 7,	
15	Turing acascade instability supports the coordination of the mind, brain, and behavior. 2022, 104810	1
14	Discrete scaling and criticality in a chain of adaptive excitable integrators. <b>2022</b> , 163, 112574	O
13	Fractal and multifractal descriptors restore ergodicity broken by non-Gaussianity in time series. <b>2022</b> , 163, 112568	0
12	Generalized fractal dimension for a dissipative multi-fractal cascade model for fully developed turbulence. <b>2022</b> , 607, 128182	Ο
11	The Future of Climate Modelling: Weather Details, Macroweather Stochastics (Dr Both?. 2022, 1, 414-449	2
10	Box-Counting Dimension in One-Dimensional Random Geometry of Multiplicative Cascades.	Ο
9	Turbulence via intermolecular potential: A weakly compressible model of gas flow at low Mach number. <b>2022</b> , 34, 125104	1
8	Complex flow in tight oil reservoirs impacted by heterogeneous minerals: A new mechanism. <b>2023</b> , 106095	Ο
7	A local fitting based multifractal detrend fluctuation analysis method. 2023, 611, 128476	0
6	Estimation of future extreme rainfall in Barcelona (Spain) under monofractal hypothesis.	Ο
5	Multifractal descriptors ergodically characterize non-ergodic multiplicative cascade processes. <b>2023</b> , 617, 128651	О
4	Enhanced wave localization in multifractal scattering media. <b>2023</b> , 107,	О

Turbulence via Intermolecular Potential: Viscosity and Transition Range of the Reynolds Number. **2023**, 8, 101

О

Scaling and intermittency in turbulent flows of elastoviscoplastic fluids.

O

Complex Generalized Integral Means Spectrum of Drifted Whole-Plane SLE and LLE.

О