Maricel Agop

List of Publications by Citations

207 papers	1,452 citations	20 h-index	25 g-index
239 ext. papers	1,704 ext. citations	3.6 avg, IF	4.78 L-index

#	Paper	IF	Citations
207	Experimental and theoretical investigations of a laser-produced aluminum plasma. *Physical Review E*, **2008**, 78, 026405	2.4	79
206	Experimental and theoretical considerations on sound absorption performance of waste materials including the effect of backing plates. *Applied Acoustics*, **2017**, 119, 88-93	3.1	45
205	Aspects Regarding the Pharmaceutical Waste Management in Romania. *Sustainability*, **2018**, 10, 2788	3.6	44
204	Experimental and Theoretical Aspects of Aluminum Expanding Laser Plasma. *Japanese Journal of Applied Physics*, **2009**, 48, 066001	1.4	30
203	Plume splitting and oscillatory behavior in transient plasmas generated by high-fluence laser ablation in vacuum. *Applied Surface Science*, **2017**, 424, 299-309	6.7	28
202	Al2O3 ceramics under high-fluence irradiation: plasma plume dynamics through space- and time-resolved optical emission spectroscopy. *Applied Physics A: Materials Science and Processing*, **2010**, 101, 153-159	2.6	27
201	Absence of a gravitational analog to the Meissner effect. *General Relativity and Gravitation*, **1996**, 28, 405-412	2.3	26
200	On the vacuum status in Weyl–Dirac theory. *General Relativity and Gravitation*, **2008**, 40, 35-55	2.3	24
199	Experimental and Theoretical Investigations of the Negative Differential Resistance in a Discharge Plasma. *Journal of the Physical Society of Japan*, **2012**, 81, 064502	1.5	23
198	El Naschie's Cantorian space–time and general relativity by means of Barbilian's group.: A Cantorian fractal axiomatic model of space–time. *Chaos, Solitons and Fractals*, **2004**, 19, 705-730	9.3	22
197	Phases in the temporal multiscale evolution of the drug release mechanism in IPN-type chitosan based hydrogels. *Physical Chemistry Chemical Physics*, **2014**, 16, 25896-905	3.6	21
196	THE MICROSCOPIC-MACROSCOPIC SCALE TRANSFORMATION THROUGH A CHAOS SCENARIO IN THE FRACTAL SPACE-TIME THEORY. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2011**, 21, 603-618	2	21
195	Oscillatory Langmuir probe ion current in laser-produced plasma expansion. *Europhysics Letters*, **2010**, 89, 65001	1.6	21
194	Some experimental and theoretical results on the anodic patterns in plasma discharge. *Physics of Plasmas*, **2006**, 13, 063503	2.1	21
193	Target properties – Plasma dynamics relationship in laser ablation of metals: Common trends for fs, ps and ns irradiation regimes. *Applied Surface Science*, **2020**, 506, 144926	6.7	21
192	Langmuir probe investigation of transient plasmas generated by femtosecond laser ablation of several metals: Influence of the target physical properties on the plume dynamics. *Applied Surface Science*, **2017**, 417, 108-118	6.7	20
191	Dispersive effects in laser ablation plasmas. *Japanese Journal of Applied Physics*, **2014**, 53, 116202	1.4	20

190	Experimental and theoretical investigations of a plasma fireball dynamics. *Physics of Plasmas*, **2010**, 17, 042305	2.1	20
189	Conductive and Convective Types Behaviors at Nano-Time Scales. *Journal of Computational and Theoretical Nanoscience*, **2010**, 7, 2271-2280	0.3	20
188	Implications of an extended fractal hydrodynamic model. *European Physical Journal D*, **2010**, 56, 405-419	1.3	20
187	Evaluation of chemical, physical, and biologic properties of tumor-targeting radioiodinated quinazolinone derivative. *Bioconjugate Chemistry*, **2007**, 18, 754-64	6.3	20
186	Dynamics in the boundary layer of a flat particle. *Powder Technology*, **2012**, 221, 312-317	5.2	19
185	Gravity and cantorian space-time. *Chaos, Solitons and Fractals*, **1998**, 9, 1143-1181	9.3	19
184	El Naschie□□theory and effects of nanoparticle clustering on the heat transport in nanofluids. *Chaos, Solitons and Fractals*, **2008**, 37, 1269-1278	9.3	19
183	Fractal model of the atom and some properties of the matter through an extended model of scale relativity. *European Physical Journal D*, **2008**, 49, 239-248	1.3	19
182	Differentiability and Fractality in Dynamics of Physical Systems **2015**,		19
181	Experimental and theoretical aspects of a laser produced plasma. *Physics of Plasmas*, **2014**, 21, 093509	2.1	18
180	Stochastic resonance and vibrational resonance in an excitable system: The golden mean barrier. *Chaos, Solitons and Fractals*, **2009**, 41, 727-734	9.3	18
179	Investigation of femtosecond laser-produced plasma from various metallic targets using the Langmuir probe characteristic. *Physics of Plasmas*, **2017**, 24, 103119	2.1	17
178	Experimental and theoretical investigations of plasma multiple double layers and their evolution to chaos. *Plasma Sources Science and Technology*, **2013**, 22, 035007	3.5	17
177	El Naschie□□spaceTime and new results in scale relativity theories. *Chaos, Solitons and Fractals*, **2006**, 30, 380-398	9.3	17
176	A compact non-differential approach for modeling laser ablation plasma dynamics. *Journal of Applied Physics*, **2017**, 121, 083301	2.5	16
175	On the interaction between two fireballs in low-temperature plasma. *Physics of Plasmas*, **2015**, 22, 113511	2.1	16
174	El Naschie□□spaceTime, hydrodynamic model of scale relativity theory and some applications. *Chaos, Solitons and Fractals*, **2007**, 34, 1704-1723	9.3	16
173	El Naschie□□spaceTime and scale relativity theory in the topological dimension D = 4. *Chaos, Solitons and Fractals*, **2007**, 32, 1231-1240	9.3	14

172	Implications of Onicescu's informational energy in some fundamental physical models. *International Journal of Modern Physics B*, **2015**, 29, 1550045	1.1	13
171	On the separation of particle flow during pulse laser deposition of heterogeneous materials - A multi-fractal approach. *Powder Technology*, **2018**, 339, 273-280	5.2	13
170	Experimental and theoretical evidence for the chaotic dynamics of complex structures. *Physica Scripta*, **2013**, 87, 045501	2.6	13
169	Investigations on Thermal Conductivity of Carbon Nanotubes Reinforced Composites. *Experimental Heat Transfer*, **2015**, 28, 37-57	2.4	12
168	Particle distribution in transient plasmas generated by ns-laser ablation on ternary metallic alloys. *Applied Physics B: Lasers and Optics*, **2019**, 125, 1	1.9	11
167	Informational Non-Differentiable Entropy and Uncertainty Relations in Complex Systems. *Entropy*, **2014**, 16, 6042-6058	2.8	11
166	Cantorian space-time, polarization gravitational field and van der Waals-type forces. *Chaos, Solitons and Fractals*, **2003**, 18, 1-16	9.3	11
165	Local gravitoelectromagnetic effects on a superconductor. *Physica C: Superconductivity and Its Applications*, **2000**, 339, 120-128	1.3	11
164	Implications of Non-Differentiable Entropy on a Space-Time Manifold. *Entropy*, **2015**, 17, 2184-2197	2.8	10
163	Theoretical Modeling of Long-Time Drug Release from Nitrosalicyl-Imine-Chitosan Hydrogels through Multifractal Logistic Type Laws. *Computational and Mathematical Methods in Medicine*, **2019**, 2019, 4091464	2.8	10
162	Generalized lift force for complex fluid. *Powder Technology*, **2013**, 235, 685-695	5.2	10
161	Characterization of Aluminum Laser Produced Plasma by Target Current Measurements. *Japanese Journal of Applied Physics*, **2012**, 51, 106102	1.4	10
160	Non-Differentiable Mechanical Model and Its Implications. *International Journal of Theoretical Physics*, **2010**, 49, 1489-1506	1.1	10
159	The time dependent Ginzburg–Landau equation in fractal space–time. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2010**, 374, 2757-2765	2.3	10
158	A Turbulence-Oriented Approach to Retrieve Various Atmospheric Parameters Using Advanced Lidar Data Processing Techniques. *Atmosphere*, **2019**, 10, 38	2.7	9
157	El Naschie's supergravity by means of the gravitational instantons synchronization. *Chaos, Solitons and Fractals*, **2006**, 30, 318-323	9.3	9
156	Some physical implications of the Weyl-Dirac theory. *Classical and Quantum Gravity*, **1999**, 16, 3367-3380	3.3	9
155	Characterization of Aluminum Laser Produced Plasma by Target Current Measurements. *Japanese Journal of Applied Physics*, **2012**, 51, 106102	1.4	9

154	Cantorian E() space-time, gravitation and superconductivity. *Chaos, Solitons and Fractals*, **2002**, 13, 1137-1165	9.3	8
153	ON ERNST BLACK HOLES WITH A DILATON POTENTIAL. *Modern Physics Letters A*, **2005**, 20, 1077-1085	1.3	8
152	Cantorian E() space-time and generalized superconductivity. *Chaos, Solitons and Fractals*, **2001**, 12, 1947-1982	9.3	8
151	The Cantorian structure of the background magnetic field and high temperature superconductors. *Chaos, Solitons and Fractals*, **2000**, 11, 2561-2569	9.3	8
150	The wave-particle duality in the Weyl-Dirac theory. *Classical and Quantum Gravity*, **2000**, 17, 3627-3644	3.3	8
149	Some Implications of Gravitational Superconductivity **2000**, 104, 733-742		8
148	On the Cantorian Structure of Time in Relativity. *Chaos, Solitons and Fractals*, **1999**, 10, 1295-1302	9.3	8
147	Perturbative solutions of the Ginzburg-Landau equation and the superconducting parameters. *Physical Review B*, **1996**, 53, 2229-2232	3.3	8
146	A theoretical mathematical model for assessing diclofenac release from chitosan-based formulations. *Drug Delivery*, **2020**, 27, 1125-1133	7	8
145	Atomicity via regularity for non-additive set multifunctions. *Soft Computing*, **2016**, 20, 4761-4766	3.5	7
144	Atomicity through Fractal Measure Theory **2019**,		7
143	Some implications of Scale Relativity theory in avascular stages of growth of solid tumors in the presence of an immune system response. *Journal of Theoretical Biology*, **2011**, 282, 52-64	2.3	7
142	Nonlinearities in Drug Release Process from Polymeric Microparticles: Long-Time-Scale Behaviour. *Journal of Applied Mathematics*, **2012**, 2012, 1-26	1.1	7
141	The uncertainty relation for an assembly of Planck-type oscillators. A possible GR-quantum mechanics connection. *Chaos, Solitons and Fractals*, **1997**, 8, 809-821	9.3	7
140	El Naschie E() theory and an alternative to gauged spacetime scale relativity theory. *Chaos, Solitons and Fractals*, **2007**, 34, 1025-1029	9.3	7
139	El Naschie superconductivity in the time dependent Ginzburg-Landau model. *Chaos, Solitons and Fractals*, **2007**, 34, 1060-1074	9.3	7
138	A Theoretical Approach of the Heat Transfer in Nanofluids. *Materials Transactions*, **2007**, 48, 3021-3023	1.3	7
137	Experimental and Theoretical Investigations of Anode Double Layer. *Japanese Journal of Applied Physics*, **2005**, 44, 3253-3259	1.4	7

136	Fractal Characteristics of the Solidification Process. *Materials Transactions*, **2004**, 45, 972-975	1.3	7
135	Fractal Method for Modeling the Peculiar Dynamics of Transient Carbon Plasma Generated by Excimer Laser Ablation in Vacuum. *Complexity*, **2018**, 2018, 1-8	1.6	7
134	On a Multifractal Approach of Turbulent Atmosphere Dynamics. *Frontiers in Earth Science*, **2020**, 8,	3.5	6
133	Dynamics Control of the Complex Systems via Nondifferentiability. *Journal of Applied Mathematics*, **2013**, 2013, 1-12	1.1	6
132	Motion of Free Particles in Fractal Space-time. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2009**, 10,	1.8	6
131	Gravitation theory in a fractal space-time. *Journal of Mathematical Physics*, **2006**, 47, 053503	1.2	6
130	El Naschie□ (□)space□time and the two slit experiment in the Weyl□Dirac theory. *Chaos, Solitons and Fractals*, **2006**, 30, 441-452	9.3	6
129	El Naschie□ cantorian strings and dendritic morphogenesis. *Chaos, Solitons and Fractals*, **2004**, 21, 515-536	9.3	6
128	Cantorian E(□)structures in discharge plasma double layers. Theoretical and experimental aspects of basic processes. *Chaos, Solitons and Fractals*, **2002**, 13, 1541-1569	9.3	6
127	Cantorian E(□)space□time, frames and unitary theories. *Chaos, Solitons and Fractals*, **2003**, 15, 445-453	9.3	6
126	Superconductivity by means of the subquantum medium coherence. *Journal of Mathematical Physics*, **2005**, 46, 062110	1.2	6
125	Focusing and Guiding Charged Particles by a Superconducting Tube: An Analytical Nonlinear Approach for the Complete Flux Expulsion Model. *Japanese Journal of Applied Physics*, **1999**, 38, 5863-5866	1.4	6
124	The Critical Pair-Breaking Current in Superconductors. *Physica Status Solidi (B): Basic Research*, **1995**, 191, 189-192	1.3	6
123	Poly(vinyl alcohol boric acid)-Diclofenac Sodium Salt Drug Delivery Systems: Experimental and Theoretical Studies. *Journal of Immunology Research*, **2020**, 2020, 3124304	4.5	5
122	Feigenbaum scenario in the dynamics of a metal□oxide semiconductor heterostructure under harmonic perturbation. Golden mean criticality. *Chaos, Solitons and Fractals*, **2009**, 40, 975-980	9.3	5
121	Gauge theories on El Naschie□ (□)space-time topology. *Chaos, Solitons and Fractals*, **2007**, 32, 296-301	9.3	5
120	El Naschie□ Cantorian gravity and Einstein□ quantum gravity. *Chaos, Solitons and Fractals*, **2006**, 30, 30-40	9.3	5
119	Hydrodynamic formulation of scale relativity theory and unified superconductivity by means of a fractal string. *Physica C: Superconductivity and Its Applications*, **2003**, 390, 37-55	1.3	5

118	Wave□particle duality and superconductivity in Weyl□Dirac theories. *Classical and Quantum Gravity*, **2001**, 18, 4743-4762	3.3	5
117	On the information and uncertainty relation of canonical quantum systems with SL(2R) invariance. *Chaos, Solitons and Fractals*, **1996**, 7, 659-668	9.3	5
116	Investigations of Laser Produced Plasmas Generated by Laser Ablation on Geomaterials. Experimental and Theoretical Aspects. *Symmetry*, **2019**, 11, 1391	2.7	5
115	A multiscale mechanism of drug release from polymeric matrices: confirmation through a nonlinear theoretical model. *Physical Chemistry Chemical Physics*, **2016**, 18, 21809-16	3.6	5
114	Multifractal Model of Atmospheric Turbulence Applied to Elastic Lidar Data. *Atmosphere*, **2021**, 12, 226	2.7	5
113	Solid components separation from heterogeneous mixtures through turbulence control. *Powder Technology*, **2015**, 284, 170-186	5.2	4
112	Non-linear behaviours in complex fluid dynamics via non-differentiability. Separation control of the solid components from heterogeneous mixtures. *Powder Technology*, **2015**, 269, 452-460	5.2	4
111	Fractal Information by Means of Harmonic Mappings and Some Physical Implications. *Entropy*, **2016**, 18, 160	2.8	4
110	Charged Particle Oscillations in Transient Plasmas Generated by Nanosecond Laser Ablation on Mg Target. *Symmetry*, **2020**, 12, 292	2.7	4
109	A fractal approach of the sound absorption behaviour of materials. Theoretical and experimental aspects. *International Journal of Non-Linear Mechanics*, **2018**, 103, 128-137	2.8	4
108	Static and free time-dependent fractal systems through an extended hydrodynamic model of the scale relativity theory. *Physica Scripta*, **2010**, 82, 015010	2.6	4
107	Multi-peak structure of the ion current in laser produced plasma. *European Physical Journal D*, **2010**, 60, 317-323	1.3	4
106	El Naschie□s self-organization of the patterns in a plasma discharge: Experimental and theoretical results. *Chaos, Solitons and Fractals*, **2007**, 34, 172-186	9.3	4
105	El Naschie□□□space□time and patterns in plasma discharge. *Chaos, Solitons and Fractals*, **2006**, 30, 470-489	9.3	4
104	El Naschie□s instanton by means of the Schwarzschild□s gravitational field. *Chaos, Solitons and Fractals*, **2005**, 25, 781-790	9.3	4
103	Thermal Oscillation Modes of the Solid-Liquid Interface Solidification and Melting. *Materials Transactions*, **2001**, 42, 197-206	1.3	4
102	Gravitation theory in the spacetime□□□3. *Foundations of Physics*, **1991**, 21, 473-481	1.2	4
101	A Theoretical Multifractal Model for Assessing Urea Release from Chitosan Based Formulations. *Polymers*, **2020**, 12,	4.5	3

100	Order to Chaos Transition in Plasma via Non-Differentiability: Experimental and Theoretical Investigations. *Journal of the Physical Society of Japan*, **2014**, 83, 054501	1.5	3
99	SL(2, R) Invariance of the Kepler Type Motions and Shannon Informational Entropy. Uncertainty Relations Through the Constant Value of the Onicescu Informational Energy. *Reports on Mathematical Physics*, **2015**, 75, 101-112	0.8	3
98	Computational properties of a fractal medium. *International Journal of Quantum Information*, **2014**, 12, 1450022	0.8	3
97	CHAOS VIA FRACTALITY IN GRAVITATIONAL SYSTEMS DYNAMICS: A NEW APPROACH (I). *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2012**, 22, 1250299	2	3
96	New Model for Heat Transfer in Nanostructures. *Journal of Computational and Theoretical Nanoscience*, **2012**, 9, 55-66	0.3	3
95	Wave particle duality through an extended model of the scale relativity theory. *Physica Scripta*, **2008**, 78, 065101	2.6	3
94	El Naschie cantorian strings and duality in Weyl Dirac theory. *Chaos, Solitons and Fractals*, **2004**, 19, 1057-1070	9.3	3
93	Wave guide perturbative solutions for the Ginzburg Landau equation.. *Physica C: Superconductivity and Its Applications*, **1999**, 313, 219-224	1.3	3
92	The isotope effect coefficient dependence on nonstoichiometry for single CuO layer superconductors. *Physica C: Superconductivity and Its Applications*, **1996**, 270, 317-326	1.3	3
91	New mechanisms of vesicles migration. *General Physiology and Biophysics*, **2016**, 35, 287-98	2.1	3
90	Lorenz Type Behaviors in the Dynamics of Laser Produced Plasma. *Symmetry*, **2019**, 11, 1135	2.7	3
89	Extended Minimal Atomicity through Nondifferentiability: A Mathematical-Physical Approach. *Advances in Mathematical Physics*, **2019**, 2019, 1-16	1.1	3
88	Theoretical model for the diclofenac release from PEGylated chitosan hydrogels. *Drug Delivery*, **2021**, 28, 261-271	7	3
87	Towards Possible Laminar Channels through Turbulent Atmospheres in a Multifractal Paradigm. *Atmosphere*, **2021**, 12, 1038	2.7	3
86	In-Situ Plasma Monitoring during the Pulsed Laser Deposition of Ni60Ti40 Thin Films. *Symmetry*, **2020**, 12, 109	2.7	2
85	Investigations of Transient Plasma Generated by Laser Ablation of Hydroxyapatite during the Pulsed Laser Deposition Process. *Symmetry*, **2020**, 12, 132	2.7	2
84	Experimental and Theoretical Studies on the Dynamics of Transient Plasmas Generated by Laser Ablation in Various Temporal Regimes **2017**,		2
83	Pairs Generating as a Consequence of the Fractal Entropy: Theory and Applications. *Entropy*, **2017**, 19, 128	2.8	2

82	A mathematical-physical approach on regularity in hit-and-miss hypertopologies for fuzzy set multifunctions. *Mathematical Sciences*, **2015**, 9, 181-188	1.6	2
81	Measuring the Electrical Properties of MWNT-PA6 Reinforced Nanocomposites. *Journal of Nanomaterials*, **2015**, 2015, 1-9	3.2	2
80	A gauge theory of nucleonic interactions by contact. *Modern Physics Letters A*, **2014**, 29, 1450073	1.3	2
79	Chemical properties of hydroxyapatite deposited through electrophoretic process on different sandblasted samples. *Materials Science-Poland*, **2014**, 32, 578-582	0.6	2
78	A QUARK-INDEPENDENT DESCRIPTION OF CONFINEMENT. *Modern Physics Letters A*, **2013**, 28, 1350126	1.3	2
77	Games with Cantor dust. *Chaos, Solitons and Fractals*, **2009**, 40, 940-945	9.3	2
76	Some Physical Implications of Ginzburg-Landau Equation with an Internal (Topological) Vector Potential. *Physica Status Solidi (B): Basic Research*, **1997**, 201, 227-234	1.3	2
75	Superconducting Electronic Specific Heat Dependence on Temperature: Intrinsic Origin of the Upturn at Low T. *Physica Status Solidi (B): Basic Research*, **1997**, 201, 465-470	1.3	2
74	Gravitational Hall Effect and Gravitomagnetic Dynamo. *Studia Geophysica Et Geodaetica*, **1998**, 42, 431-435	0.7	2
73	Golden mean relevance for chaos inhibition in a system of two coupled modified van der Pol oscillators. *Chaos, Solitons and Fractals*, **2007**, 31, 1035-1040	9.3	2
72	El Naschie's $\varepsilon^{(\infty)}$ space-time and scale relativity theory in the topological dimension D = 3. *Chaos, Solitons and Fractals*, **2008**, 38, 1243-1253	9.3	2
71	El Naschie's space-time and gravitational instanton in Weyl-Dirac theory. *Chaos, Solitons and Fractals*, **2006**, 28, 306-312	9.3	2
70	Cantorian $E^{(\infty)}$ space-time in Cartan, de Broglie and field theories. *Chaos, Solitons and Fractals*, **2002**, 14, 863-890	9.3	2
69	El Naschie's Cantorian space-time and an alternative to the Jakub Czajko issue. *Chaos, Solitons and Fractals*, **2005**, 24, 701-706	9.3	2
68	A new theoretical approach of the gravitational shielding: Podkletnov's effect. *Physica C: Superconductivity and Its Applications*, **2000**, 341-348, 307-308	1.3	2
67	Focusing and Guiding Charged Particles Using a Superconducting Tube: An Analytical Nonlinear Approach. *Japanese Journal of Applied Physics*, **2000**, 39, 5085-5089	1.4	2
66	Transition and equilibrium processes in metal-ceramic particle systems. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **1995**, 26, 3021-3025	2.3	2
65	A special Lagrange metric in particle mechanics. *Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods*, **1995**, 110, 371-375		2

64	Operational Procedures in the Theory of the Drug Release from Chitosan Hydrogels **2018**, 55, 590-594		2
63	Holographic Implementations in the Complex Fluid Dynamics through a Fractal Paradigm. *Mathematics*, **2021**, 9, 2273	2.3	2
62	Role of surface gauging in extended particle interactions: The case for spin. *European Physical Journal Plus*, **2016**, 131, 1	3.1	1
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60	Some Generalized Physical Models Through Homographic Group. *Reports on Mathematical Physics*, **2015**, 76, 231-246	0.8	1
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58	The concept of physical surface in nuclear matter. *Modern Physics Letters A*, **2015**, 30, 1550026	1.3	1
57	The Corrosion Resistance of NiTi-Active Element before and after Thermo-Mechanical Solicitation. *Applied Mechanics and Materials*, **2013**, 371, 353-357	0.3	1
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53	Reissner-Nordström-de-Sitter-type Solution by a Gauge Theory of Gravity. *Chinese Physics Letters*, **2008**, 25, 3570-3573	1.8	1
52	Gauge Gravitational Field in a Fractal Space-Time. *Communications in Theoretical Physics*, **2008**, 50, 1197-1204	1.4	1
51	Towards a self-organizing Universe. *Journal of Physics: Conference Series*, **2008**, 96, 012141	0.3	1
50	El Naschie's $\varepsilon^{(\infty)}$-space-time, interface between Weyl-Dirac bubbles and Cantorian fractal superstring. *Chaos, Solitons and Fractals*, **2007**, 34, 235-243	9.3	1
49	On the Weyl-Dirac duality by means of a Cantorian fractal string. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2003**, 314, 131-139	2.3	1
48	Dendritic Morphogenesis by Means of a Fractal. *Materials Transactions*, **2004**, 45, 1528-1534	1.3	1
47	Cantorian $E^{(\infty)}$-space-time and the energy gap of high temperature superconductors. *Chaos, Solitons and Fractals*, **2001**, 12, 735-740	9.3	1

46	Cantorian-fractal space-time and particles in a generalized magnetic field. *Chaos, Solitons and Fractals*, **2001**, 12, 1489-1497	9.3	1
45	Ginzburg–Landau equation and the temperature dependence of the superconducting state parameters. *Physica C: Superconductivity and Its Applications*, **2000**, 336, 123-130	1.3	1
44	A possible new approach of superconductivity. *Physica Status Solidi (B): Basic Research*, **1996**, 196, 367-372	1.3	1
43	Cellular Self-Structuring and Turbulent Behaviors in Atmospheric Laminar Channels. *Frontiers in Earth Science*, **2022**, 9,	3.5	1
42	Assessment of Complex System Dynamics via Harmonic Mapping in a Multifractal Paradigm. *Mathematics*, **2021**, 9, 3298	2.3	1
41	A fractal physics explanation for acute thrombotic occlusion in an apparently healthy coronary artery. *Anatolian Journal of Cardiology*, **2017**, 18, 155-157	0.8	1
40	Holographic-Type Gravitation via Non-Differentiability in Weyl-Dirac Theory. *Journal of Modern Physics*, **2013**, 04, 165-171	0.5	1
39	Several hypertopologies: A short overview **2019**, 1-7		1
38	Atomicity via regularity for non-additive set multifunctions **2019**, 123-131		1
37	Toward Interactions through Information in a Multifractal Paradigm. *Entropy*, **2020**, 22,	2.8	1
36	Dynamic Evaluation of Traffic Noise through Standard and Multifractal Models. *Symmetry*, **2020**, 12, 1857	2.7	1
35	Non-Linear Behaviors of Transient Periodic Plasma Dynamics in a Multifractal Paradigm. *Symmetry*, **2020**, 12, 1356	2.7	1
34	A Theoretical Model for Release Dynamics of an Antifungal Agent Covalently Bonded to the Chitosan. *Molecules*, **2021**, 26,	4.8	1
33	The Classical Theory of Light Colors: a Paradigm for Description of Particle Interactions. *International Journal of Theoretical Physics*, **2016**, 55, 2773-2793	1.1	1
32	Fractal-Type Dynamical Behaviors of Complex Systems. *Complexity*, **2018**, 2018, 1-3	1.6	1
31	Space-and time-resolved optical investigations on ns-laser produced plasmas on various geological samples. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2020**, 170, 105904	3.1	0
30	Multifractal Model for Transient Phenomena Analysis in Laser Produced Plasmas. *Symmetry*, **2021**, 13, 1968	2.7	0
29	Novel Approach for EKG Signals Analysis Based on Markovian and Non-Markovian Fractalization Type in Scale Relativity Theory. *Symmetry*, **2021**, 13, 456	2.7	0

28	Novel Approach for EEG Signal Analysis in a Multifractal Paradigm of Motions. Epileptic and Eclamptic Seizures as Scale Transitions. *Symmetry*, **2021**, 13, 1024	2.7	0
27	Evaluating atrial fibrillations through strange attractors dynamics. *General Physiology and Biophysics*, **2021**, 40, 377-386	2.1	0
26	Prospects and Challenges of the Drug Delivery Systems in Endometriosis Pain Management: Experimental and Theoretical Aspects.. *Journal of Immunology Research*, **2021**, 2021, 2727174	4.5	0
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