

Maricel Agop

List of Publications by Year in Descending Order

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

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	Cellular Self-Structuring and Turbulent Behaviors in Atmospheric Laminar Channels. <i>Frontiers in Earth Science</i> , 2022 , 9,	3.5	1
206	Multifractality via Stochasticity in Atmospheric Dynamics Description Validated through Remote Sensing Data. <i>Mathematics</i> , 2022 , 10, 1004	2.3	
205	Statistical Analysis and Machine Learning Used in the Case of Two Behavioral Tests Applied in Zebrafish Exposed to Mycotoxins. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2908	2.6	
204	Boundary Layer via Multifractal Mass Conductivity through Remote Sensing Data in Atmospheric Dynamics. <i>Fractal and Fractional</i> , 2022 , 6, 250	3	0
203	Update on the Use of Nanocarriers and Drug Delivery Systems and Future Directions in Cervical Cancer.. <i>Journal of Immunology Research</i> , 2022 , 2022, 1636908	4.5	
202	The Atom, from a Mathematical-Physical Perspective. <i>Springer Proceedings in Complexity</i> , 2022 , 167-179	0.3	
201	Nanotechnology and Immunomodulators in Cancer 2022 , 125-186		0
200	Assessment of Complex System Dynamics via Harmonic Mapping in a Multifractal Paradigm. <i>Mathematics</i> , 2021 , 9, 3298	2.3	1
199	Fractal Atomicity, a Fundamental Concept in the Dynamics of Complex Systems. <i>Springer Proceedings in Complexity</i> , 2021 , 29-40	0.3	
198	Multifractal Model for Transient Phenomena Analysis in Laser Produced Plasmas. <i>Symmetry</i> , 2021 , 13, 1968	2.7	0
197	Novel Approach for EKG Signals Analysis Based on Markovian and Non-Markovian Fractalization Type in Scale Relativity Theory. <i>Symmetry</i> , 2021 , 13, 456	2.7	0
196	Toward Complex Systems Dynamics through Flow Regimes of Multifractal Fluids. <i>Symmetry</i> , 2021 , 13, 754	2.7	
195	A Theoretical Model for Release Dynamics of an Antifungal Agent Covalently Bonded to the Chitosan. <i>Molecules</i> , 2021 , 26,	4.8	1
194	Novel Approach for EEG Signal Analysis in a Multifractal Paradigm of Motions. Epileptic and Eclamptic Seizures as Scale Transitions. <i>Symmetry</i> , 2021 , 13, 1024	2.7	0
193	Theoretical model for the diclofenac release from PEGylated chitosan hydrogels. <i>Drug Delivery</i> , 2021 , 28, 261-271	7	3
192	Multifractal Model of Atmospheric Turbulence Applied to Elastic Lidar Data. <i>Atmosphere</i> , 2021 , 12, 226	2.7	5
191	Towards Possible Laminar Channels through Turbulent Atmospheres in a Multifractal Paradigm. <i>Atmosphere</i> , 2021 , 12, 1038	2.7	3

190	Biolographic Implementations in the Complex Fluid Dynamics through a Fractal Paradigm. <i>Mathematics</i> , 2021 , 9, 2273	2.3	2
189	Evaluating atrial fibrillations through strange attractors dynamics. <i>General Physiology and Biophysics</i> , 2021 , 40, 377-386	2.1	0
188	Prospects and Challenges of the Drug Delivery Systems in Endometriosis Pain Management: Experimental and Theoretical Aspects.. <i>Journal of Immunology Research</i> , 2021 , 2021, 2727174	4.5	0
187	Poly(vinyl alcohol boric acid)-Diclofenac Sodium Salt Drug Delivery Systems: Experimental and Theoretical Studies. <i>Journal of Immunology Research</i> , 2020 , 2020, 3124304	4.5	5
186	A Theoretical Multifractal Model for Assessing Urea Release from Chitosan Based Formulations. <i>Polymers</i> , 2020 , 12,	4.5	3
185	Charged Particle Oscillations in Transient Plasmas Generated by Nanosecond Laser Ablation on Mg Target. <i>Symmetry</i> , 2020 , 12, 292	2.7	4
184	On the Chameleonic Behaviour of Cholesterol through a Fractal/Multifractal Model. <i>Computational and Mathematical Methods in Medicine</i> , 2020 , 2020, 6217691	2.8	
183	Towards Stochasticity through Joint Invariant Functions of Two Isomorphic Lie Algebras of SL(2R) Type. <i>Symmetry</i> , 2020 , 12, 226	2.7	
182	Space-and time-resolved optical investigations on ns-laser produced plasmas on various geological samples. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020 , 170, 105904	3.1	0
181	On a Multifractal Approach of Turbulent Atmosphere Dynamics. <i>Frontiers in Earth Science</i> , 2020 , 8,	3.5	6
180	In-Situ Plasma Monitoring during the Pulsed Laser Deposition of Ni60Ti40 Thin Films. <i>Symmetry</i> , 2020 , 12, 109	2.7	2
179	Investigations of Transient Plasma Generated by Laser Ablation of Hydroxyapatite during the Pulsed Laser Deposition Process. <i>Symmetry</i> , 2020 , 12, 132	2.7	2
178	Brain Dynamics Explained by Means of Spectral-Structural Neuronal Networks. <i>Springer Proceedings in Complexity</i> , 2020 , 27-44	0.3	
177	Target properties Plasma dynamics relationship in laser ablation of metals: Common trends for fs, ps and ns irradiation regimes. <i>Applied Surface Science</i> , 2020 , 506, 144926	6.7	21
176	Toward Interactions through Information in a Multifractal Paradigm. <i>Entropy</i> , 2020 , 22,	2.8	1
175	Dynamic Evaluation of Traffic Noise through Standard and Multifractal Models. <i>Symmetry</i> , 2020 , 12, 1857.	2.7	1
174	A theoretical mathematical model for assessing diclofenac release from chitosan-based formulations. <i>Drug Delivery</i> , 2020 , 27, 1125-1133	7	8
173	Non-Linear Behaviors of Transient Periodic Plasma Dynamics in a Multifractal Paradigm. <i>Symmetry</i> , 2020 , 12, 1356	2.7	1

172	Particle distribution in transient plasmas generated by ns-laser ablation on ternary metallic alloys. <i>Applied Physics B: Lasers and Optics</i> , 2019 , 125, 1	1.9	11
171	A Turbulence-Oriented Approach to Retrieve Various Atmospheric Parameters Using Advanced Lidar Data Processing Techniques. <i>Atmosphere</i> , 2019 , 10, 38	2.7	9
170	Theoretical Modeling of Long-Time Drug Release from Nitrosalicyl-Imine-Chitosan Hydrogels through Multifractal Logistic Type Laws. <i>Computational and Mathematical Methods in Medicine</i> , 2019 , 2019, 4091464	2.8	10
169	Atomicity through Fractal Measure Theory 2019 ,		7
168	Investigations of Laser Produced Plasmas Generated by Laser Ablation on Geomaterials. Experimental and Theoretical Aspects. <i>Symmetry</i> , 2019 , 11, 1391	2.7	5
167	Several hypertopologies: A short overview 2019 , 1-7		1
166	Extended atomicity through non-differentiability and its physical implications 2019 , 133-162		
165	Atomicity via regularity for non-additive set multifunctions 2019 , 123-131		1
164	Lorenz Type Behaviors in the Dynamics of Laser Produced Plasma. <i>Symmetry</i> , 2019 , 11, 1135	2.7	3
163	Extended Minimal Atomicity through Nondifferentiability: A Mathematical-Physical Approach. <i>Advances in Mathematical Physics</i> , 2019 , 2019, 1-16	1.1	3
162	A fractal approach of the sound absorption behaviour of materials. Theoretical and experimental aspects. <i>International Journal of Non-Linear Mechanics</i> , 2018 , 103, 128-137	2.8	4
161	On the separation of particle flow during pulse laser deposition of heterogeneous materials - A multi-fractal approach. <i>Powder Technology</i> , 2018 , 339, 273-280	5.2	13
160	Aspects Regarding the Pharmaceutical Waste Management in Romania. <i>Sustainability</i> , 2018 , 10, 2788	3.6	44
159	Operational Procedures in the Theory of the Drug Release from Chitosan Hydrogels 2018 , 55, 590-594		2
158	Theoretical Modeling of the Interaction Between Two Complex Space Charge Structures in Low-Temperature Plasma 2018 , 107-124		
157	Analysis of Low-Frequency Instabilities in Low-Temperature Magnetized Plasma 2018 , 93-106		
156	Fractal-Type Dynamical Behaviors of Complex Systems. <i>Complexity</i> , 2018 , 2018, 1-3	1.6	1
155	Fractal Method for Modeling the Peculiar Dynamics of Transient Carbon Plasma Generated by Excimer Laser Ablation in Vacuum. <i>Complexity</i> , 2018 , 2018, 1-8	1.6	7

154	A compact non-differential approach for modeling laser ablation plasma dynamics. <i>Journal of Applied Physics</i> , 2017 , 121, 083301	2.5	16
153	Langmuir probe investigation of transient plasmas generated by femtosecond laser ablation of several metals: Influence of the target physical properties on the plume dynamics. <i>Applied Surface Science</i> , 2017 , 417, 108-118	6.7	20
152	Plume splitting and oscillatory behavior in transient plasmas generated by high-fluence laser ablation in vacuum. <i>Applied Surface Science</i> , 2017 , 424, 299-309	6.7	28
151	Experimental and theoretical considerations on sound absorption performance of waste materials including the effect of backing plates. <i>Applied Acoustics</i> , 2017 , 119, 88-93	3.1	45
150	Investigation of femtosecond laser-produced plasma from various metallic targets using the Langmuir probe characteristic. <i>Physics of Plasmas</i> , 2017 , 24, 103119	2.1	17
149	Intergranular degradation of stainless steel tubular components used for kerosene transportation. Metallographic analysis. <i>MATEC Web of Conferences</i> , 2017 , 121, 09007	0.3	
148	Experimental and Theoretical Studies on the Dynamics of Transient Plasmas Generated by Laser Ablation in Various Temporal Regimes 2017 ,		2
147	Pairs Generating as a Consequence of the Fractal Entropy: Theory and Applications. <i>Entropy</i> , 2017 , 19, 128	2.8	2
146	Anisotropy Influences on the Drug Delivery Mechanisms by Means of Joint Invariant Functions. <i>Computational and Mathematical Methods in Medicine</i> , 2017 , 2017, 5748273	2.8	1
145	A fractal physics explanation for acute thrombotic occlusion in an apparently healthy coronary artery. <i>Anatolian Journal of Cardiology</i> , 2017 , 18, 155-157	0.8	1
144	Fractal Information by Means of Harmonic Mappings and Some Physical Implications. <i>Entropy</i> , 2016 , 18, 160	2.8	4
143	Atomicity via regularity for non-additive set multifunctions. <i>Soft Computing</i> , 2016 , 20, 4761-4766	3.5	7
142	Role of surface gauging in extended particle interactions: The case for spin. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	1
141	From Kepler problem to skyrmions. <i>Modern Physics Letters B</i> , 2016 , 30, 1650153	1.6	1
140	New mechanisms of vesicles migration. <i>General Physiology and Biophysics</i> , 2016 , 35, 287-98	2.1	3
139	Fractal Aspects in Classical Parallel Computing. <i>Computers</i> , 2016 , 5, 19	1.9	
138	A multiscale mechanism of drug release from polymeric matrices: confirmation through a nonlinear theoretical model. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 21809-16	3.6	5
137	The Classical Theory of Light Colors: a Paradigm for Description of Particle Interactions. <i>International Journal of Theoretical Physics</i> , 2016 , 55, 2773-2793	1.1	1

136	Implications of Onicescu's informational energy in some fundamental physical models. <i>International Journal of Modern Physics B</i> , 2015 , 29, 1550045	1.1	13
135	Implications of Non-Differentiable Entropy on a Space-Time Manifold. <i>Entropy</i> , 2015 , 17, 2184-2197	2.8	10
134	Solid components separation from heterogeneous mixtures through turbulence control. <i>Powder Technology</i> , 2015 , 284, 170-186	5.2	4
133	Investigations on Thermal Conductivity of Carbon Nanotubes Reinforced Composites. <i>Experimental Heat Transfer</i> , 2015 , 28, 37-57	2.4	12
132	Non-linear behaviours in complex fluid dynamics via non-differentiability. Separation control of the solid components from heterogeneous mixtures. <i>Powder Technology</i> , 2015 , 269, 452-460	5.2	4
131	Some Generalized Physical Models Through Homographic Group. <i>Reports on Mathematical Physics</i> , 2015 , 76, 231-246	0.8	1
130	On the interaction between two fireballs in low-temperature plasma. <i>Physics of Plasmas</i> , 2015 , 22, 113511	1.1	16
129	A mathematical-physical approach on regularity in hit-and-miss hypertopologies for fuzzy set multifunctions. <i>Mathematical Sciences</i> , 2015 , 9, 181-188	1.6	2
128	Measuring the Electrical Properties of MWNT-PA6 Reinforced Nanocomposites. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-9	3.2	2
127	SL(2, R) Invariance of the Kepler Type Motions and Shannon Informational Entropy. Uncertainty Relations Through the Constant Value of the Onicescu Informational Energy. <i>Reports on Mathematical Physics</i> , 2015 , 75, 101-112	0.8	3
126	The concept of physical surface in nuclear matter. <i>Modern Physics Letters A</i> , 2015 , 30, 1550026	1.3	1
125	Differentiability and Fractality in Dynamics of Physical Systems 2015 ,		19
124	Phases in the temporal multiscale evolution of the drug release mechanism in IPN-type chitosan based hydrogels. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 25896-905	3.6	21
123	Order to Chaos Transition in Plasma via Non-Differentiability: Experimental and Theoretical Investigations. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 054501	1.5	3
122	A gauge theory of nucleonic interactions by contact. <i>Modern Physics Letters A</i> , 2014 , 29, 1450073	1.3	2
121	Dispersive effects in laser ablation plasmas. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 116202	1.4	20
120	Some Aspects Concerning the "Memorization Effect" in Complex Fluid. <i>Acta Physica Polonica A</i> , 2014 , 126, 663-670	0.6	
119	Informational Non-Differentiable Entropy and Uncertainty Relations in Complex Systems. <i>Entropy</i> , 2014 , 16, 6042-6058	2.8	11

118	Computational properties of a fractal medium. <i>International Journal of Quantum Information</i> , 2014 , 12, 1450022	0.8	3
117	Experimental and theoretical aspects of a laser produced plasma. <i>Physics of Plasmas</i> , 2014 , 21, 093509	2.1	18
116	Chemical properties of hydroxyapatite deposited through electrophoretic process on different sandblasted samples. <i>Materials Science-Poland</i> , 2014 , 32, 578-582	0.6	2
115	Generalized lift force for complex fluid. <i>Powder Technology</i> , 2013 , 235, 685-695	5.2	10
114	Experimental and theoretical investigations of plasma multiple double layers and their evolution to chaos. <i>Plasma Sources Science and Technology</i> , 2013 , 22, 035007	3.5	17
113	Dynamics Control of the Complex Systems via Nondifferentiability. <i>Journal of Applied Mathematics</i> , 2013 , 2013, 1-12	1.1	6
112	The Corrosion Resistance of NiTi-Active Element before and after Thermo-Mechanical Solicitation. <i>Applied Mechanics and Materials</i> , 2013 , 371, 353-357	0.3	1
111	Experimental and theoretical evidence for the chaotic dynamics of complex structures. <i>Physica Scripta</i> , 2013 , 87, 045501	2.6	13
110	A QUARK-INDEPENDENT DESCRIPTION OF CONFINEMENT. <i>Modern Physics Letters A</i> , 2013 , 28, 1350126	1.3	2
109	Holographic-Type Gravitation via Non-Differentiability in Weyl-Dirac Theory. <i>Journal of Modern Physics</i> , 2013 , 04, 165-171	0.5	1
108	Dynamics in the boundary layer of a flat particle. <i>Powder Technology</i> , 2012 , 221, 312-317	5.2	19
107	Experimental and Theoretical Investigations of the Negative Differential Resistance in a Discharge Plasma. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 064502	1.5	23
106	Characterization of Aluminum Laser Produced Plasma by Target Current Measurements. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 106102	1.4	10
105	CHAOS VIA FRACTALITY IN GRAVITATIONAL SYSTEMS DYNAMICS: A NEW APPROACH (I). <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1250299	2	3
104	Nonlinearities in Drug Release Process from Polymeric Microparticles: Long-Time-Scale Behaviour. <i>Journal of Applied Mathematics</i> , 2012 , 2012, 1-26	1.1	7
103	New Model for Heat Transfer in Nanostructures. <i>Journal of Computational and Theoretical Nanoscience</i> , 2012 , 9, 55-66	0.3	3
102	Characterization of Aluminum Laser Produced Plasma by Target Current Measurements. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 106102	1.4	9
101	Some implications of Scale Relativity theory in avascular stages of growth of solid tumors in the presence of an immune system response. <i>Journal of Theoretical Biology</i> , 2011 , 282, 52-64	2.3	7

100	The chaotic atom model via a fractal approximation of motion. <i>Physica Scripta</i> , 2011 , 84, 045017	2.6	
99	Experimental and Modeling Results on Multiple Double Layers in Low-Temperature Discharge Plasma. <i>IEEE Transactions on Plasma Science</i> , 2011 , 39, 2316-2317	1.3	
98	THE MICROSCOPIC-MACROSCOPIC SCALE TRANSFORMATION THROUGH A CHAOS SCENARIO IN THE FRACTAL SPACE-TIME THEORY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011 , 21, 603-618	2	21
97	Experimental and theoretical investigations of a plasma fireball dynamics. <i>Physics of Plasmas</i> , 2010 , 17, 042305	2.1	20
96	Static and free time-dependent fractal systems through an extended hydrodynamic model of the scale relativity theory. <i>Physica Scripta</i> , 2010 , 82, 015010	2.6	4
95	Conductive and Convective Types Behaviors at Nano-Time Scales. <i>Journal of Computational and Theoretical Nanoscience</i> , 2010 , 7, 2271-2280	0.3	20
94	Oscillatory Langmuir probe ion current in laser-produced plasma expansion. <i>Europhysics Letters</i> , 2010 , 89, 65001	1.6	21
93	Implications of an extended fractal hydrodynamic model. <i>European Physical Journal D</i> , 2010 , 56, 405-419	1.3	20
92	Multi-peak structure of the ion current in laser produced plasma. <i>European Physical Journal D</i> , 2010 , 60, 317-323	1.3	4
91	Al ₂ O ₃ ceramics under high-fluence irradiation: plasma plume dynamics through space- and time-resolved optical emission spectroscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2010 , 101, 153-159	2.6	27
90	Non-Differentiable Mechanical Model and Its Implications. <i>International Journal of Theoretical Physics</i> , 2010 , 49, 1489-1506	1.1	10
89	The time dependent Ginzburg-Andau equation in fractal space-time. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010 , 374, 2757-2765	2.3	10
88	Ricci flat black holes in higher dimensional SU(2) Einstein-Yang-Mills theory with negative cosmological constant. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 688, 88-95	4.2	1
87	Motion of Free Particles in Fractal Space-time. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2009 , 10,	1.8	6
86	Stochastic resonance and vibrational resonance in an excitable system: The golden mean barrier. <i>Chaos, Solitons and Fractals</i> , 2009 , 41, 727-734	9.3	18
85	Games with Cantor dust. <i>Chaos, Solitons and Fractals</i> , 2009 , 40, 940-945	9.3	2
84	Feigenbaum scenario in the dynamics of a metal-oxide semiconductor heterostructure under harmonic perturbation. Golden mean criticality. <i>Chaos, Solitons and Fractals</i> , 2009 , 40, 975-980	9.3	5
83	Transport phenomena in nanostructures and non-differentiable space-time. <i>Chaos, Solitons and Fractals</i> , 2009 , 40, 803-814	9.3	1

82	Experimental and Theoretical Aspects of Aluminum Expanding Laser Plasma. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 066001	1.4	30
81	Experimental and theoretical investigations of a laser-produced aluminum plasma. <i>Physical Review E</i> , 2008 , 78, 026405	2.4	79
80	Waveparticle duality through an extended model of the scale relativity theory. <i>Physica Scripta</i> , 2008 , 78, 065101	2.6	3
79	Reissner-Nordström-deSitter-type Solution by a Gauge Theory of Gravity. <i>Chinese Physics Letters</i> , 2008 , 25, 3570-3573	1.8	1
78	Gauge Gravitational Field in a Fractal Space-Time. <i>Communications in Theoretical Physics</i> , 2008 , 50, 1197-1204	1.2	1
77	Suggestions for classifying the fractals and their connections with the Cantor's cardinal numbers. <i>Journal of Physics: Conference Series</i> , 2008 , 96, 012142	0.3	
76	Towards a self-organizing Universe. <i>Journal of Physics: Conference Series</i> , 2008 , 96, 012141	0.3	1
75	On the vacuum status in Weyl-Dirac theory. <i>General Relativity and Gravitation</i> , 2008 , 40, 35-55	2.3	24
74	El Naschie's theory and effects of nanoparticle clustering on the heat transport in nanofluids. <i>Chaos, Solitons and Fractals</i> , 2008 , 37, 1269-1278	9.3	19
73	El Naschie's space-time and scale relativity theory in the topological dimension $D = 3$. <i>Chaos, Solitons and Fractals</i> , 2008 , 38, 1243-1253	9.3	2
72	Fractal model of the atom and some properties of the matter through an extended model of scale relativity. <i>European Physical Journal D</i> , 2008 , 49, 239-248	1.3	19
71	Evaluation of chemical, physical, and biologic properties of tumor-targeting radioiodinated quinazolinone derivative. <i>Bioconjugate Chemistry</i> , 2007 , 18, 754-64	6.3	20
70	El Naschie's space-time, interface between Weyl-Dirac bubbles and Cantorian fractal superstring. <i>Chaos, Solitons and Fractals</i> , 2007 , 34, 235-243	9.3	1
69	El Naschie's theory and an alternative to gauged spacetime scale relativity theory. <i>Chaos, Solitons and Fractals</i> , 2007 , 34, 1025-1029	9.3	7
68	El Naschie's superconductivity in the time dependent Ginzburg-Landau model. <i>Chaos, Solitons and Fractals</i> , 2007 , 34, 1060-1074	9.3	7
67	El Naschie's self-organization of the patterns in a plasma discharge: Experimental and theoretical results. <i>Chaos, Solitons and Fractals</i> , 2007 , 34, 172-186	9.3	4
66	Golden mean relevance for chaos inhibition in a system of two coupled modified van der Pol oscillators. <i>Chaos, Solitons and Fractals</i> , 2007 , 31, 1035-1040	9.3	2
65	Gauge theories on El Naschie's space-time topology. <i>Chaos, Solitons and Fractals</i> , 2007 , 32, 296-301	9.3	5

- 64 El Naschie \mathbb{D} space-time, hydrodynamic model of scale relativity theory and some applications. *Chaos, Solitons and Fractals*, **2007**, 34, 1704-1723 9.3 16
- 63 El Naschie \mathbb{D} space-time and scale relativity theory in the topological dimension $D = 4$. *Chaos, Solitons and Fractals*, **2007**, 32, 1231-1240 9.3 14
- 62 Ball lightning as a self-organizing process of a plasma-plasma interface and El Naschie \mathbb{D} space-time. *Chaos, Solitons and Fractals*, **2007**, 33, 754-769 9.3
- 61 A Theoretical Approach of the Heat Transfer in Nanofluids. *Materials Transactions*, **2007**, 48, 3021-3023 1.3 7
- 60 El Naschie \mathbb{D} space-time and gravitational instanton in Weyl-Dirac theory. *Chaos, Solitons and Fractals*, **2006**, 28, 306-312 9.3 2
- 59 Some experimental and theoretical results on the anodic patterns in plasma discharge. *Physics of Plasmas*, **2006**, 13, 063503 2.1 21
- 58 Gravitation theory in a fractal space-time. *Journal of Mathematical Physics*, **2006**, 47, 053503 1.2 6
- 57 El Naschie \mathbb{D} space-time and new results in scale relativity theories. *Chaos, Solitons and Fractals*, **2006**, 30, 380-398 9.3 17
- 56 El Naschie \mathbb{D} space-time and patterns in plasma discharge. *Chaos, Solitons and Fractals*, **2006**, 30, 470-489 9.3 4
- 55 El Naschie \mathbb{D} space-time and the two slit experiment in the Weyl-Dirac theory. *Chaos, Solitons and Fractals*, **2006**, 30, 441-452 9.3 6
- 54 El Naschie \mathbb{D} Cantorian gravity and Einstein \mathbb{D} quantum gravity. *Chaos, Solitons and Fractals*, **2006**, 30, 30-40. 9.3 5
- 53 El Naschie \mathbb{D} supergravity by means of the gravitational instantons synchronization. *Chaos, Solitons and Fractals*, **2006**, 30, 318-323 9.3 9
- 52 On a Petrov-type D solution in Einstein-scalar field theory. *General Relativity and Gravitation*, **2006**, 38, 1681-1686 2.3
- 51 Experimental and Theoretical Investigations of Anode Double Layer. *Japanese Journal of Applied Physics*, **2005**, 44, 3253-3259 1.4 7
- 50 El Naschie \mathbb{D} instanton by means of the Schwarzschild \mathbb{D} gravitational field. *Chaos, Solitons and Fractals*, **2005**, 25, 781-790 9.3 4
- 49 El Naschie \mathbb{D} Cantorian space-time and an alternative to the Jakub Czajko issue. *Chaos, Solitons and Fractals*, **2005**, 24, 701-706 9.3 2
- 48 El Naschie \mathbb{D} structures in the electrodynamics of polarizable media. *Chaos, Solitons and Fractals*, **2005**, 24, 1165-1181 9.3
- 47 Superconductivity by means of the subquantum medium coherence. *Journal of Mathematical Physics*, **2005**, 46, 062110 1.2 6

46	ON ERNST BLACK HOLES WITH A DILATON POTENTIAL. <i>Modern Physics Letters A</i> , 2005 , 20, 1077-1085	1.3	8
45	El Naschie's cantorians strings and dendritic morphogenesis. <i>Chaos, Solitons and Fractals</i> , 2004 , 21, 515-536	9.3	6
44	El Naschie's Cantorian space-time and general relativity by means of Barbilian's group.: A Cantorian fractal axiomatic model of space-time. <i>Chaos, Solitons and Fractals</i> , 2004 , 19, 705-730	9.3	22
43	El Naschie's cantorians strings and duality in Weyl-Dirac theory. <i>Chaos, Solitons and Fractals</i> , 2004 , 19, 1057-1070	9.3	3
42	Dendritic Morphogenesis by Means of a Fractal. <i>Materials Transactions</i> , 2004 , 45, 1528-1534	1.3	1
41	Fractal Characteristics of the Solidification Process. <i>Materials Transactions</i> , 2004 , 45, 972-975	1.3	7
40	On the Weyl-Dirac duality by means of a Cantorian fractal string. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003 , 314, 131-139	2.3	1
39	Cantorian E(1)space-time, frames and unitary theories. <i>Chaos, Solitons and Fractals</i> , 2003 , 15, 445-453	9.3	6
38	(1)Cantorian space-time, polarization gravitational field and van der Waals-type forces. <i>Chaos, Solitons and Fractals</i> , 2003 , 18, 1-16	9.3	11
37	Hydrodynamic formulation of scale relativity theory and unified superconductivity by means of a fractal string. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 390, 37-55	1.3	5
36	Cantorian E(1)space-time, gravitation and superconductivity. <i>Chaos, Solitons and Fractals</i> , 2002 , 13, 1137-1165	9.3	8
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