

# Giuseppe Vitiello

## List of Publications by Year in descending order

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Version: 2024-02-01

250  
papers

5,307  
citations

76196

40  
h-index

114278

63  
g-index

267  
all docs

267  
docs citations

267  
times ranked

1304  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellular and subcellular coherent dynamics, biological functional properties, and system-environment interaction. <i>Biocell</i> , 2022, 46, 1-6.	0.4	1
2	Fractals, metamorphoses and symmetries in quantum field theory. <i>EPJ Web of Conferences</i> , 2022, 263, 01008.	0.1	1
3	On Collective Molecular Dynamics in Biological Systems: A Review of Our Experimental Observations and Theoretical Modeling. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5145.	1.8	4
4	Electrically Induced Liquidâ€“Liquid Phase Transition in a Floating Water Bridge Identified by Refractive Index Variations. <i>Water (Switzerland)</i> , 2021, 13, 602.	1.2	3
5	Von Willebrand Factor Multimers and the Relaxation Response: A One-Year Study. <i>Entropy</i> , 2021, 23, 447.	1.1	2
6	Neural Networks and Many-Body Systems. <i>Contemporary Systems Thinking</i> , 2021, , 207-224.	0.3	2
7	Sounds Stimulation on In Vitro HL1 Cells: A Pilot Study and a Theoretical Physical Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 156.	1.8	12
8	A QFT Approach to Data Streaming in Natural and Artificial Neural Networks. , 2021, 81, .		1
9	Neutrino Mixing and Oscillations in Quantum Field Theory: A Comprehensive Introduction. <i>Universe</i> , 2021, 7, 504.	0.9	14
10	On the brain-mind visual experiences. , 2020, , .		1
11	Toward a Unified View of Cognitive and Biochemical Activity: Meditation and Linguistic Self-Reconstructing May Lead to Inflammation and Oxidative Stress Improvement. <i>Entropy</i> , 2020, 22, 818.	1.1	11
12	The Doubling of the Degrees of Freedom in Quantum Dissipative Systems, and the Semantic Information Notion and Measure in Biosemiotics. <i>Proceedings (mdpi)</i> , 2020, 47, 60.	0.2	1
13	The Doubling of the Degrees of Freedom in Quantum Dissipative Systems, and the Semantic Information Notion and Measure in Biosemiotics. <i>Proceedings (mdpi)</i> , 2020, 47, 69.	0.2	0
14	Dissipation, coherence and entanglement. <i>International Journal of Geometric Methods in Modern Physics</i> , 2020, 17, 2040005.	0.8	0
15	Symmetries and Metamorphoses. <i>Symmetry</i> , 2020, 12, 907.	1.1	3
16	Zero-point energy and photon spin-induced diffraction phenomena. <i>International Journal of Geometric Methods in Modern Physics</i> , 2020, 17, 2040006.	0.8	0
17	The Computational Challenge of Amartya Senâ€™s Social Choice Theory in Formal Philosophy. <i>Studies in Applied Philosophy, Epistemology and Rational Ethics</i> , 2020, , 87-119.	0.2	1
18	The Doubling of the Degrees of Freedom in Quantum Dissipative Systems, and the Semantic Information Notion and Measure in Biosemiotics. <i>Proceedings (mdpi)</i> , 2020, 47, 69.	0.2	1

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19	Non-linear Dynamics and Chaotic Trajectories in Brain-Mind Visual Experiences during Dreams, Meditation, and Non-Ordinary Brain Activity States. , 2020, 4, 1-19.		3
20	Canonical Quantization for Expanding Geometry Universe. , 2020, , 311-321.		0
21	Matter, mind and consciousness: from information to meaning. Journal of Integrative Neuroscience, 2020, 19, 701.	0.8	3
22	Modeling Meridians Within the Quantum Field Theory. JAMS Journal of Acupuncture and Meridian Studies, 2019, 12, 29-36.	0.3	9
23	Electrically induced liquidâ€“liquid phase transition in water at room temperature. Physical Chemistry Chemical Physics, 2019, 21, 18541-18550.	1.3	4
24	On the hurricane collective molecular dynamics. Journal of Physics: Conference Series, 2019, 1275, 012017.	0.3	3
25	Flavor neutrino states for pedestrians. Journal of Physics: Conference Series, 2019, 1275, 012023.	0.3	5
26	Stem Cell Differentiation Stage Factors and their Role in Triggering Symmetry Breaking Processes during Cancer Development: A Quantum Field Theory Model for Reprogramming Cancer Cells to Healthy Phenotypes. Current Medicinal Chemistry, 2019, 26, 988-1001.	1.2	4
27	Entanglement and Phase-Mediated Correlations in Quantum Field Theory. Application to Brain-Mind States. Applied Sciences (Switzerland), 2019, 9, 3203.	1.3	31
28	Dynamics of zero-point energy and two-slit phenomena for photons. Physica Scripta, 2019, 94, 115505.	1.2	2
29	Brain, Mind, and the Ontological Prejudice. Activitas Nervosa Superior, 2019, 61, 112-115.	0.4	1
30	Mind and Matter. Two Entangled Parallel Time-Lines, One Reconstructing the Past in Remembering, the Other Extrapolating into the Future in Predicting. Synthese Library, 2019, , 103-113.	0.1	0
31	On the molecular dynamics in the hurricane interactions with its environment. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1441-1448.	0.9	7
32	Water-mediated correlations in DNA-enzyme interactions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 33-43.	0.9	25
33	On the canonical quantization of the electromagnetic field and the emergence of gauge invariance. Journal of Physics: Conference Series, 2018, 1071, 012002.	0.3	0
34	Dynamical Rearrangement of Symmetry and Robustness in Physics and Biology. History, Philosophy and Theory of the Life Sciences, 2018, , 219-234.	0.4	0
35	Geometric phase of neutrinos: Differences between Dirac and Majorana neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 216-220.	1.5	21
36	Experimental study of physicochemical changes in water by iterative contact with hydrophilic polymers: A comparison between Cellulose and Nafion. Journal of Molecular Liquids, 2018, 268, 598-609.	2.3	13

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37	Quantum field theory and coalgebraic logic in theoretical computer science. Progress in Biophysics and Molecular Biology, 2017, 130, 39-52.	1.4	18
38	Thermal vacuum, cosmic microwave radiation, neutrino masses and fractal-like self-similar structure. Journal of Physics: Conference Series, 2017, 880, 012060.	0.3	0
39	Third Factors in Language Design: Some Suggestions from Quantum Field Theory. , 2017, , 134-152.		4
40	Bessel-like functional distributions in brain average evoked potentials. Journal of Integrative Neuroscience, 2017, 16, S85-S98.	0.8	3
41	Phase space picture of neutrino mixing and oscillations. Journal of Physics: Conference Series, 2017, 880, 012061.	0.3	0
42	Water Bridging Dynamics of Polymerase Chain Reaction in the Gauge Theory Paradigm of Quantum Fields. Water (Switzerland), 2017, 9, 339.	1.2	23
43	Addendum: Montagnier, L.; AÃssa, J.; Capolupo, A.; Craddock, T.J.A.; Kurian, P.; Lavalley, C.; Polcari, A.; Romano, P.; Tedeschi, A.; Vitiello, G. Water Bridging Dynamics of Polymerase Chain Reaction in the Gauge Theory Paradigm of Quantum Fields. Water 2017, 9, 339. Water (Switzerland), 2017, 9, 436.	1.2	3
44	Quantum field theory and the linguistic Minimalist Program: a remarkable isomorphism. Journal of Physics: Conference Series, 2017, 880, 012016.	0.3	6
45	Thermal Condensate Structure and Cosmological Energy Density of the Universe. Advances in High Energy Physics, 2016, 2016, 1-6.	0.5	6
46	Geometric structures, fractal self-similarity, squeezed coherent states and electrodynamics. Journal of Physics: Conference Series, 2016, 670, 012052.	0.3	0
47	â€And Kronos Ate His Sons. , 2016, , 465-486.		3
48	On the rÃle of rotations and Bogoliubov transformations in neutrino mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 104-110.	1.5	21
49	Commentary by Giuseppe Vitiello. Studies in Systems, Decision and Control, 2016, , 239-249.	0.8	4
50	Axion-photon mixing and geometric phase. Journal of Physics: Conference Series, 2015, 626, 012059.	0.3	1
51	Time-reversal and the Bessel equation. Journal of Physics: Conference Series, 2015, 631, 012023.	0.3	0
52	7th International Workshop DICE2014 Spacetime â€Matter â€ Quantum Mechanics. Journal of Physics: Conference Series, 2015, 626, 011001.	0.3	0
53	Disentangling mass and angle dependence in neutrino mixing. Journal of Physics: Conference Series, 2015, 626, 012026.	0.3	3
54	Noncommutative spectral geometry, Bogoliubov transformations and neutrino oscillations. Journal of Physics: Conference Series, 2015, 626, 012014.	0.3	0

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55	Probing Mixing of Photons and Axion-Like Particles by Geometric Phase. <i>Advances in High Energy Physics</i> , 2015, 2015, 1-7.	0.5	5
56	Vacuum Condensate, Geometric Phase, Unruh Effect, and Temperature Measurement. <i>Advances in High Energy Physics</i> , 2015, 2015, 1-8.	0.5	2
57	Advanced Models of Cortical Dynamics in Perception. <i>Advances in Cognitive Neurodynamics</i> , 2015, , 127-136.	0.1	6
58	The role of coherence in emergent behavior of biological systems. <i>Electromagnetic Biology and Medicine</i> , 2015, 34, 138-140.	0.7	9
59	Transduction of DNA information through water and electromagnetic waves. <i>Electromagnetic Biology and Medicine</i> , 2015, 34, 106-112.	0.7	69
60	Brain Dynamics, Chaos and Bessel Functions. <i>Journal of Physics: Conference Series</i> , 2015, 626, 012069.	0.3	1
61	Bessel functions in mass action modeling of memories and remembrances. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 2198-2208.	0.9	8
62	The use of many-body physics and thermodynamics to describe the dynamics of rhythmic generators in sensory cortices engaged in memory and learning. <i>Current Opinion in Neurobiology</i> , 2015, 31, 7-12.	2.0	24
63	On the Isomorphism between Dissipative Systems, Fractal Self-Similarity and Electrodynamics. <i>Toward an Integrated Vision of Nature. Systems</i> , 2014, 2, 203-216.	1.2	40
64	Doubling of the algebra and neutrino mixing within noncommutative spectral geometry. <i>European Physical Journal C</i> , 2014, 74, 1.	1.4	5
65	The FAZIA project in Europe: R&D phase. <i>European Physical Journal A</i> , 2014, 50, 1.	1.0	63
66	On the coherent behavior of pancreatic beta cell clusters. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 3210-3217.	0.9	31
67	SELF-SIMILARITY PROPERTIES OF NAFIONIZED AND FILTERED WATER AND DEFORMED COHERENT STATES. <i>International Journal of Modern Physics B</i> , 2014, 28, 1450007.	1.0	15
68	Dissipation of "dark energy" by cortex in knowledge retrieval. <i>Physics of Life Reviews</i> , 2013, 10, 85-94.	1.5	46
69	Probing Hawking and Unruh effects and quantum field theory in curved space by geometric invariants. <i>Physical Review D</i> , 2013, 88, .	1.6	13
70	Reply to comments received for "Dissipation of "dark energy" by cortex in knowledge retrieval". <i>Physics of Life Reviews</i> , 2013, 10, 112-116.	1.5	0
71	Noncommutative spectral geometry and the deformed Hopf algebra structure of quantum field theory. <i>Journal of Physics: Conference Series</i> , 2013, 442, 012016.	0.3	0
72	Spontaneous Supersymmetry Breaking Probed by Geometric Invariants. <i>Advances in High Energy Physics</i> , 2013, 2013, 1-5.	0.5	16

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73	Coherent structures in liquid water close to hydrophilic surfaces. Journal of Physics: Conference Series, 2013, 442, 012028.	0.3	28
74	Geometric invariants as detector of Hawking and Unruh effects and quantum field theory in curved space. Journal of Physics: Conference Series, 2013, 442, 012069.	0.3	0
75	DICE 2012 : Spacetime Matter Quantum Mechanics " from the Planck scale to emergent phenomena. Journal of Physics: Conference Series, 2013, 442, 011001.	0.3	0
76	Flavor mixing and gauge structure. , 2012, , .		0
77	Concentrating energy by measurement. , 2012, , .		2
78	CORTICAL PHASE TRANSITIONS, NONEQUILIBRIUM THERMODYNAMICS AND THE TIME-DEPENDENT GINZBURG-LANDAU EQUATION. International Journal of Modern Physics B, 2012, 26, 1250035.	1.0	36
79	Fractals as macroscopic manifestation of squeezed coherent states and brain dynamics. Journal of Physics: Conference Series, 2012, 380, 012021.	0.3	10
80	Noncommutative spectral geometry, dissipation and the origin of quantization. Journal of Physics: Conference Series, 2012, 361, 012025.	0.3	4
81	't Hooft Quantization for Interacting Systems. Journal of Physics: Conference Series, 2012, 343, 012110.	0.3	1
82	Fractals, coherent states and self-similarity induced noncommutative geometry. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 2527-2532.	0.9	64
83	Adaptation of the generalized Carnot cycle to describe thermodynamics of cerebral cortex. , 2012, , .		11
84	Fractals, logarithmic spiral and coherent states. , 2012, , .		0
85	Fractals, Dissipation and Coherent States. Lecture Notes in Computer Science, 2012, , 68-79.	1.0	2
86	Water Plasma Modes and Nuclear Transmutations on the Metallic Cathode of a Plasma Discharge Electrolytic Cell. Key Engineering Materials, 2011, 495, 124-128.	0.4	4
87	DNA waves and water. Journal of Physics: Conference Series, 2011, 306, 012007.	0.3	66
88	Hiroomi Umezawa and Quantum Field Theory. NeuroQuantology, 2011, 9, .	0.1	1
89	Emission of photons through cavity mirrors in the absence of external driving. Journal of Physics: Conference Series, 2011, 306, 012072.	0.3	0
90	Geometric phase and gauge theory structure in quantum computing. Journal of Physics: Conference Series, 2011, 306, 012065.	0.3	1

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91	Non-abelian gauge structure in neutrino mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 238-245.	1.5	19
92	Noncommutative spectral geometry, algebra doubling, and the seeds of quantization. Physical Review D, 2011, 84, .	1.6	27
93	The interplay of biomolecules and water at the origin of the active behavior of living organisms. Journal of Physics: Conference Series, 2011, 329, 012001.	0.3	16
94	GAUGE THEORY AND TWO LEVEL SYSTEMS. Modern Physics Letters B, 2011, 25, 1661-1670.	1.0	13
95	5th International Workshop DICE2010: Space-Time-Matter “ Current Issues in Quantum Mechanics and Beyond. Journal of Physics: Conference Series, 2011, 306, 011001.	0.3	3
96	Energy concentration in composite quantum systems. Physical Review A, 2010, 81, .	1.0	21
97	Particle mixing, flavor condensate and dark energy. Progress in Particle and Nuclear Physics, 2010, 64, 451-453.	5.6	24
98	Rotating wave approximation and entropy. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 3726-3732.	0.9	10
99	ON FLAVOR CONSERVATION IN WEAK INTERACTION DECAYS INVOLVING MIXED NEUTRINOS. International Journal of Modern Physics A, 2010, 25, 4179-4194.	0.5	22
100	VORTICES IN BRAIN WAVES. International Journal of Modern Physics B, 2010, 24, 3269-3295.	1.0	47
101	Fractals, Coherence and Brain Dynamics. , 2010, , .		0
102	DETERMINISM BENEATH COMPOSITE QUANTUM SYSTEMS. International Journal of Modern Physics A, 2009, 24, 3652-3659.	0.5	0
103	Dark energy and particle mixing. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 601-610.	0.9	54
104	Dissipation and quantization for composite systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 4106-4112.	0.9	26
105	On flavor violation for massive and mixed neutrinos. Nuclear Physics, Section B, Proceedings Supplements, 2009, 188, 37-39.	0.5	9
106	The investigation of nucleation using microelectrodes. Electrochimica Acta, 2009, 54, 879-887.	2.6	25
107	The investigation of the nucleation using microelectrodes. Electrochimica Acta, 2009, 54, 888-890.	2.6	7
108	Non-cyclic phases for neutrino oscillations in quantum field theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 674, 73-79.	1.5	17

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109	Dissipative neurodynamics in perception forms cortical patterns that are stabilized by vortices. Journal of Physics: Conference Series, 2009, 174, 012011.	0.3	17
110	COHERENT STATES, FRACTALS AND BRAIN WAVES. New Mathematics and Natural Computation, 2009, 05, 245-264.	0.4	59
111	Particle mixing as possible explanation of the dark energy conundrum. Journal of Physics: Conference Series, 2009, 174, 012063.	0.3	1
112	DICE 2008 " From Quantum Mechanics through Complexity to Spacetime: the role of emergent dynamical structures. Journal of Physics: Conference Series, 2009, 174, 011001.	0.3	0
113	Group Contraction in Quantum Field Theory. International Journal of Theoretical Physics, 2008, 47, 393-414.	0.5	0
114	Neutrino mixing, flavor states and dark energy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 588, 272-275.	0.7	27
115	Dissipation and spontaneous symmetry breaking in brain dynamics. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 304042.	0.7	63
116	The Dissipative Quantum Model of Brain and Laboratory Observations. , 2008, , 233-251.		20
117	DARK ENERGY, COSMOLOGICAL CONSTANT AND NEUTRINO MIXING. International Journal of Modern Physics A, 2008, 23, 4979-4990.	0.5	48
118	THE FORMATION OF COHERENT DOMAINS IN THE PROCESS OF SYMMETRY BREAKING PHASE TRANSITIONS. , 2008, , .		0
119	Double universe and the arrow of time. Journal of Physics: Conference Series, 2007, 67, 012010.	0.3	6
120	Flavor states of mixed neutrinos. AIP Conference Proceedings, 2007, , .	0.3	0
121	Cosmological effects of neutrino mixing. AIP Conference Proceedings, 2007, , .	0.3	1
122	Dark energy induced by neutrino mixing. Journal of Physics: Conference Series, 2007, 67, 012032.	0.3	5
123	Quantum fluctuations, gauge freedom and mesoscopic/macroscopic stability. Journal of Physics: Conference Series, 2007, 87, 012009.	0.3	3
124	Links. Relating Different Physical Systems Through the Common QFT Algebraic Structure. , 2007, , 165-205.		12
125	Neutrino mixing as a source of dark energy. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 363, 53-56.	0.9	61
126	Exploration of relations between many-body field theory and the nonlinear brain dynamics that underlies cognitive behavior. , 2006, , .		2



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127	Role of the electromagnetic field in the formation of domains in the process of symmetry-breaking phase transitions. <i>Physical Review A</i> , 2006, 74, .	1.0	72
128	Nonlinear brain dynamics as macroscopic manifestation of underlying many-body field dynamics. <i>Physics of Life Reviews</i> , 2006, 3, 93-118.	1.5	173
129	Neutrino mixing and dark energy. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	1
130	Mistake Making Machines. , 2006, , 67-78.		5
131	Quantum Fields with Topological Defects. , 2006, , 221-229.		0
132	CONCERNING THE MODELING OF SYSTEMS IN TERMS OF QUANTUM ELECTRO DYNAMICS: THE SPECIAL CASE OF "COLD FUSION", 2006, , .		0
133	Yeast Suspensions: A Controllable Example of a Coherent Quantum Machine?. <i>Electromagnetic Biology and Medicine</i> , 2005, 24, 331-340.	0.7	1
134	Coherent Quantum Electrodynamics in Living Matter. <i>Electromagnetic Biology and Medicine</i> , 2005, 24, 199-210.	0.7	54
135	Neutrino mixing as a source for cosmological constant. <i>Brazilian Journal of Physics</i> , 2005, 35, 455-561.	0.7	3
136	Nonlinear Brain Dynamics and Many-Body Field Dynamics. <i>Electromagnetic Biology and Medicine</i> , 2005, 24, 233-241.	0.7	12
137	Neutrino mixing and cosmological constant. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	0
138	Cooling many particles at once. <i>New Journal of Physics</i> , 2005, 7, 96-96.	1.2	34
139	Lepton charge and neutrino mixing in pion decay processes. <i>Physical Review D</i> , 2005, 72, .	1.6	40
140	Classical trajectories and quantum field theory. <i>Brazilian Journal of Physics</i> , 2005, 35, 351-358.	0.7	15
141	Cooling many particles to very low temperatures. <i>Brazilian Journal of Physics</i> , 2005, 35, .	0.7	2
142	CLASSICAL CHAOTIC TRAJECTORIES IN QUANTUM FIELD THEORY. <i>International Journal of Modern Physics B</i> , 2004, 18, 785-792.	1.0	42
143	QUANTUM NOISE INDUCED ENTANGLEMENT AND CHAOS IN THE DISSIPATIVE QUANTUM MODEL OF BRAIN. <i>International Journal of Modern Physics B</i> , 2004, 18, 841-858.	1.0	45
144	Neutrino mixing contribution to the cosmological constant. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 323, 182-189.	0.9	82

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145	Phenomenology of flavor oscillations with non-perturbative effects from quantum field theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 594, 135-140.	1.5	41
146	Non-commutative geometry and measurements of polarized two photon coincidence counts. Annals of Physics, 2004, 311, 191-203.	1.0	11
147	Entangled quantum fields near the event horizon and entropy. Annals of Physics, 2004, 309, 151-165.	1.0	37
148	Quantum limits on pixel resolution from non-commutative photon coordinates. Journal of Modern Optics, 2004, 51, 1529-1534.	0.6	5
149	Quantum Field Theory of Particle Mixing and Oscillations. , 2004, , 105-128.		1
150	Understanding Brain and Consciousness?. , 2004, , 553-574.		0
151	Quantization, group contraction and zero point energy. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 310, 393-399.	0.9	39
152	Quantum dissipation induced noncommutative geometry. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 311, 97-105.	0.9	31
153	TIME-REVERSAL, LOOP-ANTILOOP SYMMETRY AND THE BESSEL EQUATION. Modern Physics Letters B, 2003, 17, 1207-1218.	1.0	6
154	Quantum Limit of Deterministic Theories. Journal of the Physical Society of Japan, 2003, 72, 50-53.	0.7	13
155	The Arrow of Time in Quantum Theories. , 2003, , 261-267.		0
156	Quantum field theory of three flavor neutrino mixing and oscillations with CP violation. Physical Review D, 2002, 66, .	1.6	87
157	Domain formation in noninstantaneous symmetry-breaking phase transitions. Physical Review B, 2002, 65, .	1.1	23
158	ON TOPOLOGICAL DEFECT FORMATION IN THE PROCESS OF SYMMETRY BREAKING PHASE TRANSITIONS. Modern Physics Letters B, 2002, 16, 93-106.	1.0	12
159	Hopf algebra, thermodynamics and entanglement in quantum field theory. AIP Conference Proceedings, 2002, , .	0.3	1
160	Entropy of Black Holes: A Quantum Algebraic Approach. Entropy, 2002, 4, 168-182.	1.1	1
161	UNDERSTANDING FLAVOR MIXING IN QUANTUM FIELD THEORY. , 2002, , .		1
162	Currents and charges for mixed fields. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 517, 471-475.	1.5	43

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163	Dissipation and quantization. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 287, 205-210.	0.9	94
164	Quantization of Scalar Fields in Curved Background and Quantum Algebras. Annals of Physics, 2001, 294, 234-250.	1.0	15
165	THE DECOHERENCE CRITERION. Modern Physics Letters B, 2001, 15, 127-135.	1.0	19
166	Quantum field theory of boson mixing. Physical Review D, 2001, 63, .	1.6	90
167	The dissipative quantum model of brain: how does memory localize in correlated neuronal domains. Information Sciences, 2000, 128, 217-229.	4.0	6
168	Vacuum structure for expanding geometry. Classical and Quantum Gravity, 2000, 17, 93-111.	1.5	20
169	FORMATION AND LIFE-TIME OF MEMORY DOMAINS IN THE DISSIPATIVE QUANTUM MODEL OF BRAIN. International Journal of Modern Physics B, 2000, 14, 853-868.	1.0	24
170	Defect Formation Through Boson Condensation in Quantum Field Theory. , 2000, , 171-191.		2
171	Title is missing!. International Journal of Modern Physics B, 2000, 14, 853.	1.0	7
172	On normal ordering and canonical transformations in thermal field theory. Journal of Physics A, 1999, 32, 1185-1195.	1.6	1
173	Remarks on the neutrino oscillation formula. Physical Review D, 1999, 60, .	1.6	45
174	The exact formula for neutrino oscillations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 451, 140-145.	1.5	117
175	Canonical quantization and expanding metrics. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 252, 5-10.	0.9	10
176	Quantum dissipation and Neural Net Dynamics. Bioelectrochemistry, 1999, 48, 339-342.	1.0	16
177	Berry phase for oscillating neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 466, 262-266.	1.5	25
178	QUANTUM MEASUREMENTS, INFORMATION AND ENTROPY PRODUCTION. International Journal of Modern Physics B, 1999, 13, 3369-3382.	1.0	4
179	Phase Coherence in Quantum Brownian Motion. Annals of Physics, 1998, 267, 61-74.	1.0	28
180	Thermo field dynamics and quantum algebras. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 244, 455-461.	0.9	42

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181	Algebraic aspects of quantum statistics. Journal of Physics A, 1997, 30, L125-L130.	1.6	3
182	Dissipation and Topologically Massive Gauge Theories in the Pseudo-Euclidean Plane. Annals of Physics, 1996, 252, 115-132.	1.0	53
183	QUANTUM GROUPS AND THERMO FIELD DYNAMICS. International Journal of Modern Physics B, 1996, 10, 1615-1624.	1.0	6
184	Living Matter Physics and the Quantum Brain Model. Physics Essays, 1996, 9, 548-555.	0.1	1
185	Quantum Dissipation and Quantum Noise. Annals of Physics, 1995, 238, 200-207.	1.0	33
186	Quantum Groups, Coherent States, Squeezing and Lattice Quantum Mechanics. Annals of Physics, 1995, 241, 50-67.	1.0	49
187	Quantum Dissipation and Quantum Groups. Annals of Physics, 1995, 241, 496-506.	1.0	13
188	Quantum Field Theory of Fermion Mixing. Annals of Physics, 1995, 244, 283-311.	1.0	189
189	Squeezed neutrino oscillations in quantum field theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 362, 91-96.	1.5	24
190	DISSIPATION AND MEMORY CAPACITY IN THE QUANTUM BRAIN MODEL. International Journal of Modern Physics B, 1995, 09, 973-989.	1.0	143
191	Identical particles and permutation group. Journal of Physics A, 1995, 28, L239-L244.	1.6	8
192	QUANTUM GROUPS AND VON NEUMANN THEOREM. Modern Physics Letters B, 1994, 08, 269-276.	1.0	14
193	Dissipative and inhomogeneous systems and the gauge field. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 304, 121-126.	1.5	5
194	Optical feedback induced mesoscopic effects in semiconductor lasers. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 175, 5-10.	0.9	2
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