

Giuseppe Vitiello

List of Publications by Year in descending order

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250
papers

5,307
citations

76326
40
h-index

114465
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.	0.7	1
2	Fractals, metamorphoses and symmetries in quantum field theory. <i>EPJ Web of Conferences</i> , 2022, 263, 01008.	0.3	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.	4.1	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.	2.7	3
5	Von Willebrand Factor Multimers and the Relaxation Response: A One-Year Study. <i>Entropy</i> , 2021, 23, 447.	2.2	2
6	Neural Networks and Many-Body Systems. <i>Contemporary Systems Thinking</i> , 2021, , 207-224.	0.4	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.	4.1	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.	2.5	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.	2.2	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.	2.0	0
15	Symmetries and Metamorphoses. <i>Symmetry</i> , 2020, 12, 907.	2.2	3
16	Zero-point energy and photon spin-induced diffraction phenomena. <i>International Journal of Geometric Methods in Modern Physics</i> , 2020, 17, 2040006.	2.0	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.	0.3	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.	1.7	3
22	Modeling Meridians Within the Quantum Field Theory. JAMS Journal of Acupuncture and Meridian Studies, 2019, 12, 29-36.	0.7	9
23	Electrically induced liquidâ€“liquid phase transition in water at room temperature. Physical Chemistry Chemical Physics, 2019, 21, 18541-18550.	2.8	4
24	On the hurricane collective molecular dynamics. Journal of Physics: Conference Series, 2019, 1275, 012017.	0.4	3
25	Flavor neutrino states for pedestrians. Journal of Physics: Conference Series, 2019, 1275, 012023.	0.4	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.	2.4	4
27	Entanglement and Phase-Mediated Correlations in Quantum Field Theory. Application to Brain-Mind States. Applied Sciences (Switzerland), 2019, 9, 3203.	2.5	31
28	Dynamics of zero-point energy and two-slit phenomena for photons. Physica Scripta, 2019, 94, 115505.	2.5	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.	0.2	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.	2.1	7
32	Water-mediated correlations in DNA-enzyme interactions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 33-43.	2.1	25
33	On the canonical quantization of the electromagnetic field and the emergence of gauge invariance. Journal of Physics: Conference Series, 2018, 1071, 012002.	0.4	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.	4.1	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.	4.9	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.	2.9	18
38	Thermal vacuum, cosmic microwave radiation, neutrino masses and fractal-like self-similar structure. Journal of Physics: Conference Series, 2017, 880, 012060.	0.4	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.	1.7	3
41	Phase space picture of neutrino mixing and oscillations. Journal of Physics: Conference Series, 2017, 880, 012061.	0.4	0
42	Water Bridging Dynamics of Polymerase Chain Reaction in the Gauge Theory Paradigm of Quantum Fields. Water (Switzerland), 2017, 9, 339.	2.7	23
43	Addendum: Montagnier, L.; AÃssa, J.; Capolupo, A.; Craddock, T.J.A.; Kurian, P.; Lavallee, 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.	2.7	3
44	Quantum field theory and the linguistic Minimalist Program: a remarkable isomorphism. Journal of Physics: Conference Series, 2017, 880, 012016.	0.4	6
45	Thermal Condensate Structure and Cosmological Energy Density of the Universe. Advances in High Energy Physics, 2016, 2016, 1-6.	1.1	6
46	Geometric structures, fractal self-similarity, squeezed coherent states and electrodynamics. Journal of Physics: Conference Series, 2016, 670, 012052.	0.4	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.	4.1	21
49	Commentary by Giuseppe Vitiello. Studies in Systems, Decision and Control, 2016, , 239-249.	1.0	4
50	Axion-photon mixing and geometric phase. Journal of Physics: Conference Series, 2015, 626, 012059.	0.4	1
51	Time-reversal and the Bessel equation. Journal of Physics: Conference Series, 2015, 631, 012023.	0.4	0
52	7th International Workshop DICE2014 Spacetime â Matter â Quantum Mechanics. Journal of Physics: Conference Series, 2015, 626, 011001.	0.4	0
53	Disentangling mass and angle dependence in neutrino mixing. Journal of Physics: Conference Series, 2015, 626, 012026.	0.4	3
54	Noncommutative spectral geometry, Bogoliubov transformations and neutrino oscillations. Journal of Physics: Conference Series, 2015, 626, 012014.	0.4	0

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55	Probing Mixing of Photons and Axion-Like Particles by Geometric Phase. Advances in High Energy Physics, 2015, 2015, 1-7.	1.1	5
56	Vacuum Condensate, Geometric Phase, Unruh Effect, and Temperature Measurement. Advances in High Energy Physics, 2015, 2015, 1-8.	1.1	2
57	Advanced Models of Cortical Dynamics in Perception. Advances in Cognitive Neurodynamics, 2015, , 127-136.	0.1	6
58	The role of coherence in emergent behavior of biological systems. Electromagnetic Biology and Medicine, 2015, 34, 138-140.	1.4	9
59	Transduction of DNA information through water and electromagnetic waves. Electromagnetic Biology and Medicine, 2015, 34, 106-112.	1.4	69
60	Brain Dynamics, Chaos and Bessel Functions. Journal of Physics: Conference Series, 2015, 626, 012069.	0.4	1
61	Bessel functions in mass action modeling of memories and remembrances. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2198-2208.	2.1	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. Current Opinion in Neurobiology, 2015, 31, 7-12.	4.2	24
63	On the Isomorphism between Dissipative Systems, Fractal Self-Similarity and Electrodynamics. Toward an Integrated Vision of Nature. Systems, 2014, 2, 203-216.	2.3	40
64	Doubling of the algebra and neutrino mixing within noncommutative spectral geometry. European Physical Journal C, 2014, 74, 1.	3.9	5
65	The FAZIA project in Europe: R&D phase. European Physical Journal A, 2014, 50, 1.	2.5	63
66	On the coherent behavior of pancreatic beta cell clusters. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 3210-3217.	2.1	31
67	SELF-SIMILARITY PROPERTIES OF NAFIONIZED AND FILTERED WATER AND DEFORMED COHERENT STATES. International Journal of Modern Physics B, 2014, 28, 1450007.	2.0	15
68	Dissipation of "dark energy" by cortex in knowledge retrieval. Physics of Life Reviews, 2013, 10, 85-94.	2.8	46
69	Probing Hawking and Unruh effects and quantum field theory in curved space by geometric invariants. Physical Review D, 2013, 88, .	4.7	13
70	Reply to comments received for "Dissipation of "dark energy" by cortex in knowledge retrieval". Physics of Life Reviews, 2013, 10, 112-116.	2.8	0
71	Noncommutative spectral geometry and the deformed Hopf algebra structure of quantum field theory. Journal of Physics: Conference Series, 2013, 442, 012016.	0.4	0
72	Spontaneous Supersymmetry Breaking Probed by Geometric Invariants. Advances in High Energy Physics, 2013, 2013, 1-5.	1.1	16

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73	Coherent structures in liquid water close to hydrophilic surfaces. Journal of Physics: Conference Series, 2013, 442, 012028.	0.4	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.	0.4	0
75	DICE 2012 : Spacetime Matter Quantum Mechanics “from the Planck scale to emergent phenomena. Journal of Physics: Conference Series, 2013, 442, 011001.	0.4	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.	2.0	36
79	Fractals as macroscopic manifestation of squeezed coherent states and brain dynamics. Journal of Physics: Conference Series, 2012, 380, 012021.	0.4	10
80	Noncommutative spectral geometry, dissipation and the origin of quantization. Journal of Physics: Conference Series, 2012, 361, 012025.	0.4	4
81	't Hooft Quantization for Interacting Systems. Journal of Physics: Conference Series, 2012, 343, 012110.	0.4	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.	2.1	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.	1.3	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.	0.4	66
88	Hiroomi Umezawa and Quantum Field Theory. NeuroQuantology, 2011, 9, .	0.2	1
89	Emission of photons through cavity mirrors in the absence of external driving. Journal of Physics: Conference Series, 2011, 306, 012072.	0.4	0
90	Geometric phase and gauge theory structure in quantum computing. Journal of Physics: Conference Series, 2011, 306, 012065.	0.4	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.	4.1	19
92	Noncommutative spectral geometry, algebra doubling, and the seeds of quantization. Physical Review D, 2011, 84, .	4.7	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.	0.4	16
94	GAUGE THEORY AND TWO LEVEL SYSTEMS. Modern Physics Letters B, 2011, 25, 1661-1670.	1.9	13
95	5th International Workshop DICE2010: Space-Time-Matter “ Current Issues in Quantum Mechanics and Beyond. Journal of Physics: Conference Series, 2011, 306, 011001.	0.4	3
96	Energy concentration in composite quantum systems. Physical Review A, 2010, 81, .	2.5	21
97	Particle mixing, flavor condensate and dark energy. Progress in Particle and Nuclear Physics, 2010, 64, 451-453.	14.4	24
98	Rotating wave approximation and entropy. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 3726-3732.	2.1	10
99	ON FLAVOR CONSERVATION IN WEAK INTERACTION DECAYS INVOLVING MIXED NEUTRINOS. International Journal of Modern Physics A, 2010, 25, 4179-4194.	1.5	22
100	VORTICES IN BRAIN WAVES. International Journal of Modern Physics B, 2010, 24, 3269-3295.	2.0	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.	1.5	0
103	Dark energy and particle mixing. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 601-610.	2.1	54
104	Dissipation and quantization for composite systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 4106-4112.	2.1	26
105	On flavor violation for massive and mixed neutrinos. Nuclear Physics, Section B, Proceedings Supplements, 2009, 188, 37-39.	0.4	9
106	The investigation of nucleation using microelectrodes. Electrochimica Acta, 2009, 54, 879-887.	5.2	25
107	The investigation of the nucleation using microelectrodes. Electrochimica Acta, 2009, 54, 888-890.	5.2	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.	4.1	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.	0.4	17
110	COHERENT STATES, FRACTALS AND BRAIN WAVES. New Mathematics and Natural Computation, 2009, 05, 245-264.	0.7	59
111	Particle mixing as possible explanation of the dark energy conundrum. Journal of Physics: Conference Series, 2009, 174, 012063.	0.4	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.	0.4	0
113	Group Contraction in Quantum Field Theory. International Journal of Theoretical Physics, 2008, 47, 393-414.	1.2	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.	1.6	27
115	Dissipation and spontaneous symmetry breaking in brain dynamics. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 304042.	2.1	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.	1.5	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.	0.4	6
120	Flavor states of mixed neutrinos. AIP Conference Proceedings, 2007, , .	0.4	0
121	Cosmological effects of neutrino mixing. AIP Conference Proceedings, 2007, , .	0.4	1
122	Dark energy induced by neutrino mixing. Journal of Physics: Conference Series, 2007, 67, 012032.	0.4	5
123	Quantum fluctuations, gauge freedom and mesoscopic/macrosopic stability. Journal of Physics: Conference Series, 2007, 87, 012009.	0.4	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.	2.1	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. Physical Review A, 2006, 74, .	2.5	72
128	Nonlinear brain dynamics as macroscopic manifestation of underlying many-body field dynamics. Physics of Life Reviews, 2006, 3, 93-118.	2.8	173
129	Neutrino mixing and dark energy. AIP Conference Proceedings, 2006, , .	0.4	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?. Electromagnetic Biology and Medicine, 2005, 24, 331-340.	1.4	1
134	Coherent Quantum Electrodynamics in Living Matter. Electromagnetic Biology and Medicine, 2005, 24, 199-210.	1.4	54
135	Neutrino mixing as a source for cosmological constant. Brazilian Journal of Physics, 2005, 35, 455-561.	1.4	3
136	Nonlinear Brain Dynamics and Many-Body Field Dynamics. Electromagnetic Biology and Medicine, 2005, 24, 233-241.	1.4	12
137	Neutrino mixing and cosmological constant. AIP Conference Proceedings, 2005, , .	0.4	0
138	Cooling many particles at once. New Journal of Physics, 2005, 7, 96-96.	2.9	34
139	Lepton charge and neutrino mixing in pion decay processes. Physical Review D, 2005, 72, .	4.7	40
140	Classical trajectories and quantum field theory. Brazilian Journal of Physics, 2005, 35, 351-358.	1.4	15
141	Cooling many particles to very low temperatures. Brazilian Journal of Physics, 2005, 35, .	1.4	2
142	CLASSICAL CHAOTIC TRAJECTORIES IN QUANTUM FIELD THEORY. International Journal of Modern Physics B, 2004, 18, 785-792.	2.0	42
143	QUANTUM NOISE INDUCED ENTANGLEMENT AND CHAOS IN THE DISSIPATIVE QUANTUM MODEL OF BRAIN. International Journal of Modern Physics B, 2004, 18, 841-858.	2.0	45
144	Neutrino mixing contribution to the cosmological constant. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 323, 182-189.	2.1	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.	4.1	41
146	Non-commutative geometry and measurements of polarized two photon coincidence counts. Annals of Physics, 2004, 311, 191-203.	2.8	11
147	Entangled quantum fields near the event horizon and entropy. Annals of Physics, 2004, 309, 151-165.	2.8	37
148	Quantum limits on pixel resolution from non-commutative photon coordinates. Journal of Modern Optics, 2004, 51, 1529-1534.	1.3	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.	2.1	39
152	Quantum dissipation induced noncommutative geometry. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 311, 97-105.	2.1	31
153	TIME-REVERSAL, LOOP-ANTILOOP SYMMETRY AND THE BESSEL EQUATION. Modern Physics Letters B, 2003, 17, 1207-1218.	1.9	6
154	Quantum Limit of Deterministic Theories. Journal of the Physical Society of Japan, 2003, 72, 50-53.	1.6	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, .	4.7	87
157	Domain formation in noninstantaneous symmetry-breaking phase transitions. Physical Review B, 2002, 65, .	3.2	23
158	ON TOPOLOGICAL DEFECT FORMATION IN THE PROCESS OF SYMMETRY BREAKING PHASE TRANSITIONS. Modern Physics Letters B, 2002, 16, 93-106.	1.9	12
159	Hopf algebra, thermodynamics and entanglement in quantum field theory. AIP Conference Proceedings, 2002, , .	0.4	1
160	Entropy of Black Holes: A Quantum Algebraic Approach. Entropy, 2002, 4, 168-182.	2.2	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.	4.1	43

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163	Dissipation and quantization. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 287, 205-210.	2.1	94
164	Quantization of Scalar Fields in Curved Background and Quantum Algebras. Annals of Physics, 2001, 294, 234-250.	2.8	15
165	THE DECOHERENCE CRITERION. Modern Physics Letters B, 2001, 15, 127-135.	1.9	19
166	Quantum field theory of boson mixing. Physical Review D, 2001, 63, .	4.7	90
167	The dissipative quantum model of brain: how does memory localize in correlated neuronal domains. Information Sciences, 2000, 128, 217-229.	6.9	6
168	Vacuum structure for expanding geometry. Classical and Quantum Gravity, 2000, 17, 93-111.	4.0	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.	2.0	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.	2.0	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, .	4.7	45
174	The exact formula for neutrino oscillations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 451, 140-145.	4.1	117
175	Canonical quantization and expanding metrics. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 252, 5-10.	2.1	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.	4.1	25
178	QUANTUM MEASUREMENTS, INFORMATION AND ENTROPY PRODUCTION. International Journal of Modern Physics B, 1999, 13, 3369-3382.	2.0	4
179	Phase Coherence in Quantum Brownian Motion. Annals of Physics, 1998, 267, 61-74.	2.8	28
180	Thermo field dynamics and quantum algebras. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 244, 455-461.	2.1	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.	2.8	53
183	QUANTUM GROUPS AND THERMO FIELD DYNAMICS. International Journal of Modern Physics B, 1996, 10, 1615-1624.	2.0	6
184	Living Matter Physics and the Quantum Brain Model. Physics Essays, 1996, 9, 548-555.	0.4	1
185	Quantum Dissipation and Quantum Noise. Annals of Physics, 1995, 238, 200-207.	2.8	33
186	Quantum Groups, Coherent States, Squeezing and Lattice Quantum Mechanics. Annals of Physics, 1995, 241, 50-67.	2.8	49
187	Quantum Dissipation and Quantum Groups. Annals of Physics, 1995, 241, 496-506.	2.8	13
188	Quantum Field Theory of Fermion Mixing. Annals of Physics, 1995, 244, 283-311.	2.8	189
189	Squeezed neutrino oscillations in quantum field theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 362, 91-96.	4.1	24
190	DISSIPATION AND MEMORY CAPACITY IN THE QUANTUM BRAIN MODEL. International Journal of Modern Physics B, 1995, 09, 973-989.	2.0	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.	1.9	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.	4.1	5
194	Optical feedback induced mesoscopic effects in semiconductor lasers. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 175, 5-10.	2.1	2
195	Boson condensation in theories with spontaneously broken symmetry and jump Markovian processes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 305, 119-124.	4.1	0
196	QUANTUM GROUPS, SQUEEZING, BLOCH, AND THETA FUNCTIONS. Modern Physics Letters B, 1993, 07, 1321-1329.	1.9	7
197	Q-Hermitian Conjugation, Quantum Groups and Squeezing. NATO ASI Series Series B: Physics, 1993, , 177-183.	0.2	0
198	Finite temperature quantum field theory and gauge field. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 285, 98-102.	4.1	13

#	ARTICLE	IF	CITATIONS
199	Quantum dissipation. Annals of Physics, 1992, 215, 156-170.	2.8	196
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