

Irina T Basieva

List of Publications by Year in descending order

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73
papers

1,256
citations

304743

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h-index

395702

33
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74
all docs

74
docs citations

74
times ranked

287
citing authors

#	ARTICLE	IF	CITATIONS
1	Ambivalence in decision making: An eye tracking study. <i>Cognitive Psychology</i> , 2022, 134, 101464.	2.2	7
2	More Causes Less Effect: Destructive Interference in Decision Making. <i>Entropy</i> , 2022, 24, 725.	2.2	5
3	Information overload for (bounded) rational agents. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202957.	2.6	15
4	Quantum-like modeling in biology with open quantum systems and instruments. <i>BioSystems</i> , 2021, 201, 104328.	2.0	25
5	What are the appropriate axioms of rationality for reasoning under uncertainty with resource-constrained systems?. <i>Behavioral and Brain Sciences</i> , 2020, 43, e2.	0.7	6
6	Perspectives on Correctness in Probabilistic Inference from Psychology. <i>Spanish Journal of Psychology</i> , 2019, 22, E55.	2.1	1
7	True contextuality beats direct influences in human decision making.. <i>Journal of Experimental Psychology: General</i> , 2019, 148, 1925-1937.	2.1	42
8	Quantum like modeling of decision making: Quantifying uncertainty with the aid of Heisenberg's Robertson inequality. <i>Journal of Mathematical Psychology</i> , 2018, 84, 49-56.	1.8	31
9	Quantum-like model of subjective expected utility. <i>Journal of Mathematical Economics</i> , 2018, 78, 150-162.	0.8	27
10	Quantum field inspired model of decision making: Asymptotic stabilization of belief state via interaction with surrounding mental environment. <i>Journal of Mathematical Psychology</i> , 2018, 82, 159-168.	1.8	32
11	Quantum probability in decision making from quantum information representation of neuronal states. <i>Scientific Reports</i> , 2018, 8, 16225.	3.3	43
12	Towards Experiments to Test Violation of the Original Bell Inequality. <i>Entropy</i> , 2018, 20, 280.	2.2	10
13	State Entropy and Differentiation Phenomenon. <i>Entropy</i> , 2018, 20, 394.	2.2	6
14	Quantum probability updating from zero priors (by-passing Cromwell's rule). <i>Journal of Mathematical Psychology</i> , 2017, 77, 58-69.	1.8	34
15	Decision-Making and Cognition Modeling from the Theory of Mental Instruments. , 2017, , 75-93.		6
16	Quantum-like dynamics applied to cognition: a consideration of available options. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160387.	3.4	22
17	A quantum-like model of selection behavior. <i>Journal of Mathematical Psychology</i> , 2017, 78, 2-12.	1.8	44
18	Testing Boundaries of Applicability of Quantum Probabilistic Formalism to Modeling of Cognition: Metaphors of Two and Three Slit Experiments. <i>Lecture Notes in Computer Science</i> , 2017, , 49-56.	1.3	1

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19	A model of differentiation in quantum bioinformatics. Progress in Biophysics and Molecular Biology, 2017, 130, 88-98.	2.9	21
20	Quantum Information Biology: From Theory of Open Quantum Systems to Adaptive Dynamics. Advanced Series on Mathematical Psychology, 2016, , 399-414.	0.7	2
21	On the Possibility to Combine the Order Effect with Sequential Reproducibility for Quantum Measurements. Foundations of Physics, 2015, 45, 1379-1393.	1.3	18
22	Quantum Information Biology: From Information Interpretation of Quantum Mechanics to Applications in Molecular Biology and Cognitive Psychology. Foundations of Physics, 2015, 45, 1362-1378.	1.3	50
23	Quantum(-Like) Decision Making: On Validity of the Aumann Theorem. Lecture Notes in Computer Science, 2015, , 105-118.	1.3	3
24	Quantum(-like) Formalization of Common Knowledge: Binmore-Brandenburger Operator Approach. Lecture Notes in Computer Science, 2015, , 93-104.	1.3	0
25	Lamarckian Evolution of Epigenome from Open Quantum Systems and Entanglement. Lecture Notes in Computer Science, 2014, , 324-334.	1.3	0
26	Decay times of radiative and non-radiative transitions in rare-earth ions. Physica Scripta, 2014, T163, 014032.	2.5	1
27	Quantum Model for Psychological Measurements: From the Projection Postulate to Interference of Mental Observables Represented As Positive Operator Valued Measures. NeuroQuantology, 2014, 12, .	0.2	30
28	Applying quantum principles to psychology. Physica Scripta, 2014, T163, 014007.	2.5	28
29	On the equivalence of the Clauserâ€“Horne and Eberhard inequality based tests. Physica Scripta, 2014, T163, 014019.	2.5	18
30	Quantum-State Dynamics as Linear Representation of Classical (Nonlinear) Stochastic Dynamics. Journal of Russian Laser Research, 2014, 35, 71-78.	0.6	0
31	Complementarity of Mental Observables. Topics in Cognitive Science, 2014, 6, 74-78.	1.9	3
32	Possibility to agree on disagree from quantum information and decision making. Journal of Mathematical Psychology, 2014, 62-63, 1-15.	1.8	41
33	Static cooperative luminescence quenching in nanoparticles. Journal of Luminescence, 2014, 151, 88-92.	3.1	1
34	Quantum Models for Psychological Measurements: An Unsolved Problem. PLoS ONE, 2014, 9, e110909.	2.5	93
35	Non-Kolmogorovian Approach to the Context-Dependent Systems Breaking the Classical Probability Law. Foundations of Physics, 2013, 43, 895-911.	1.3	35
36	Luminescent nanophotonics and advanced solid state lasers. Journal of Luminescence, 2013, 133, 233-243.	3.1	7

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37	A model of epigenetic evolution based on theory of open quantum systems. <i>Systems and Synthetic Biology</i> , 2013, 7, 161-173.	1.0	37
38	Theoretical method for states dynamics and entanglement optimization in bichromatically driven clusters of two and four resonantly interacting particles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 1804.	2.1	0
39	A MATHEMATICAL TREATMENT OF JOINT AND CONDITIONAL PROBABILITY. <i>QP-PQ, Quantum Probability and White Noise Analysis</i> , 2013, , 69-84.	0.1	0
40	ENTANGLED STATES PREPARATION IN CLUSTERS OF THREE RESONANTLY INTERACTING FLUORESCENT PARTICLES. <i>QP-PQ, Quantum Probability and White Noise Analysis</i> , 2013, , 85-94.	0.1	0
41	Double blinding-attack on entanglement-based quantum key distribution protocols. , 2012, , .		1
42	Quantum-like dynamics of decision-making in prisoner's dilemma game. , 2012, , .		8
43	Quantum-like model of glucose effect on <i>Escherichia coli</i> growth. , 2012, , .		4
44	Observables generalizing positive operator valued measures. <i>AIP Conference Proceedings</i> , 2012, , .	0.4	4
45	Quantum-like model of diauxie in <i>Escherichia coli</i> : Operational description of precultivation effect. <i>Journal of Theoretical Biology</i> , 2012, 314, 130-137.	1.7	26
46	Quantum-like generalization of the Bayesian updating scheme for objective and subjective mental uncertainties. <i>Journal of Mathematical Psychology</i> , 2012, 56, 166-175.	1.8	39
47	Quantum-like model for the adaptive dynamics of the genetic regulation of <i>E. coli</i> 's metabolism of glucose/lactose. <i>Systems and Synthetic Biology</i> , 2012, 6, 1-7.	1.0	37
48	Pre-selection of optical transitions in rare-earth ions in crystals perspective for quantum information processing. <i>Journal of Modern Optics</i> , 2012, 59, 166-178.	1.3	8
49	Towards modeling of epigenetic evolution with the aid of theory of open quantum systems. , 2012, , .		9
50	Quantum-like dynamics of decision-making. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 2083-2099.	2.6	67
51	Cooperative luminescence quenching on many-particle acceptors in disordered media. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 3526-3532.	2.6	3
52	Adaptive Dynamics and Its Application to Context Dependent Systems Breaking the Classical Probability Law. <i>Lecture Notes in Computer Science</i> , 2012, , 160-171.	1.3	3
53	Quantum-Like Representation of Irrational Inference. <i>Lecture Notes in Computer Science</i> , 2012, , 138-147.	1.3	1
54	Dynamics of Entropy in Quantum-like Model of Decision Making. , 2011, , .		3

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55	Quantum-like Representation of Bayesian Updating. , 2011, , .		4
56	Kinetics of ultrafast migration-accelerated quenching in nanoparticles. JETP Letters, 2011, 93, 697-700.	1.4	4
57	Representation of probabilistic data by complex probability amplitudes; the case of triple- valued observables. , 2011, , .		4
58	Quantum-Like Representation Algorithm for Trichotomous Observables. International Journal of Theoretical Physics, 2011, 50, 3864-3881.	1.2	11
59	Quantum-like interference effect in gene expression: glucose-lactose destructive interference. Systems and Synthetic Biology, 2011, 5, 59-68.	1.0	29
60	Quantum-like model of brain's functioning: Decision making from decoherence. Journal of Theoretical Biology, 2011, 281, 56-64.	1.7	121
61	On Application of Gorini-Kossakowski-Sudarshan-Lindblad Equation in Cognitive Psychology. Open Systems and Information Dynamics, 2011, 18, 55-69.	1.2	42
62	Luminescent nanophotonics, fluoride laser ceramics, and crystals. Physics-Uspekhi, 2011, 54, 1262-1268.	2.2	6
63	Quantum-Like Paradigm: From Molecular Biology to Cognitive Psychology. Lecture Notes in Computer Science, 2011, , 182-191.	1.3	2
64	Two- and three-dimensional restricted geometry case of luminescence quenching. Journal of Luminescence, 2010, 130, 2305-2308.	3.1	8
65	Theoretical analysis of the static quenching of optical excitations in luminescent nanoparticles. JETP Letters, 2010, 91, 236-240.	1.4	6
66	Using biharmonic laser pumping for preparation of pure and entangled multiexciton states in clusters of resonantly interacting fluorescent centres. Journal of Luminescence, 2007, 127, 48-54.	3.1	0
67	Quantum control of exciton states in clusters of resonantly interacting fluorescent particles using biharmonic laser pumping. Physical Review B, 2006, 74, .	3.2	7
68	Cooperative quenching kinetics: Computer simulation and analytical solution. Chemical Physics Letters, 2006, 432, 367-370.	2.6	9
69	Experimental preparation of entangled Bell's vacuum single exciton and vacuum biexciton states for pair centers of neodymium ions in a crystal. Optics Communications, 2006, 259, 298-303.	2.1	8
70	Coherent fluorescence resonance energy transfer in symmetrical clusters of fluorescent centers. Chemical Physics Letters, 2005, 402, 433-438.	2.6	2
71	Cooperative quenching: experiment, theory and Monte-Carlo computer simulation. Journal of Luminescence, 2001, 94-95, 349-354.	3.1	20
72	Cooperative quenching kinetics: Theory and Monte-Carlo simulation. JETP Letters, 2001, 74, 539-542.	1.4	9

#	ARTICLE	IF	CITATIONS
73	The triple-store experiment: a first simultaneous test of classical and quantum probabilities in choice over menus. Theory and Decision, 0, , 1.	1.0	3