

Goren Gordon

List of Publications by Year in descending order

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63
papers

1,724
citations

394421

19
h-index

330143

37
g-index

65
all docs

65
docs citations

65
times ranked

1232
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic control by frequent quantum measurements. <i>Nature</i> , 2008, 452, 724-727.	27.8	169
2	Optimal Dynamical Decoherence Control of a Qubit. <i>Physical Review Letters</i> , 2008, 101, 010403.	7.8	155
3	Generalized quantum-state sharing. <i>Physical Review A</i> , 2006, 73, .	2.5	123
4	Generalized teleportation protocol. <i>Physical Review A</i> , 2006, 73, .	2.5	118
5	Can Children Catch Curiosity from a Social Robot?. , 2015, , .		104
6	Universal dynamical decoherence control of noisy single- and multi-qubit systems. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, S75-S93.	1.5	97
7	Growing Growth Mindset with a Social Robot Peer. , 2017, 2017, 137-145.		83
8	Direct measurement of the systemâ€™environment coupling as a tool for understanding decoherence and dynamical decoupling. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 154006.	1.5	75
9	Preventing Multipartite Disentanglement by Local Modulations. <i>Physical Review Letters</i> , 2006, 97, 110503.	7.8	67
10	Motor-Sensory Confluence in Tactile Perception. <i>Journal of Neuroscience</i> , 2012, 32, 14022-14032.	3.6	62
11	Network Analysis of ERC20 Tokens Trading on Ethereum Blockchain. <i>Springer Proceedings in Complexity</i> , 2018, , 439-450.	0.3	39
12	Cooling down quantum bits on ultrashort time scales. <i>New Journal of Physics</i> , 2009, 11, 123025.	2.9	38
13	Robot-Supported Collaborative Learning (RSCL): Social Robots as Teaching Assistants for Higher Education Small Group Facilitation. <i>Frontiers in Robotics and AI</i> , 2019, 6, 148.	3.2	31
14	Hierarchical curiosity loops and active sensing. <i>Neural Networks</i> , 2012, 32, 119-129.	5.9	30
15	Emergent Exploration via Novelty Management. <i>Journal of Neuroscience</i> , 2014, 34, 12646-12661.	3.6	29
16	Lessons from teachers on performing HRI studies with young children in schools. , 2016, , .		29
17	Tega: A social robot. , 2016, , .		28
18	Universal dephasing control during quantum computation. <i>Physical Review A</i> , 2007, 76, .	2.5	25

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19	Equilibration by quantum observation. <i>New Journal of Physics</i> , 2010, 12, 053033.	2.9	25
20	Human-Robot-Collaboration (HRC): Social Robots as Teaching Assistants for Training Activities in Small Groups. , 2019, , .		25
21	Entanglement sudden death and its controlled partial resuscitation. <i>Europhysics Letters</i> , 2008, 83, 30009.	2.0	21
22	Dynamical decoherence control of multi-partite systems. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 223001.	1.5	21
23	Toward an Integrated Approach to Perception and Action: Conference Report and Future Directions. <i>Frontiers in Systems Neuroscience</i> , 2011, 5, 20.	2.5	21
24	A phase-space Gaussian beam summation representation of rough surface scattering. <i>Journal of the Acoustical Society of America</i> , 2005, 117, 1911-1921.	1.1	19
25	Quantum cryptography using partially entangled states. <i>Optics Communications</i> , 2010, 283, 184-188.	2.1	18
26	Universal dynamical control of local decoherence for multipartite and multilevel systems. <i>Optics Communications</i> , 2006, 264, 398-406.	2.1	17
27	Tactile Modulation of Whisking via the Brainstem Loop: Statechart Modeling and Experimental Validation. <i>PLoS ONE</i> , 2013, 8, e79831.	2.5	16
28	Size and temperature transferability of direct and local deep neural networks for atomic forces. <i>Physical Review B</i> , 2018, 98, .	3.2	16
29	Network Dynamics of a Financial Ecosystem. <i>Scientific Reports</i> , 2020, 10, 4587.	3.3	16
30	Scalability of decoherence control in entangled systems. <i>Physical Review A</i> , 2011, 83, .	2.5	14
31	Curious Feature Selection. <i>Information Sciences</i> , 2019, 485, 42-54.	6.9	14
32	Learning and control of exploration primitives. <i>Journal of Computational Neuroscience</i> , 2014, 37, 259-280.	1.0	13
33	Phase-space beam summation analysis of rough surface waveguide. <i>Journal of the Acoustical Society of America</i> , 2005, 117, 1922-1932.	1.1	12
34	Universal dynamical control of decay and decoherence in multilevel systems. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2005, 7, S283-S292.	1.4	12
35	Coordination of sniffing and whisking depends on the mode of interaction with the environment. <i>Israel Journal of Ecology and Evolution</i> , 2015, 61, 95-105.	0.6	12
36	Open-loop stochastic control of quantum coherence. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, S61-S73.	1.5	11

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37	Social behaviour as an emergent property of embodied curiosity: a robotics perspective. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180029.	4.0	11
38	Multi-dimensional Linguistic Complexity. <i>Journal of Biomolecular Structure and Dynamics</i> , 2003, 20, 747-750.	3.5	10
39	Dynamical protection of quantum computation from decoherence in laser-driven cold-ion and cold-atom systems. <i>New Journal of Physics</i> , 2008, 10, 045005.	2.9	10
40	Quantum computer games: quantum minesweeper. <i>Physics Education</i> , 2010, 45, 372-377.	0.5	10
41	Patricc. , 2020, , .		9
42	Quantum computer games: SchrÅdinger cat and hounds. <i>Physics Education</i> , 2012, 47, 346-354.	0.5	8
43	Infant-inspired intrinsically motivated curious robots. <i>Current Opinion in Behavioral Sciences</i> , 2020, 35, 28-34.	3.9	7
44	Reinforcement active learning hierarchical loops. , 2011, , .		6
45	Reinforcement active learning in the vibrissae system: Optimal object localization. <i>Journal of Physiology (Paris)</i> , 2013, 107, 107-115.	2.1	6
46	Priming, enabling and assessment of curiosity. <i>Educational Technology Research and Development</i> , 2019, 67, 931-952.	2.8	6
47	Learning in Summer Camp with Social Robots: A Morphological Study. <i>International Journal of Social Robotics</i> , 2021, 13, 999-1012.	4.6	6
48	Quantum particle localization by frequent coherent monitoring. <i>Physical Review A</i> , 2013, 87, .	2.5	4
49	Social Robots as Physical Curiosity Assessment Tools. , 2018, , .		4
50	Curious instance selection. <i>Information Sciences</i> , 2022, 608, 794-808.	6.9	4
51	Non-Markovian control of qubit thermodynamics by frequent quantum measurements. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 477-483.	2.7	3
52	Studying Dynamics of Human Information Gathering Behaviors Using Social Robots. <i>Frontiers in Psychology</i> , 2021, 12, 669198.	2.1	3
53	Social Behavior Bias and Knowledge Management Optimization. <i>Lecture Notes in Computer Science</i> , 2015, , 258-263.	1.3	3
54	Control of temperature and entropy by frequent quantum measurements. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2010, 108, 400-406.	0.6	2

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55	A Curious Emergence of Reaching. Lecture Notes in Computer Science, 2012, , 1-12.	1.3	2
56	ZENO HEATING AND ANTI-ZENO COOLING BY FREQUENT QUANTUM MEASUREMENTS. International Journal of Quantum Information, 2009, 07, 49-62.	1.1	1
57	Unitary and non-unitary manipulations of qubit-bath entanglement: non-Markov qubit cooling. Quantum Information Processing, 2009, 8, 607-617.	2.2	1
58	Digital assessment and promotion of children's curiosity. , 2015, , .		1
59	Expressive Cognitive Architecture for a Curious Social Robot. ACM Transactions on Interactive Intelligent Systems, 2021, 11, 1-25.	3.7	1
60	Dynamical control of noisy quantum memory channels. Proceedings of SPIE, 2007, , .	0.8	0
61	Why and how should we control decoherence?â€. Journal of Modern Optics, 2008, 55, 3389-3402.	1.3	0
62	Translational-internal entanglement states and quantum information for single photons. Proceedings of SPIE, 2009, , .	0.8	0
63	Measurement of the system-environment coupling and its relation to dynamical decoupling. , 2012, , .		0