# Iztok Lebar Bajec

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9442296/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 24 papers | 504 citations | 932766 10 h-index | 794141 19 g-index |
| 24 all docs | 24 docs citations | 24 times ranked | 443 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Organized flight in birds. Animal Behaviour, 2009, 78, 777-789. | 0.8 | 224 |
| 2 | Simulating flocks on the wing: the fuzzy approach. Journal of Theoretical Biology, 2005, 233, 199-220. | 0.8 | 43 |
| 3 | The ternary quantum-dot cell and ternary logic. Nanotechnology, 2006, 17, 1937-1942. | 1.3 | 42 |
| 4 | Simulating predator attacks on schools: Evolving composite tactics. Ecological Modelling, 2015, 304, 22-33. | 1.2 | 27 |
| 5 | Towards the bottom-up concept: Extended quantum-dot cellular automata. Microelectronic Engineering, 2006, 83, 1826-1829. | 1.1 | 25 |
| 6 | Solving the Ternary Quantum-Dot Cellular Automata Logic Gate Problem by Means of Adiabatic Switching. Japanese Journal of Applied Physics, 2008, 47, 5000-5006. | 0.8 | 19 |
| 7 | Adiabatic pipelining: a key to ternary computing with quantum dots. Nanotechnology, 2008, 19, 495401. | 1.3 | 18 |
| 8 | Simulated Predator Attacks on Flocks: A Comparison of Tactics. Artificial Life, 2014, 20, 343-359. | 1.0 | 16 |
| 9 | The computational beauty of flocking: boids revisited. Mathematical and Computer Modelling of Dynamical Systems, 2007, 13, 331-347. | 1.4 | 15 |
| 10 | Quantum-Dot Cellular Automata Serial Comparator. , 2008, , . | | 15 |
| 11 | Two-layer synchronized ternary quantum-dot cellular automata wire crossings. Nanoscale Research Letters, 2012, 7, 221. | 3.1 | 15 |
| 12 | The Ternary Quantum-dot Cellular Automata Memorizing Cell. , 2009, , . | | 9 |
| 13 | Evolution of Collective Behaviour in an Artificial World Using Linguistic Fuzzy Rule-Based Systems. PLoS ONE, 2017, 12, e0168876. | 1.1 | 8 |
| 14 | The Key Elements of Logic Design in Ternary Quantum-Dot Cellular Automata. Lecture Notes in Computer Science, 2011, , 177-188. | 1.0 | 8 |
| 15 | A Balanced Mixture of Antagonistic Pressures Promotes the Evolution of Parallel Movement. Scientific Reports, 2016, 6, 39428. | 1.6 | 5 |
| 16 | Fuzzifying the Thoughts of Animats. Lecture Notes in Computer Science, 2003, , 195-202. | 1.0 | 5 |
| 17 | The Aspect of Mobility and Connectivity While Assessing the Neighbourhood Sustainability. Academic Journal of Interdisciplinary Studies, 2021, 10, 37. | 0.3 | 3 |
| 18 | Virtual coronary cineangiography. Computers in Biology and Medicine, 2003, 33, 293-302. | 3.9 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Quantum-dot Field Programmable Gate Array: enhanced routing. , 2006, , . | | 2 |
| 20 | Towards automated cooking process. Food Research International, 2007, 40, 733-741. | 2.9 | 1 |
| 21 | Solving the logistic problems with optimal resource assignment using fuzzy logic methods. Journal of Advanced Transportation, 2013, 47, 447-460. | 0.9 | 1 |
| 22 | A hybrid model for simulating grazing herds in real time. Computer Animation and Virtual Worlds, 2020, 31, e1914. | 0.7 | 1 |
| 23 | Towards Multistate Nanocomputing: The Implementation of a Primitive Fuzzy Controller. , 2008, , . | | 0 |
| 24 | Space complexity optimization for nano electronic devices based on evolutionary computation. , 2008, , . | | 0 |