List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4527572/publications.pdf Version: 2024-02-01



Μλελκι Κοβλυλεμι

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Noise-Robust Projection Rule for Rotor and Matrix-Valued Hopfield Neural Networks. IEEE<br>Transactions on Neural Networks and Learning Systems, 2022, 33, 567-576. | 11.3 | 1         |
| 2  | Quaternion-Valued Twin-Multistate Hopfield Neural Networks With Dual Connections. IEEE<br>Transactions on Neural Networks and Learning Systems, 2021, 32, 892-899.  | 11.3 | 8         |
| 3  | Two-Level Complex-Valued Hopfield Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2274-2278.                                  | 11.3 | 6         |
| 4  | Quaternion Projection Rule for Rotor Hopfield Neural Networks. IEEE Transactions on Neural<br>Networks and Learning Systems, 2021, 32, 900-908.                     | 11.3 | 6         |
| 5  | Synthesis of complex- and hyperbolic-valued Hopfield neural networks. Neurocomputing, 2021, 423, 80-88.   | 5.9  | 5         |
| 6  | Complex-valued Hopfield neural networks with real weights in synchronous mode. Neurocomputing, 2021, 423, 535-540.  | 5.9  | 10        |
| 7  | Gradient Descent Learning for Hyperbolic Hopfield Associative Memory. Transactions of the Institute of Systems Control and Information Engineers, 2021, 34, 11-22.  | 0.1  | 1         |
| 8  | Stability Conditions of Bicomplex-Valued Hopfield Neural Networks. Neural Computation, 2021, 33, 552-562.   | 2.2  | 3         |
| 9  | Information geometry of hyperbolic-valued Boltzmann machines. Neurocomputing, 2021, 431, 163-168.   | 5.9  | 1         |
| 10 | Bicomplex-valued twin-hyperbolic Hopfield neural networks. Neurocomputing, 2021, 434, 203-210.  | 5.9  | 11        |
| 11 | Noise Robust Projection Rule for Klein Hopfield Neural Networks. Neural Computation, 2021, 33, 1698-1716.   | 2.2  | 0         |
| 12 | Hyperbolic-valued Hopfield neural networks in hybrid mode. Neurocomputing, 2021, 440, 275-278.  | 5.9  | 4         |
| 13 | Storage Capacity of Quaternion-Valued Hopfield Neural Networks With Dual Connections. Neural Computation, 2021, 33, 2226-2240.                                      | 2.2  | 0         |
| 14 | Noise Robust Projection Rule for Hyperbolic Hopfield Neural Networks. IEEE Transactions on Neural<br>Networks and Learning Systems, 2020, 31, 352-356.              | 11.3 | 25        |
| 15 | Reducibilities of hyperbolic neural networks. Neurocomputing, 2020, 378, 129-141.   | 5.9  | 2         |
| 16 | A Projection Rule for Complexâ€Valued Associative Memory with Partial Connections. IEEJ Transactions on Electrical and Electronic Engineering, 2020, 15, 1327-1336. | 1.4  | 0         |
| 17 | Hyperbolic-Valued Hopfield Neural Networks in Synchronous Mode. Neural Computation, 2020, 32, 1685-1696.  | 2.2  | 4         |
| 18 | Bicomplex Projection Rule for Complex-Valued Hopfield Neural Networks. Neural Computation, 2020, 32, 2237-2248.   | 2.2  | 3         |

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Matrix-valued twin-multistate Hopfield neural networks. Neurocomputing, 2020, 397, 108-113.  | 5.9  | 3         |
| 20 | Hopfield neural networks using Klein four-group. Neurocomputing, 2020, 387, 123-128.   | 5.9  | 15        |
| 21 | Split Quaternion-Valued Twin-Multistate Hopfield Neural Networks. Advances in Applied Clifford<br>Algebras, 2020, 30, 1.   | 1.0  | 7         |
| 22 | Diagonal rotor Hopfield neural networks. Neurocomputing, 2020, 415, 40-47.   | 5.9  | 5         |
| 23 | Storage capacity of hyperbolic Hopfield neural networks. Neurocomputing, 2019, 369, 185-190.   | 5.9  | 15        |
| 24 | Hypercomplex Widely Linear Estimation Through the Lens of Underpinning Geometry. IEEE<br>Transactions on Signal Processing, 2019, 67, 3985-3994.                                 | 5.3  | 16        |
| 25 | \$O(2)\$ -Valued Hopfield Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3833-3838.   | 11.3 | 11        |
| 26 | Stability of Rotor Hopfield Neural Networks With Synchronous Mode. IEEE Transactions on Neural<br>Networks and Learning Systems, 2018, 29, 744-748.                              | 11.3 | 20        |
| 27 | Singularities of Three-Layered Complex-Valued Neural Networks With Split Activation Function. IEEE<br>Transactions on Neural Networks and Learning Systems, 2018, 29, 1900-1907. | 11.3 | 19        |
| 28 | Decomposition of Rotor Hopfield Neural Networks Using Complex Numbers. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1366-1370.                           | 11.3 | 20        |
| 29 | Fixed points of symmetric complex-valued Hopfield neural networks. Neurocomputing, 2018, 275, 132-136.   | 5.9  | 2         |
| 30 | Multistate vector product hopfield neural networks. Neurocomputing, 2018, 272, 425-431.  | 5.9  | 9         |
| 31 | Dualâ€numbered Hopfield neural networks. IEEJ Transactions on Electrical and Electronic Engineering, 2018, 13, 280-284.  | 1.4  | 4         |
| 32 | Hyperbolic Hopfield neural networks with directional multistate activation function.<br>Neurocomputing, 2018, 275, 2217-2226.  | 5.9  | 36        |
| 33 | Storage Capacities of Twin-Multistate Quaternion Hopfield Neural Networks. Computational<br>Intelligence and Neuroscience, 2018, 2018, 1-5.                                      | 1.7  | 3         |
| 34 | Twin-multistate commutative quaternion Hopfield neural networks. Neurocomputing, 2018, 320, 150-156.   | 5.9  | 41        |
| 35 | Storage capacity of rotor Hopfield neural networks. Neurocomputing, 2018, 316, 30-33.  | 5.9  | 13        |
| 36 | Symmetric Complex-Valued Hopfield Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1011-1015.   | 11.3 | 35        |

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Symmetric quaternionic Hopfield neural networks. Neurocomputing, 2017, 240, 110-114.   | 5.9 | 16        |
| 38 | Chaotic pseudo-orthogonalized Hopfield associative memory. Neurocomputing, 2017, 241, 147-151.   | 5.9 | 7         |
| 39 | Gradient descent learning for quaternionic Hopfield neural networks. Neurocomputing, 2017, 260, 174-179.   | 5.9 | 18        |
| 40 | Chaotic complexâ€valued bipartite autoâ€associative memory with a periodic activation function. IEEJ<br>Transactions on Electrical and Electronic Engineering, 2017, 12, 584-588.    | 1.4 | 1         |
| 41 | Fixed points of split quaternionic hopfield neural networks. Signal Processing, 2017, 136, 38-42.  | 3.7 | 11        |
| 42 | Quaternionic Hopfield neural networks with twin-multistate activation function. Neurocomputing, 2017, 267, 304-310.  | 5.9 | 42        |
| 43 | Pseudomemories of twoâ€dimensional multistate hopfield neural networks. IEEJ Transactions on<br>Electrical and Electronic Engineering, 2017, 12, 269-272.                            | 1.4 | 7         |
| 44 | Hyperbolic Hopfield neural networks with fourâ€state neurons. IEEJ Transactions on Electrical and Electronic Engineering, 2017, 12, 428-433.   | 1.4 | 10        |
| 45 | Uniqueness theorem for quaternionic neural networks. Signal Processing, 2017, 136, 102-106.  | 3.7 | 11        |
| 46 | Fast Recall for Complex-Valued Hopfield Neural Networks with Projection Rules. Computational Intelligence and Neuroscience, 2017, 2017, 1-6.   | 1.7 | 8         |
| 47 | Three-Dimensional Quaternionic Hopfield Neural Networks. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 1575-1577.           | 0.3 | 6         |
| 48 | Rotational invariance of quaternionic hopfield neural networks. IEEJ Transactions on Electrical and Electronic Engineering, 2016, 11, 516-520.                                       | 1.4 | 30        |
| 49 | Gradient descent learning rule for complexâ€valued associative memories with large constant terms.<br>IEEJ Transactions on Electrical and Electronic Engineering, 2016, 11, 357-363. | 1.4 | 25        |
| 50 | Information geometry of rotor Boltzmann machines. Nonlinear Theory and Its Applications IEICE, 2016, 7, 266-282.   | 0.6 | 3         |
| 51 | Pattern Retrieval by Quaternionic Associative Memory with Dual Connections. Lecture Notes in Computer Science, 2016, , 317-325.  | 1.3 | 2         |
| 52 | Retrieval performance of Hopfield Associative Memory with Complex-valued and Real-valued neurons. , 2016, , .  |     | 1         |
| 53 | Global Hyperbolic Hopfield Neural Networks. IEICE Transactions on Fundamentals of Electronics,<br>Communications and Computer Sciences, 2016, E99.A, 2511-2516.                      | 0.3 | 14        |
| 54 | Attractors accompanied with a training pattern of multivalued hopfield neural networks. IEEJ<br>Transactions on Electrical and Electronic Engineering, 2015, 10, 195-200.            | 1.4 | 23        |

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 55 | Uniqueness Theorem of Complex-Valued Neural Networks with Polar-Represented Activation<br>Function. IEICE Transactions on Fundamentals of Electronics, Communications and Computer<br>Sciences, 2015, E98.A, 1937-1943. | 0.3  | 7         |
| 56 | Hybrid Quaternionic Hopfield Neural Network. IEICE Transactions on Fundamentals of Electronics,<br>Communications and Computer Sciences, 2015, E98.A, 1512-1518.  | 0.3  | 26        |
| 57 | On the performance of Quaternionic Bidirectional Auto-Associative Memory. , 2015, , .   |      | 6         |
| 58 | Projection Rule for Rotor Hopfield Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1298-1307.   | 11.3 | 41        |
| 59 | Multidirectional associative memory with self-connections. Nonlinear Theory and Its Applications IEICE, 2014, 5, 222-234.   | 0.6  | 1         |
| 60 | Complex-Valued Bipartite Auto-Associative Memory. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 1680-1687.  | 0.3  | 21        |
| 61 | Multidirectional associative memory with two hidden layers. IEEJ Transactions on Electrical and Electronic Engineering, 2013, 8, 299-300.   | 1.4  | 5         |
| 62 | Hyperbolic Hopfield Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 335-341.  | 11.3 | 61        |
| 63 | Complex-valued bidirectional auto-associative memory. , 2013, , .   |      | 5         |
| 64 | Chaotic complex-valued bidirectional associative memory with a real-valued context part. Nonlinear Theory and Its Applications IEICE, 2013, 4, 299-312.   | 0.6  | 6         |
| 65 | Projection rule for complex-valued associative memory with large constant terms. Nonlinear Theory and Its Applications IEICE, 2012, 3, 426-435.   | 0.6  | 16        |
| 66 | Rotor Associative Memory with a Periodic Activation Function. , 2012, , .   |      | 9         |
| 67 | Twisted quaternary neural networks. IEEJ Transactions on Electrical and Electronic Engineering, 2012, 7, 397-401.   | 1.4  | 15        |
| 68 | Dynamic Complex-Valued Associative Memory with Strong Bias Terms. Lecture Notes in Computer Science, 2011, , 509-518.   | 1.3  | 8         |
| 69 | Gradient Descent Learning for Rotor Associative Memory. IEEJ Transactions on Electronics,<br>Information and Systems, 2011, 131, 116-121.   | 0.2  | 6         |
| 70 | Noise Robust Gradient Descent Learning for Complex-Valued Associative Memory. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 1756-1759.                          | 0.3  | 21        |
| 71 | Reducing Spurious States by Rotor Associative Memory. IEEJ Transactions on Electronics, Information and Systems, 2011, 131, 109-115.  | 0.2  | 3         |
| -  | Fundamental Abilities of Deter Associative Memory 2010  |      | 10        |

72 Fundamental Abilities of Rotor Associative Memory. , 2010, , .

| #  | Article   | IF                | CITATIONS  |
|----|---|-------------------|------------|
| 73 | Exceptional Reducibility of Complex-Valued Neural Networks. IEEE Transactions on Neural Networks, 2010, 21, 1060-1072.  | 4.2               | 34         |
| 74 | PSEUDO-RELAXATION LEARNING ALGORITHM FOR COMPLEX-VALUED ASSOCIATIVE MEMORY. International Journal of Neural Systems, 2008, 18, 147-156.   | 5.2               | 29         |
| 75 | Complex-valued multidirectional associative memory. Electrical Engineering in Japan (English) Tj ETQq1 1 0.7843   | 14 rgBT /O<br>0.4 | verlock 10 |
| 76 | Three-Dimensional Associative Memory Using Exterior Product. IEEJ Transactions on Electronics,<br>Information and Systems, 2004, 124, 150-156.  | 0.2               | 2          |
| 77 | Construction of high-dimensional neural networks by linear connections of matrices. Electronics<br>and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi) Tj ETQq1 1 | 007.84314         | rgBT /Over |
| 78 | Multidirectional associative memory with a hidden layer. Systems and Computers in Japan, 2002, 33, 1-9.   | 0.2               | 6          |
| 79 | Automatic sleep stage scoring based on waveform recognition method and decision-tree learning.<br>Systems and Computers in Japan, 2002, 33, 1-13.   | 0.2               | 25         |
| 80 | On generators of ideal class groups in quadratic fields. Japanese Journal of Mathematics, 1995, 21,<br>105-116.   | 2.1               | 0          |
| 81 | On Ono's problem for quadratic fields. Proceedings of the Japan Academy Series A: Mathematical<br>Sciences, 1993, 69, .   | 0.4               | 2          |
| 82 | Prime producing quadratic polynomials and class-number one problem for real quadratic fields.   | 0.4               | 5          |

82 Proceedings of the Japan Academy Series A: Mathematical Sciences, 1990, 66, .