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Artificial neural networks (ANN) or connectionist systems are computing systems vaguely inspired by the biological neural networks that constitute animal brains. The ...

Artificial neural network - Wikipedia

Neural Networks is the archival journal of the world's three oldest neural modeling societies: the International Neural Network Society (INNS), the...

Neural Networks - Journal - Elsevier

American Journal of Neural Networks and Applications (AJNNA) as a miscellany of relevant scientific articles on the results of research carried out in laboratories ...

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MobileNets: Efficient Convolutional Neural Networks for Mobile Vision Applications Andrew G. Howard Menglong Zhu Bo Chen Dmitry Kalenichenko Weijun Wang Tobias ...

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IEEE Transactions on Neural Networks is devoted to the science and technology of neural networks, which disclose significant technical knowledge, exploratory ...

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Artificial neural networks (the multilayer perceptron)â€™a

History. Recurrent neural networks were developed in the 1980s. Hopfield networks were discovered by John Hopfield in 1982. In 1993, a neural history compressor ...

Recurrent neural network - Wikipedia

IEEE Transactions on Neural Networks and Learning Systems publishes technical articles that deal with the theory, design, and applications of neural networks and ...

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Journal of Machine Learning Research 15 (2014) 1929-1958 Submitted 11/13; Published 6/14 Dropout: A Simple Way to Prevent Neural Networks from

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Dropout improves Recurrent Neural Networks for Handwriting Recognition Vu Phamy, Theodore BlucheÂ´z, Christopher Kermorvant , and JÂ´erome LouradourË†

Dropout improves Recurrent Neural Networks for Handwriting

In recent years, deep artificial neural networks (including recurrent ones) have won numerous contests in pattern recognition and machine learning.

Deep learning in neural networks: An overview - ScienceDirect

A visual overview of neural attention, and the powerful extensions of neural networks being built on top of it.

Attention and Augmented Recurrent Neural Networks - Distill

Nonlinear principal component analysis (NLPCA) based on auto-associative neural networks, also known as autoencoder, replicator networks, bottleneck or sandglass type ...

NLPCA - nonlinear PCA - auto-associative neural networks

Optimizing FPGA-based Accelerator Design for Deep Convolutional Neural Networks Chen Zhang¹
chen.ceca@pku.edu.cn Peng Li² pengli@cs.ucla.edu Guangyu Sun^{1,3}

Optimizing FPGA-based Accelerator Design for Deep

Course materials and notes for Stanford class CS231n: Convolutional Neural Networks for Visual Recognition.

CS231n Convolutional Neural Networks for Visual Recognition

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Yann LeCun, Director of AI Research, Facebook Founding Director of the NYU Center for Data Science Silver Professor of Computer Science, Neural Science, and ...

Yann LeCun's Home Page

A new synthetic method to produce free-standing, flexible nanoporous carbon films from non-toxic, cheap, commercially available starting materials.

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