

# Seungkyu Choi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3892323/publications.pdf>

Version: 2024-02-01

12  
papers

104  
citations

2258059

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2272923

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g-index

12  
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12  
docs citations

12  
times ranked

107  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Energy-Efficient Deep Convolutional Neural Network Training Accelerator for <i>In Situ</i> Personalization on Smart Devices. IEEE Journal of Solid-State Circuits, 2020, 55, 2691-2702.	5.4	32
2	Energy-Efficient Design of Processing Element for Convolutional Neural Network. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 1332-1336.	3.0	25
3	An Optimized Design Technique of Low-bit Neural Network Training for Personalization on IoT Devices. , 2019, , .		17
4	TrainWare. , 2018, , .		13
5	A Pragmatic Approach to On-device Incremental Learning System with Selective Weight Updates. , 2020, , .		5
6	A Deep Neural Network Training Architecture With Inference-Aware Heterogeneous Data-Type. IEEE Transactions on Computers, 2022, 71, 1216-1229.	3.4	4
7	SENIN: An energy-efficient sparse neuromorphic system with on-chip learning. , 2017, , .		3
8	A 47.4 $\mu$ J/epoch Trainable Deep Convolutional Neural Network Accelerator for In-Situ Personalization on Smart Devices. , 2019, , .		2
9	Compressing Sparse Ternary Weight Convolutional Neural Networks for Efficient Hardware Acceleration. , 2019, , .		1
10	A Convergence Monitoring Method for DNN Training of On-Device Task Adaptation. , 2021, , .		1
11	Energy-Efficient CNN Personalized Training by Adaptive Data Reformation. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2023, 42, 332-336.	2.7	1
12	Rare Computing: Removing Redundant Multiplications From Sparse and Repetitive Data in Deep Neural Networks. IEEE Transactions on Computers, 2022, 71, 795-808.	3.4	0