

Seyong Oh

List of Publications by Year in descending order

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687363

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1863
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrolyte-Gated Vertical Synapse Array based on Van Der Waals Heterostructure for Parallel Computing. <i>Advanced Science</i> , 2022, 9, e2103808.	11.2	14
2	An Optogenetics-Inspired Flexible van der Waals Optoelectronic Synapse and its Application to a Convolutional Neural Network. <i>Advanced Materials</i> , 2021, 33, e2102980.	21.0	65
3	A Bioinspired Stretchable Sensory-Neuromorphic System. <i>Advanced Materials</i> , 2021, 33, e2104690.	21.0	67
4	An Optogenetics-Inspired Flexible van der Waals Optoelectronic Synapse and its Application to a Convolutional Neural Network (<i>Adv. Mater.</i> 40/2021). <i>Advanced Materials</i> , 2021, 33, 2170316.	21.0	3
5	Flexible artificial Si-In-Zn-O/ion gel synapse and its application to sensory-neuromorphic system for sign language translation. <i>Science Advances</i> , 2021, 7, eabg9450.	10.3	41
6	Photoelectroactive artificial synapse and its application to biosignal pattern recognition. <i>Npj 2D Materials and Applications</i> , 2021, 5, .	7.9	17
7	Recent Progress in Artificial Synapses Based on Two-Dimensional van der Waals Materials for Brain-Inspired Computing. <i>ACS Applied Electronic Materials</i> , 2020, 2, 371-388.	4.3	110
8	Artificial van der Waals hybrid synapse and its application to acoustic pattern recognition. <i>Nature Communications</i> , 2020, 11, 3936.	12.8	125
9	Highly Stable Artificial Synapse Consisting of Low-Surface Defect van der Waals and Self-Assembled Materials. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38299-38305.	8.0	14
10	Vertical organic synapse expandable to 3D crossbar array. <i>Nature Communications</i> , 2020, 11, 4595.	12.8	130
11	Rational Band Engineering of an Organic Double Heterojunction for Artificial Synaptic Devices with Enhanced State Retention and Linear Update of Synaptic Weight. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10737-10745.	8.0	14
12	A Neuromorphic Device Implemented on a Salmon-DNA Electrolyte and its Application to Artificial Neural Networks. <i>Advanced Science</i> , 2019, 6, 1901265.	11.2	38
13	Solar-stimulated optoelectronic synapse based on organic heterojunction with linearly potentiated synaptic weight for neuromorphic computing. <i>Nano Energy</i> , 2019, 66, 104095.	16.0	100
14	Artificial optic-neural synapse for colored and color-mixed pattern recognition. <i>Nature Communications</i> , 2018, 9, 5106.	12.8	462
15	Optoelectronic Synapse Based on IGZO-Alkylated Graphene Oxide Hybrid Structure. <i>Advanced Functional Materials</i> , 2018, 28, 1804397.	14.9	280
16	Contact Resistance Reduction Using Dielectric Materials of Nanoscale Thickness on Silicon for Monolithic 3D Integration. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 12764-12767.	0.9	5
17	High-Performance 2D Rhenium Disulfide (ReS ₂) Transistors and Photodetectors by Oxygen Plasma Treatment. <i>Advanced Materials</i> , 2016, 28, 6985-6992.	21.0	209