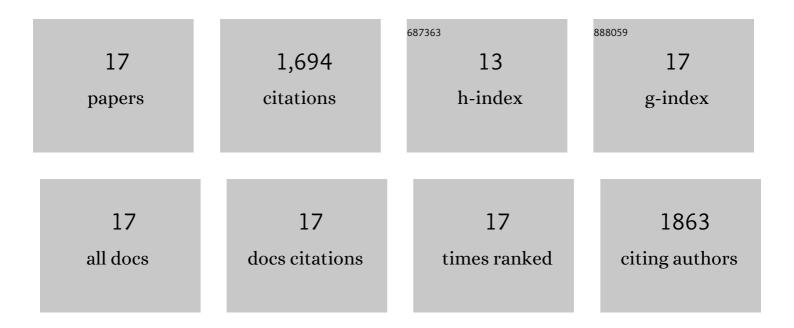
## Seyong Oh

## List of Publications by Year in descending order

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