

# Shilei Dai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5195432/publications.pdf>

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16  
papers

1,546  
citations

687363

13  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1362  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Transistor-Based Artificial Synapses. <i>Advanced Functional Materials</i> , 2019, 29, 1903700.	14.9	396
2	Light-Stimulated Synaptic Devices Utilizing Interfacial Effect of Organic Field-Effect Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 21472-21480.	8.0	224
3	Light-Stimulated Synaptic Transistors Fabricated by a Facile Solution Process Based on Inorganic Perovskite Quantum Dots and Organic Semiconductors. <i>Small</i> , 2019, 15, e1900010.	10.0	184
4	Perovskite/Organic Semiconductor-Based Photonic Synaptic Transistor for Artificial Visual System. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 39487-39495.	8.0	155
5	Recent Progress in Photonic Synapses for Neuromorphic Systems. <i>Advanced Intelligent Systems</i> , 2020, 2, 1900136.	6.1	132
6	Intrinsically ionic conductive cellulose nanopapers applied as all solid dielectrics for low voltage organic transistors. <i>Nature Communications</i> , 2018, 9, 2737.	12.8	126
7	Flexible Capacitive Humidity Sensors Based on Ionic Conductive Wood-Derived Cellulose Nanopapers. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 41896-41904.	8.0	66
8	The Design of 3D-Interface Architecture in an Ultralow-Power, Electrospun Single-Fiber Synaptic Transistor for Neuromorphic Computing. <i>Small</i> , 2020, 16, e1907472.	10.0	54
9	Photonic Synapses with Ultra-Low Energy Consumption Based on Vertical Organic Field-Effect Transistors. <i>Advanced Optical Materials</i> , 2021, 9, 2002030.	7.3	50
10	Tailoring neuroplasticity in flexible perovskite QDs-based optoelectronic synaptic transistors by dual modes modulation. <i>Nano Energy</i> , 2022, 95, 106987.	16.0	48
11	Retina-Inspired Organic Heterojunction-Based Optoelectronic Synapses for Artificial Visual Systems. <i>Research</i> , 2021, 2021, 7131895.	5.7	43
12	A Wavelength-Tunable Multi-Functional Transistor with Visible-Light Detection and Inverse Photomemory for Logic Gate and Retina Emulation. <i>Advanced Optical Materials</i> , 2021, 9, 2100654.	7.3	25
13	Bioinspired organic optoelectronic synaptic transistors based on cellulose nanopaper and natural chlorophyll-a for neuromorphic systems. <i>Npj Flexible Electronics</i> , 2022, 6, .	10.7	21
14	Organic synaptic devices based on ionic gel with reduced leakage current. <i>Chemical Communications</i> , 2021, 57, 1907-1910.	4.1	13
15	Sensitive sensors based on bilayer organic field-effect transistors for detecting lithium-ion battery electrolyte leakage. <i>Science China Materials</i> , 2022, 65, 1187-1194.	6.3	9
16	Neuromorphic Computing: The Design of 3D-Interface Architecture in an Ultralow-Power, Electrospun Single-Fiber Synaptic Transistor for Neuromorphic Computing (Small 13/2020). <i>Small</i> , 2020, 16, 2070071.	10.0	0