

Xiao Yang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7901173/publications.pdf>

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13
papers

1,913
citations

759233

12
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

3337
citing authors

#	ARTICLE	IF	CITATIONS
1	Out-of-Plane Piezoelectricity and Ferroelectricity in Layered In_2Se_3 Nanoflakes. <i>Nano Letters</i> , 2017, 17, 5508-5513.	9.1	567
2	Bioinspired neuron-like electronics. <i>Nature Materials</i> , 2019, 18, 510-517.	27.5	277
3	Controlled synthesis of single-crystal SnSe nanoplates. <i>Nano Research</i> , 2015, 8, 288-295.	10.4	207
4	Specific detection of biomolecules in physiological solutions using graphene transistor biosensors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14633-14638.	7.1	200
5	Syringe-injectable mesh electronics integrate seamlessly with minimal chronic immune response in the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5894-5899.	7.1	181
6	A method for single-neuron chronic recording from the retina in awake mice. <i>Science</i> , 2018, 360, 1447-1451.	12.6	132
7	Mesh electronics: a new paradigm for tissue-like brain probes. <i>Current Opinion in Neurobiology</i> , 2018, 50, 33-41.	4.2	131
8	Polyoxometalate-functionalized metal-organic frameworks with improved water retention and uniform proton-conducting pathways in three orthogonal directions. <i>Chemical Communications</i> , 2014, 50, 10023-10026.	4.1	99
9	Tissue-like Neural Probes for Understanding and Modulating the Brain. <i>Biochemistry</i> , 2018, 57, 3995-4004.	2.5	33
10	Dissecting Biological and Synthetic Soft-Hard Interfaces for Tissue-Like Systems. <i>Chemical Reviews</i> , 2022, 122, 5233-5276.	47.7	32
11	Stepwise on-surface dissymmetric reaction to construct binodal organometallic network. <i>Nature Communications</i> , 2019, 10, 2545.	12.8	26
12	Nanotechnology Enables Novel Modalities for Neuromodulation. <i>Advanced Materials</i> , 2021, 33, e2103208.	21.0	26
13	Syntheses of Anthracene-Centered Large PAH Diimides and Conjugated Polymers**. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	2