

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8242762/jia-liu-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

9,029
citations

29
h-index

62
g-index

62
ext. papers

10,649
ext. citations

13.6
avg, IF

6.22
L-index

#	Paper	IF	Citations
55	Pursuing prosthetic electronic skin. <i>Nature Materials</i> , 2016 , 15, 937-50	27	1324
54	Human genome sequencing using unchained base reads on self-assembling DNA nanoarrays. <i>Science</i> , 2010 , 327, 78-81	33.3	928
53	Multifunctional mesoporous composite microspheres with well-designed nanostructure: a highly integrated catalyst system. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8466-73	16.4	827
52	Highly water-dispersible biocompatible magnetite particles with low cytotoxicity stabilized by citrate groups. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5875-9	16.4	703
51	A highly stretchable, transparent, and conductive polymer. <i>Science Advances</i> , 2017 , 3, e1602076	14.3	674
50	A bioinspired flexible organic artificial afferent nerve. <i>Science</i> , 2018 , 360, 998-1003	33.3	637
49	Macroporous nanowire nanoelectronic scaffolds for synthetic tissues. <i>Nature Materials</i> , 2012 , 11, 986-9427		494
48	Three-dimensional intact-tissue sequencing of single-cell transcriptional states. <i>Science</i> , 2018 , 361,	33.3	482
47	Syringe-injectable electronics. <i>Nature Nanotechnology</i> , 2015 , 10, 629-636	28.7	416
46	Soft and elastic hydrogel-based microelectronics for localized low-voltage neuromodulation. <i>Nature Biomedical Engineering</i> , 2019 , 3, 58-68	19	284
45	Synthesis of Core/Shell Colloidal Magnetic Zeolite Microspheres for the Immobilization of Trypsin. <i>Advanced Materials</i> , 2009 , 21, 1377-1382	24	259
44	Biocompatible and totally disintegrable semiconducting polymer for ultrathin and ultralightweight transient electronics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 5107-5112	11.5	255
43	Three-dimensional macroporous nanoelectronic networks as minimally invasive brain probes. <i>Nature Materials</i> , 2015 , 14, 1286-92	27	246
42	Fast and reversible thermoresponsive polymer switching materials for safer batteries. <i>Nature Energy</i> , 2016 , 1,	62.3	190
41	Highly Water-Dispersible Biocompatible Magnetite Particles with Low Cytotoxicity Stabilized by Citrate Groups. <i>Angewandte Chemie</i> , 2009 , 121, 5989-5993	3.6	138
40	Three-dimensional mapping and regulation of action potential propagation in nanoelectronics-innervated tissues. <i>Nature Nanotechnology</i> , 2016 , 11, 776-82	28.7	124
39	Ultra-Large-Pore Mesoporous Carbons Templated from Poly(ethylene oxide)-b-Polystyrene Diblock Copolymer by Adding Polystyrene Homopolymer as a Pore Expander. <i>Chemistry of Materials</i> , 2008 , 20, 7281-7286	9.6	108

38	Long term stability of nanowire nanoelectronics in physiological environments. <i>Nano Letters</i> , 2014 , 14, 1614-9	11.5	107
37	Nanoelectronics-biology frontier: From nanoscopic probes for action potential recording in live cells to three-dimensional cyborg tissues. <i>Nano Today</i> , 2013 , 8, 351-373	17.9	101
36	Chiral hierarchical molecular nanostructures on two-dimensional surface by controllable trinary self-assembly. <i>Journal of the American Chemical Society</i> , 2011 , 133, 21010-5	16.4	85
35	Multifunctional three-dimensional macroporous nanoelectronic networks for smart materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6694-9	11.5	72
34	Genetically targeted chemical assembly of functional materials in living cells, tissues, and animals. <i>Science</i> , 2020 , 367, 1372-1376	33.3	70
33	Cyborg Organoids: Implantation of Nanoelectronics via Organogenesis for Tissue-Wide Electrophysiology. <i>Nano Letters</i> , 2019 , 19, 5781-5789	11.5	67
32	Intrinsically stretchable electrode array enabled in vivo electrophysiological mapping of atrial fibrillation at cellular resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 14769-14778	11.5	50
31	Solvent-controlled 2D host-guest (2,7,12-trihexyloxytruxene/coronene) molecular nanostructures at organic liquid/solid interface investigated by scanning tunneling microscopy. <i>Langmuir</i> , 2010 , 26, 8195-8200	4.200	50
30	Fully stretchable active-matrix organic light-emitting electrochemical cell array. <i>Nature Communications</i> , 2020 , 11, 3362	17.4	47
29	"Recent advances on support materials for lipase immobilization and applicability as biocatalysts in inhibitors screening methods"-A review. <i>Analytica Chimica Acta</i> , 2020 , 1101, 9-22	6.6	40
28	Roadmap on semiconductor-cell biointerfaces. <i>Physical Biology</i> , 2018 , 15, 031002	3	34
27	Magnetic 3-D ordered macroporous silica templated from binary colloidal crystals and its application for effective removal of microcystin. <i>Microporous and Mesoporous Materials</i> , 2010 , 130, 26-31	5.3	32
26	A simple approach to the synthesis of hollow microspheres with magnetite/silica hybrid walls. <i>Journal of Colloid and Interface Science</i> , 2009 , 333, 329-34	9.3	28
25	Syringe Injectable Electronics. <i>Springer Theses</i> , 2018 , 65-93	0.1	18
24	Fundamental Limits to the Electrochemical Impedance Stability of Dielectric Elastomers in Bioelectronics. <i>Nano Letters</i> , 2020 , 20, 224-233	11.5	18
23	A novel approach to the construction of 3-D ordered macrostructures with polyhedral particles. <i>Journal of Materials Chemistry</i> , 2008 , 18, 408-415		17
22	Homopolymer induced phase evolution in mesoporous silica from evaporation induced self-assembly process. <i>Microporous and Mesoporous Materials</i> , 2008 , 116, 633-640	5.3	14
21	From Lithographically Patternable to Genetically Patternable Electronic Materials for Miniaturized, Scalable, and Soft Implantable Bioelectronics to Interface with Nervous and Cardiac Systems. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 101-118	4	12

20	ClusterMap for multi-scale clustering analysis of spatial gene expression. <i>Nature Communications</i> , 2021 , 12, 5909	17.4	11
19	Stretchable Electrets: Nanoparticle-Elastomer Composites. <i>Nano Letters</i> , 2020 , 20, 4580-4587	11.5	9
18	Shape-persistent two-component 2D networks with atomic-size tunability. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 2426-30	4.5	9
17	Engineering the mesopores of Fe ₃ O ₄ @mesosilica core-shell nanospheres through a solvothermal post-treatment method. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 582-7	4.5	6
16	Stretchable Mesh Nanoelectronics for Three-Dimensional Single-Cell Chronic Electrophysiology from Developing Brain Organoids.. <i>Advanced Materials</i> , 2022 , e2106829	24	5
15	Antimicrobial and Immunomodulating Activities of Two Endemic Species and Their Major Iridoids Isolated from Natural Sources. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	5
14	Scanning tunneling microscopy investigation of copper phthalocyanine and truxenone derivative binary superstructures on graphite. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 424-9	4.5	4
13	Lanthanide-containing persistent luminescence materials with superbright red afterglow and excellent solution processability. <i>Science China Chemistry</i> , 2021 , 64, 2125	7.9	4
12	In situ electro-sequencing in three-dimensional tissues		4
11	Emerging Bioelectronics for Brain Organoid Electrophysiology. <i>Journal of Molecular Biology</i> , 2021 , 1671655	6.5	4
10	Functional nanomaterial-enabled synthetic biology. <i>Nano Futures</i> , 2021 , 5, 022001	3.6	3
9	ClusterMap: multi-scale clustering analysis of spatial gene expression		3
8	Cyborg Organoids: Implantation of Nanoelectronics via Organogenesis for Tissue-Wide Electrophysiology		2
7	Elevated serum 4HNE plus decreased serum thioredoxin: Unique feature and implications for acute exacerbation of chronic obstructive pulmonary disease. <i>PLoS ONE</i> , 2021 , 16, e0245810	3.7	2
6	New insights into serum/extracellular thioredoxin in regulating hepatic insulin receptor activation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020 , 1864, 129630	4	1
5	Chemically Modified mocrNAs for Highly Efficient Protein Expression in Mammalian Cells.. <i>ACS Chemical Biology</i> , 2022 ,	4.9	1
4	A method for three-dimensional single-cell chronic electrophysiology from developing brain organoids		1
3	Biomimetics Through Nanoelectronics. <i>Springer Theses</i> , 2018 ,	0.1	1

- 2 Soft bioelectronics for cardiac interfaces. *Biophysics Reviews*, **2022**, 3, 011301 2.6 0
- 1 Three-Dimensional Macroporous Nanoelectronics Network. *Springer Theses*, **2018**, 15-25 0.1