

Huanan Zhang

List of Publications by Year in descending order

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32
papers

1,936
citations

516710

16
h-index

454955

30
g-index

33
all docs

33
docs citations

33
times ranked

3222
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasml implantable composite microelectrodes with bioactive surfaces for chronic neural interfaces. <i>Nature Materials</i> , 2012, 11, 1065-1073.	27.5	601
2	Chiral plasmonics of self-assembled nanorod dimers. <i>Scientific Reports</i> , 2013, 3, 1934.	3.3	185
3	Chronic <i>in vivo</i> stability assessment of carbon fiber microelectrode arrays. <i>Journal of Neural Engineering</i> , 2016, 13, 066002.	3.5	166
4	Insertion of linear 8.4 μm diameter 16 channel carbon fiber electrode arrays for single unit recordings. <i>Journal of Neural Engineering</i> , 2015, 12, 046009.	3.5	142
5	Thermodynamic and Structural Insights into Nanocomposites Engineering by Comparing Two Materials Assembly Techniques for Graphene. <i>ACS Nano</i> , 2013, 7, 4818-4829.	14.6	122
6	Circular Differential Scattering of Single Chiral Self-Assembled Gold Nanorod Dimers. <i>ACS Photonics</i> , 2015, 2, 1602-1610.	6.6	107
7	Tissue-Compliant Neural Implants from Microfabricated Carbon Nanotube Multilayer Composite. <i>ACS Nano</i> , 2013, 7, 7619-7629.	14.6	74
8	Layered Nanocomposites from Gold Nanoparticles for Neural Prosthetic Devices. <i>Nano Letters</i> , 2012, 12, 3391-3398.	9.1	73
9	¹²⁵ I-Labeled Gold Nanorods for Targeted Imaging of Inflammation. <i>ACS Nano</i> , 2011, 5, 8967-8973.	14.6	65
10	Subcellular Neural Probes from Single-Crystal Gold Nanowires. <i>ACS Nano</i> , 2014, 8, 8182-8189.	14.6	61
11	Nanomechanical Control of Cell Rolling in Two Dimensions through Surface Patterning of Receptors. <i>Nano Letters</i> , 2008, 8, 1153-1158.	9.1	53
12	Covalent Immobilization of P-Selectin Enhances Cell Rolling. <i>Langmuir</i> , 2007, 23, 12261-12268.	3.5	42
13	Dual-mode imaging with radiolabeled gold nanorods. <i>Journal of Biomedical Optics</i> , 2011, 16, 051307.	2.6	37
14	Nanostructured Coatings for Improved Charge Delivery to Neurons. , 2014, , 71-134.		26
15	Silicon Nanoribbon pH Sensors Protected by a Barrier Membrane with Carbon Nanotube Porins. <i>Nano Letters</i> , 2019, 19, 629-634.	9.1	24
16	Next-Generation Healthcare: Enabling Technologies for Emerging Bioelectromagnetics Applications. <i>IEEE Open Journal of Antennas and Propagation</i> , 2022, 3, 363-390.	3.7	24
17	Conductive Polymer Enabled Biostable Liquid Metal Electrodes for Bioelectronic Applications. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102382.	7.6	23
18	Multilayer Carbon Nanotube/Gold Nanoparticle Composites on Gallium-Based Liquid Metals for Electrochemical Biosensing. <i>ACS Applied Nano Materials</i> , 2021, 4, 12690-12701.	5.0	21

#	ARTICLE	IF	CITATIONS
19	Gold and silver nanocomposite-based biostable and biocompatible electronic textile for wearable electromyographic biosensors. <i>APL Materials</i> , 2021, 9, .	5.1	14
20	Chemical Analysis of the Gallium Surface in a Physiologic Buffer. <i>Langmuir</i> , 2022, 38, 6817-6825.	3.5	10
21	Effect of conductivity on subdermal antennas. <i>Microwave and Optical Technology Letters</i> , 2018, 60, 1154-1160.	1.4	9
22	Biostable conductive nanocomposite for implantable subdermal antenna. <i>APL Materials</i> , 2020, 8, .	5.1	9
23	Muscle dystrophy single point mutation in the 2B segment of lamin A does not affect the mechanical properties at the dimer level. <i>Journal of Biomechanics</i> , 2008, 41, 1295-1301.	2.1	8
24	Simultaneous measurement of neurite and neural body mass accumulation via quantitative phase imaging. <i>Analyst</i> , The, 2021, 146, 1361-1368.	3.5	8
25	Screen-printed conductive pattern on spandex for stretchable electronic textiles. <i>Smart Materials and Structures</i> , 2021, 30, 075006.	3.5	8
26	Gold Nanoparticle/Carbon Fiber Hybrid Structure from the Eco-Friendly and Energy-Efficient Process for Electrochemical Biosensing. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 8815-8824.	6.7	6
27	Design of an Interstitial Microwave Applicator for 3D Printing in the Body. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2020, 4, 260-264.	3.4	5
28	Graph theoretical design of biomimetic aramid nanofiber composites as insulation coatings for implantable bioelectronics. <i>MRS Bulletin</i> , 2021, 46, 576-587.	3.5	5
29	Ultrafast laser orthogonal alignment and patterning of carbon nanotube-polymer composite films. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	4
30	Thermally tunable hydrogel crosslinking mediated by temperature sensitive liposome. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 065026.	3.3	2
31	Field Focusing for Implanted Medical Devices. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2020, 4, 273-278.	3.4	1
32	Ultrafast Laser Alignment and Processing of Carbon Nanotube Films. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1308, 10601.	0.1	0