

Xiaocheng Jiang

List of Publications by Year in Descending Order

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

34 papers	3,626 citations	23 h-index	36 g-index
36 ext. papers	4,054 ext. citations	10.6 avg, IF	5.07 L-index

#	Paper	IF	Citations
34	Hydrogel facilitated bioelectronic integration. <i>Biomaterials Science</i> , 2021 , 9, 23-37	7.4	7
33	Three-dimensional transistor arrays for intra- and inter-cellular recording.. <i>Nature Nanotechnology</i> , 2021 ,	28.7	8
32	Emerging investigator series: emerging biotechnologies in wastewater treatment: from biomolecular engineering to multiscale integration. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 1967-1985	4.2	3
31	Living electronics. <i>Nano Research</i> , 2020 , 13, 1205-1213	10	9
30	Bottom-Up Construction of Electrochemically Active Living Filters: From Graphene Oxide Mediated Formation of Bacterial Cables to 3D Assembly of Hierarchical Architectures.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 7376-7381	4.1	1
29	3D Printing of Silk Protein Structures by Aqueous Solvent-Directed Molecular Assembly. <i>Macromolecular Bioscience</i> , 2020 , 20, e1900191	5.5	22
28	Living Vnks for 3D Bioprinting. <i>Trends in Biotechnology</i> , 2019 , 37, 795-796	15.1	14
27	Hydrogel Gate Graphene Field-Effect Transistors as Multiplexed Biosensors. <i>Nano Letters</i> , 2019 , 19, 2620-2623	12.6	30
26	Modularized Field-Effect Transistor Biosensors. <i>Nano Letters</i> , 2019 , 19, 6658-6664	11.5	18
25	Biosynthetic Electronic Interfaces for Bridging Microbial and Inorganic Electron Transport. <i>Nano Letters</i> , 2019 , 19, 8787-8792	11.5	4
24	Nanostructured interfaces for probing and facilitating extracellular electron transfer. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 7144-7158	7.3	11
23	Core/Shell Bacterial Cables: A One-Dimensional Platform for Probing Microbial Electron Transfer. <i>Nano Letters</i> , 2018 , 18, 4606-4610	11.5	12
22	The ins and outs of microorganism-electrode electron transfer reactions. <i>Nature Reviews Chemistry</i> , 2017 , 1,	34.6	276
21	Microfluidic isolation of platelet-covered circulating tumor cells. <i>Lab on A Chip</i> , 2017 , 17, 3498-3503	7.2	75
20	Scaling of subgap excitations in a superconductor-semiconductor nanowire quantum dot. <i>Physical Review B</i> , 2017 , 95,	3.3	30
19	General strategy for biodetection in high ionic strength solutions using transistor-based nanoelectronic sensors. <i>Nano Letters</i> , 2015 , 15, 2143-8	11.5	158
18	Spin-resolved Andreev levels and parity crossings in hybrid superconductor-semiconductor nanostructures. <i>Nature Nanotechnology</i> , 2014 , 9, 79-84	28.7	389

17	Nanoparticle facilitated extracellular electron transfer in microbial fuel cells. <i>Nano Letters</i> , 2014 , 14, 6737-42	11.5	113
16	Probing single- to multi-cell level charge transport in <i>Geobacter sulfurreducens</i> DL-1. <i>Nature Communications</i> , 2013 , 4, 2751	17.4	50
15	Zero-bias anomaly in a nanowire quantum dot coupled to superconductors. <i>Physical Review Letters</i> , 2012 , 109, 186802	7.4	259
14	Intracellular recordings of action potentials by an extracellular nanoscale field-effect transistor. <i>Nature Nanotechnology</i> , 2011 , 7, 174-9	28.7	352
13	Rational growth of branched nanowire heterostructures with synthetically encoded properties and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 12212-5	11.5	126
12	Probing electron transfer mechanisms in <i>Shewanella oneidensis</i> MR-1 using a nanoelectrode platform and single-cell imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 16806-10	11.5	124
11	Vertically integrated, three-dimensional nanowire complementary metal-oxide-semiconductor circuits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 21035-8	11.5	105
10	Controlled synthesis of millimeter-long silicon nanowires with uniform electronic properties. <i>Nano Letters</i> , 2008 , 8, 3004-9	11.5	176
9	InAs/InP radial nanowire heterostructures as high electron mobility devices. <i>Nano Letters</i> , 2007 , 7, 3214-8	11.5	336
8	Selective synthesis of monazite- and zircon-type LaVO ₄ (4) nanocrystals. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 3284-90	3.4	126
7	Structural transformation induced improved luminescent properties for LaVO ₄ :Eu nanocrystals. <i>Applied Physics Letters</i> , 2004 , 84, 5305-5307	3.4	132
6	Ordered Nanosheet-Based YBO ₃ :Eu ³⁺ Assemblies: Synthesis and Tunable Luminescent Properties. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 3387-3390	3.4	113
5	Acetate-Mediated Growth of Drumlike YBO ₃ :Eu ³⁺ Crystals. <i>Crystal Growth and Design</i> , 2004 , 4, 517-520	3.5	73
4	Shape Evolution of One-Dimensional Single-Crystalline ZnO Nanostructures in a Microemulsion System. <i>Crystal Growth and Design</i> , 2004 , 4, 309-313	3.5	66
3	Hydrothermal homogeneous urea precipitation of hexagonal YBO ₃ :Eu ³⁺ nanocrystals with improved luminescent properties. <i>Journal of Solid State Chemistry</i> , 2003 , 175, 245-251	3.3	115
2	Correlation between Size-Dependent Luminescent Properties and Local Structure around Eu ³⁺ Ions in YBO ₃ :Eu Nanocrystals: An XAFS Study. <i>Chemistry of Materials</i> , 2003 , 15, 3011-3017	9.6	60
1	Size-Dependent Chromaticity in YBO ₃ :Eu Nanocrystals: Correlation with Microstructure and Site Symmetry. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 10610-10617	3.4	232