

Xiaozhu Zhou

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.

40 papers	5,730 citations	33 h-index	43 g-index
43 ext. papers	6,007 ext. citations	11.2 avg, IF	5.15 L-index

#	Paper	IF	Citations
40	Apertureless cantilever-free pen arrays for scanning photochemical printing. <i>Small</i> , 2015 , 11, 913-8	11	37
39	Shape-selective deposition and assembly of anisotropic nanoparticles. <i>Nano Letters</i> , 2014 , 14, 2157-61	11.5	89
38	Capillary force-driven, large-area alignment of multi-segmented nanowires. <i>ACS Nano</i> , 2014 , 8, 1511-6	16.7	72
37	Plow and ridge nanofabrication. <i>Small</i> , 2013 , 9, 3058-62	11	7
36	Locally altering the electronic properties of graphene by nanoscopically doping it with Rhodamine 6G. <i>Nano Letters</i> , 2013 , 13, 1616-21	11.5	36
35	A general approach to DNA-programmable atom equivalents. <i>Nature Materials</i> , 2013 , 12, 741-6	27	249
34	Graphene oxide scrolls on hydrophobic substrates fabricated by molecular combing and their application in gas sensing. <i>Small</i> , 2013 , 9, 382-6	11	50
33	Comparative studies on single-layer reduced graphene oxide films obtained by electrochemical reduction and hydrazine vapor reduction. <i>Nanoscale Research Letters</i> , 2012 , 7, 161	5	66
32	Surface modification of smooth poly(L-lactic acid) films for gelatin immobilization. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 687-93	9.5	36
31	OWL-based nanomasks for preparing graphene ribbons with sub-10 nm gaps. <i>Nano Letters</i> , 2012 , 12, 4734-7	11.5	15
30	Multifunctional cantilever-free scanning probe arrays coated with multilayer graphene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 18312-7	11.5	35
29	Electrochemical deposition of Cl-doped n-type Cu ₂ O on reduced graphene oxide electrodes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3467-3470		78
28	Synthesis of hexagonal close-packed gold nanostructures. <i>Nature Communications</i> , 2011 , 2, 292	17.4	467
27	Facile synthesis of metal oxide/reduced graphene oxide hybrids with high lithium storage capacity and stable cyclability. <i>Nanoscale</i> , 2011 , 3, 1084-9	7.7	330
26	Single-layer graphene oxide sheet: a novel substrate for dip-pen nanolithography. <i>Chemical Communications</i> , 2011 , 47, 10070-2	5.8	15
25	Controlled growth of single-walled carbon nanotubes on patterned substrates. <i>Chemical Society Reviews</i> , 2011 , 40, 5221-31	58.5	33
24	Label-free, electrochemical detection of methicillin-resistant <i>Staphylococcus aureus</i> DNA with reduced graphene oxide-modified electrodes. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3881-6	11.8	180

23	Chemically functionalized surface patterning. <i>Small</i> , 2011 , 7, 2273-89	11	72
22	Reduced graphene oxide films used as matrix of MALDI-TOF-MS for detection of octachlorodibenzo-p-dioxin. <i>Chemical Communications</i> , 2010 , 46, 6974-6	5.8	118
21	Electrochemical deposition of Pt nanoparticles on carbon nanotube patterns for glucose detection. <i>Analyst, The</i> , 2010 , 135, 1726-30	5	44
20	Nanolithography of single-layer graphene oxide films by atomic force microscopy. <i>Langmuir</i> , 2010 , 26, 6164-6	4	62
19	Aminosilane micropatterns on hydroxyl-terminated substrates: fabrication and applications. <i>Langmuir</i> , 2010 , 26, 5603-9	4	91
18	Electrochemical Deposition of Semiconductor Oxides on Reduced Graphene Oxide-Based Flexible, Transparent, and Conductive Electrodes. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 11816-11821	3.8	142
17	Interfacing live cells with nanocarbon substrates. <i>Langmuir</i> , 2010 , 26, 2244-7	4	271
16	Polyphenylene Dendrimer-Templated In Situ Construction of Inorganic/Organic Hybrid Rice-Shaped Architectures. <i>Advanced Functional Materials</i> , 2010 , 20, 43-49	15.6	31
15	All-carbon electronic devices fabricated by directly grown single-walled carbon nanotubes on reduced graphene oxide electrodes. <i>Advanced Materials</i> , 2010 , 22, 3058-61	24	186
14	Amphiphilic Graphene Composites. <i>Angewandte Chemie</i> , 2010 , 122, 9616-9619	3.6	27
13	Amphiphilic graphene composites. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9426-9	16.4	301
12	Multilayer stacked low-temperature-reduced graphene oxide films: preparation, characterization, and application in polymer memory devices. <i>Small</i> , 2010 , 6, 1536-42	11	104
11	Electrochemical deposition of ZnO nanorods on transparent reduced graphene oxide electrodes for hybrid solar cells. <i>Small</i> , 2010 , 6, 307-12	11	579
10	Reduced graphene oxide-templated photochemical synthesis and in situ assembly of Au nanodots to orderly patterned Au nanodot chains. <i>Small</i> , 2010 , 6, 513-6	11	189
9	Conjugated-polyelectrolyte-functionalized reduced graphene oxide with excellent solubility and stability in polar solvents. <i>Small</i> , 2010 , 6, 663-9	11	260
8	Fabrication of Bio- and Nanopatterns by Dip Pen Nanolithography 2010 , 187-204		
7	A Method for Fabrication of Graphene Oxide Nanoribbons from Graphene Oxide Wrinkles. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 19119-19122	3.8	48
6	Dip-Pen Nanolithography-Generated Patterns Used as Gold Etch Resists: A Comparison Study of 16-Mercaptohexadecanoic Acid and 1-Octadecanethiol. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 4184-4187	3.8	19

5	Controlled assembly of gold nanoparticles and graphene oxide sheets on dip pen nanolithography-generated templates. <i>Langmuir</i> , 2009 , 25, 10455-8	4	52
4	Direct Electrochemical Reduction of Single-Layer Graphene Oxide and Subsequent Functionalization with Glucose Oxidase. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 14071-14075	3.8	583
3	In Situ Synthesis of Metal Nanoparticles on Single-Layer Graphene Oxide and Reduced Graphene Oxide Surfaces. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 10842-10846	3.8	650
2	Controlled growth of peptide nanoarrays on Si/SiO _x substrates. <i>Small</i> , 2008 , 4, 1324-8	11	38
1	Patterning Colloidal Metal Nanoparticles for Controlled Growth of Carbon Nanotubes. <i>Advanced Materials</i> , 2008 , 20, 4873-4878	24	68