Shixin Wu

List of Publications by Year
in descending order

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34	10,678	136950 32	345221 36
papers	citations	h-index	g-index

37	37	37	15677
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	TaS2 nanosheet-based room-temperature dosage meter for nitric oxide. APL Materials, 2014, 2, .	5.1	16
2	Electrochemically â€œWritingâ€•Graphene from Graphene Oxide. Small, 2014, 10, 3555-3559.	10.0	27
3	Grapheneâ€Based Electrochemical Sensors. Small, 2013, 9, 1160-1172.	10.0	526
4	Fabrication of nanoelectrode ensembles by electrodepositon of Au nanoparticles on single-layer graphene oxide sheets. Nanoscale, 2012, 4, 2728.	5.6	76
5	Real-time DNA detection using Pt nanoparticle-decorated reduced graphene oxide field-effect transistors. Nanoscale, 2012, 4, 293-297.	5.6	185
6	Chemoselective Photodeoxidization of Graphene Oxide Using Sterically Hindered Amines as Catalyst: Synthesis and Applications. ACS Nano, 2012, 6, 3027-3033.	14.6	82
7	Synthesis of Fe3O4 and Pt nanoparticles on reduced graphene oxide and their use as a recyclable catalyst. Nanoscale, 2012, 4, 2478.	5.6	131
8	Nanocomposites of Graphene Oxide and Upconversion Rareâ€Earth Nanocrystals with Superior Optical Limiting Performance. Small, 2012, 8, 2271-2276.	10.0	79
9	Mechanism Studies on the Superior Optical Limiting Observed in Graphene Oxide Covalently Functionalized with Upconversion NaYF₄:Yb³⁺/Er³⁺ Nanoparticles. Small, 2012, 8, 2163-2168.	10.0	59
10	Fabrication of Flexible MoS₂ Thinâ€Film Transistor Arrays for Practical Gasâ€Sensing Applications. Small, 2012, 8, 2994-2999.	10.0	817
11	High-density metallic nanogaps fabricated on solid substrates used for surface enhanced Raman scattering. Nanoscale, 2012, 4, 860-863.	5.6	43
12	Electrochemically Reduced Singleâ€Layer MoS₂ Nanosheets: Characterization, Properties, and Sensing Applications. Small, 2012, 8, 2264-2270.	10.0	373
13	Graphene-based electronic sensors. Chemical Science, 2012, 3, 1764.	7.4	663
14	Comparative studies on single-layer reduced graphene oxide films obtained by electrochemical reduction and hydrazine vapor reduction. Nanoscale Research Letters, 2012, 7, 161.	5.7	75
15	Graphene Oxideâ€Templated Synthesis of Ultrathin or Tadpoleâ€Shaped Au Nanowires with Alternating hcp and fcc Domains. Advanced Materials, 2012, 24, 979-983.	21.0	135
16	Assembly of Graphene Oxide and Au0.7Ag0.3 Alloy Nanoparticles on SiO2: A New Raman Substrate with Ultrahigh Signal-to-Background Ratio. Journal of Physical Chemistry C, 2011, 115, 24080-24084.	3.1	36
17	Electrochemical deposition of Cl-doped n-type Cu₂O on reduced graphene oxide electrodes. Journal of Materials Chemistry, 2011, 21, 3467-3470.	6.7	91
18	Synthesis of hexagonal close-packed gold nanostructures. Nature Communications, 2011, 2, 292.	12.8	553

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19	Nucleation Mechanism of Electrochemical Deposition of Cu on Reduced Graphene Oxide Electrodes. Journal of Physical Chemistry C, 2011, 115, 15973-15979.	3.1	50
20	Surface enhanced Raman scattering of Ag or Au nanoparticle-decorated reduced graphene oxide for detection of aromatic molecules. Chemical Science, 2011, 2, 1817.	7.4	249
21	Enhanced Thermopower of Graphene Films with Oxygen Plasma Treatment. ACS Nano, 2011, 5, 2749-2755.	14.6	181
22	Transparent, Flexible, All-Reduced Graphene Oxide Thin Film Transistors. ACS Nano, 2011, 5, 5038-5044.	14.6	305
23	Label-free, electrochemical detection of methicillin-resistant staphylococcus aureus DNA with reduced graphene oxide-modified electrodes. Biosensors and Bioelectronics, 2011, 26, 3881-3886.	10.1	191
24	Grapheneâ€Based Materials: Synthesis, Characterization, Properties, and Applications. Small, 2011, 7, 1876-1902.	10.0	2,239
25	Synthesis of Gold Squareâ€like Plates from Ultrathin Gold Square Sheets: The Evolution of Structure Phase and Shape. Angewandte Chemie - International Edition, 2011, 50, 12245-12248.	13.8	121
26	Enhancement of Photogenerated Electron Transport in Dyeâ€Sensitized Solar Cells with Introduction of a Reduced Graphene Oxideâ€“TiO₂ Junction. Chemistry - A European Journal, 2011, 17, 10832-10837.	3.3	133
27	Amphiphilic Graphene Composites. Angewandte Chemie - International Edition, 2010, 49, 9426-9429.	13.8	325
28	Electrochemical Deposition of ZnO Nanorods on Transparent Reduced Graphene Oxide Electrodes for Hybrid Solar Cells. Small, 2010, 6, 307-312.	10.0	626
29	Reduced Graphene Oxideâ€Templated Photochemical Synthesis and in situ Assembly of Au Nanodots to Orderly Patterned Au Nanodot Chains. Small, 2010, 6, 513-516.	10.0	202
30	Centimeter-Long and Large-Scale Micropatterns of Reduced Graphene Oxide Films: Fabrication and Sensing Applications. ACS Nano, 2010, 4, 3201-3208.	14.6	571
31	Electrochemical Deposition of Semiconductor Oxides on Reduced Graphene Oxide-Based Flexible, Transparent, and Conductive Electrodes. Journal of Physical Chemistry C, 2010, 114, 11816-11821.	3.1	159
32	Organic Photovoltaic Devices Using Highly Flexible Reduced Graphene Oxide Films as Transparent Electrodes. ACS Nano, 2010, 4, 5263-5268.	14.6	566
33	A Method for Fabrication of Graphene Oxide Nanoribbons from Graphene Oxide Wrinkles. Journal of Physical Chemistry C, 2009, 113, 19119-19122.	3.1	52
34	In Situ Synthesis of Metal Nanoparticles on Single-Layer Graphene Oxide and Reduced Graphene Oxide Surfaces. Journal of Physical Chemistry C, 2009, 113, 10842-10846.	3.1	702