

Shixin Wu

List of Publications by Year in descending order

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34
papers

10,678
citations

136950

32
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345221

36
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docs citations

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times ranked

15677
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene-Based Materials: Synthesis, Characterization, Properties, and Applications. <i>Small</i> , 2011, 7, 1876-1902.	10.0	2,239
2	Fabrication of Flexible MoS ₂ Thin-Film Transistor Arrays for Practical Gas-Sensing Applications. <i>Small</i> , 2012, 8, 2994-2999.	10.0	817
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.	3.1	702
4	Graphene-based electronic sensors. <i>Chemical Science</i> , 2012, 3, 1764.	7.4	663
5	Electrochemical Deposition of ZnO Nanorods on Transparent Reduced Graphene Oxide Electrodes for Hybrid Solar Cells. <i>Small</i> , 2010, 6, 307-312.	10.0	626
6	Centimeter-Long and Large-Scale Micropatterns of Reduced Graphene Oxide Films: Fabrication and Sensing Applications. <i>ACS Nano</i> , 2010, 4, 3201-3208.	14.6	571
7	Organic Photovoltaic Devices Using Highly Flexible Reduced Graphene Oxide Films as Transparent Electrodes. <i>ACS Nano</i> , 2010, 4, 5263-5268.	14.6	566
8	Synthesis of hexagonal close-packed gold nanostructures. <i>Nature Communications</i> , 2011, 2, 292.	12.8	553
9	Graphene-Based Electrochemical Sensors. <i>Small</i> , 2013, 9, 1160-1172.	10.0	526
10	Electrochemically Reduced Single-Layer MoS ₂ Nanosheets: Characterization, Properties, and Sensing Applications. <i>Small</i> , 2012, 8, 2264-2270.	10.0	373
11	Amphiphilic Graphene Composites. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9426-9429.	13.8	325
12	Transparent, Flexible, All-Reduced Graphene Oxide Thin Film Transistors. <i>ACS Nano</i> , 2011, 5, 5038-5044.	14.6	305
13	Surface enhanced Raman scattering of Ag or Au nanoparticle-decorated reduced graphene oxide for detection of aromatic molecules. <i>Chemical Science</i> , 2011, 2, 1817.	7.4	249
14	Reduced Graphene Oxide-Templated Photochemical Synthesis and in situ Assembly of Au Nanodots to Orderly Patterned Au Nanodot Chains. <i>Small</i> , 2010, 6, 513-516.	10.0	202
15	Label-free, electrochemical detection of methicillin-resistant staphylococcus aureus DNA with reduced graphene oxide-modified electrodes. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3881-3886.	10.1	191
16	Real-time DNA detection using Pt nanoparticle-decorated reduced graphene oxide field-effect transistors. <i>Nanoscale</i> , 2012, 4, 293-297.	5.6	185
17	Enhanced Thermopower of Graphene Films with Oxygen Plasma Treatment. <i>ACS Nano</i> , 2011, 5, 2749-2755.	14.6	181
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.	3.1	159

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19	Graphene Oxide-templated Synthesis of Ultrathin or Tadpole-shaped Au Nanowires with Alternating <i>hcp</i> and <i>fcc</i> Domains. <i>Advanced Materials</i> , 2012, 24, 979-983.	21.0	135
20	Enhancement of Photogenerated Electron Transport in Dye-sensitized Solar Cells with Introduction of a Reduced Graphene Oxide-TiO ₂ Junction. <i>Chemistry - A European Journal</i> , 2011, 17, 10832-10837.	3.3	133
21	Synthesis of Fe ₃ O ₄ and Pt nanoparticles on reduced graphene oxide and their use as a recyclable catalyst. <i>Nanoscale</i> , 2012, 4, 2478.	5.6	131
22	Synthesis of Gold Square-like Plates from Ultrathin Gold Square Sheets: The Evolution of Structure Phase and Shape. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12245-12248.	13.8	121
23	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.	6.7	91
24	Chemoselective Photodeoxidization of Graphene Oxide Using Sterically Hindered Amines as Catalyst: Synthesis and Applications. <i>ACS Nano</i> , 2012, 6, 3027-3033.	14.6	82
25	Nanocomposites of Graphene Oxide and Upconversion Rare-Earth Nanocrystals with Superior Optical Limiting Performance. <i>Small</i> , 2012, 8, 2271-2276.	10.0	79
26	Fabrication of nanoelectrode ensembles by electrodeposition of Au nanoparticles on single-layer graphene oxide sheets. <i>Nanoscale</i> , 2012, 4, 2728.	5.6	76
27	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.	5.7	75
28	Mechanism Studies on the Superior Optical Limiting Observed in Graphene Oxide Covalently Functionalized with Upconversion NaYF ₄ :Yb ³⁺ /Er ³⁺ Nanoparticles. <i>Small</i> , 2012, 8, 2163-2168.	10.0	59
29	A Method for Fabrication of Graphene Oxide Nanoribbons from Graphene Oxide Wrinkles. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19119-19122.	3.1	52
30	Nucleation Mechanism of Electrochemical Deposition of Cu on Reduced Graphene Oxide Electrodes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15973-15979.	3.1	50
31	High-density metallic nanogaps fabricated on solid substrates used for surface enhanced Raman scattering. <i>Nanoscale</i> , 2012, 4, 860-863.	5.6	43
32	Assembly of Graphene Oxide and Au _{0.7} Ag _{0.3} Alloy Nanoparticles on SiO ₂ : A New Raman Substrate with Ultrahigh Signal-to-Background Ratio. <i>Journal of Physical Chemistry C</i> , 2011, 115, 24080-24084.	3.1	36
33	Electrochemically "Writing" Graphene from Graphene Oxide. <i>Small</i> , 2014, 10, 3555-3559.	10.0	27
34	Ta ₂ S nanosheet-based room-temperature dosage meter for nitric oxide. <i>APL Materials</i> , 2014, 2, .	5.1	16