

Gang Chen

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

41
papers

2,930
citations

23
h-index

43
g-index

43
ext. papers

3,336
ext. citations

10.1
avg, IF

5.14
L-index

#	Paper	IF	Citations
41	Synthesis of Homogeneous Gold Nanorods through the Optimized Multi-step Seed-Mediated Growth Method. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 13350-13360	3.8	1
40	pH-mediated synthesis of monodisperse gold nanorods with quantitative yield and molecular level insight. <i>Nano Research</i> , 2021 , 14, 1167-1174	10	1
39	Radiative Decay Rate Enhancement and Quenching for Multiple Emitters near a Metal Nanoparticle Surface. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 2531-2536	3.8	2
38	pH Regulated Synthesis of Monodisperse Penta-Twinned Gold Nanoparticles with High Yield. <i>Chemistry of Materials</i> , 2020 , 32, 5626-5633	9.6	8
37	Branched kissing loops for the construction of diverse RNA homooligomeric nanostructures. <i>Nature Chemistry</i> , 2020 , 12, 249-259	17.6	20
36	Ultrasensitive Visual Detection of Glucose in Urine Based on the Iodide-Promoted Etching of Gold Bipyramids. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 49502-49509	9.5	9
35	Regioselective surface encoding of nanoparticles for programmable self-assembly. <i>Nature Materials</i> , 2019 , 18, 169-174	27	94
34	Ambient Electrochemical Ammonia Synthesis with High Selectivity on Fe/Fe Oxide Catalyst. <i>ACS Catalysis</i> , 2018 , 8, 9312-9319	13.1	178
33	Construction of Long Narrow Gaps in Ag Nanoplates. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15560-15563	16.4	66
32	Mo _{0.42} C _{0.58} Nanoparticles Embedded in Nitrogen-Doped Carbon as Electrocatalyst towards Oxygen Reduction Reaction. <i>ChemistrySelect</i> , 2018 , 3, 5106-5112	1.8	9
31	Ambient ammonia synthesis via palladium-catalyzed electrohydrogenation of dinitrogen at low overpotential. <i>Nature Communications</i> , 2018 , 9, 1795	17.4	456
30	Synthesizing topological structures containing RNA. <i>Nature Communications</i> , 2017 , 8, 14936	17.4	18
29	Dual Role of Polyaniline for Achieving Ag Dendrites and Enhancing Its Oxygen Reduction Reaction Catalytic Activity. <i>ChemistrySelect</i> , 2017 , 2, 10300-10303	1.8	13
28	Creating complex molecular topologies by configuring DNA four-way junctions. <i>Nature Chemistry</i> , 2016 , 8, 907-14	17.6	27
27	Bipyramid-templated synthesis of monodisperse anisotropic gold nanocrystals. <i>Nature Communications</i> , 2015 , 6, 7571	17.4	108
26	Enzymatic synthesis of periodic DNA nanoribbons for intracellular pH sensing and gene silencing. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3844-51	16.4	97
25	Chiral transformation: from single nanowire to double helix. <i>Journal of the American Chemical Society</i> , 2011 , 133, 20060-3	16.4	87

24	Toroidal micelles of polystyrene- block -poly(acrylic acid). <i>Small</i> , 2011 , 7, 2721-6	11	54
23	High purity separation of nanoparticle dimers and trimers for SERS hot spots 2010 ,		1
22	Measuring ensemble-averaged surface-enhanced Raman scattering in the hotspots of colloidal nanoparticle dimers and trimers. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3644-5	16.4	354
21	A systems approach towards the stoichiometry-controlled hetero-assembly of nanoparticles. <i>Nature Communications</i> , 2010 , 1, 87	17.4	136
20	Hotspot-induced transformation of surface-enhanced Raman scattering fingerprints. <i>ACS Nano</i> , 2010 , 4, 3087-94	16.7	172
19	Scalable Routes to Janus Au β SiO $_2$ and Ternary Ag β Au β SiO $_2$ Nanoparticles. <i>Chemistry of Materials</i> , 2010 , 22, 3826-3828	9.6	145
18	Mechanistic investigation into the spontaneous linear assembly of gold nanospheres. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 11850-60	3.6	131
17	Fabrication of polymer nanocavities with tailored openings. <i>ACS Nano</i> , 2009 , 3, 3469-74	16.7	85
16	High-purity separation of gold nanoparticle dimers and trimers. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4218-9	16.4	246
15	Fabrication of hydrophobic fluorinated amorphous carbon thin films by an electrochemical route. <i>Electrochemistry Communications</i> , 2008 , 10, 7-11	5.1	29
14	Synthesis of C $_60$ nanoparticle doped hard carbon film by electrodeposition. <i>Carbon</i> , 2008 , 46, 1095-1097	10.4	10
13	Facile synthesis of CNTs-doped diamond-like carbon film by electrodeposition. <i>Surface and Coatings Technology</i> , 2008 , 202, 5943-5946	4.4	17
12	Synthesis and characterization of high voltage electrodeposited phosphorus doped DLC films. <i>Electrochemistry Communications</i> , 2008 , 10, 461-465	5.1	24
11	A novel method for the synthesis of Au nanoparticles incorporated amorphous hydrogenated carbon films. <i>Electrochemistry Communications</i> , 2007 , 9, 1053-1056	5.1	33
10	Synthesis of silicon carbide nitride nanocomposite films by a simple electrochemical method. <i>Electrochemistry Communications</i> , 2006 , 8, 737-740	5.1	34
9	Preparation and characterization of amorphous hydrogenated carbon films containing Au nanoparticles from heat-treatment of polymer precursors. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 81, 197-203	2.6	4
8	Field-emission properties of diamond-like-carbon and nitrogen-doped diamond-like-carbon films prepared by electrochemical deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 81, 41-46	2.6	12
7	Synthesis of diamond-like carbon/nanosilica composite films by an electrochemical method. <i>Electrochemistry Communications</i> , 2004 , 6, 1159-1162	5.1	12

6	Study of structure, tribological properties and growth mechanism of DLC and nitrogen-doped DLC films deposited by electrochemical technique. <i>Applied Surface Science</i> , 2004 , 236, 328-335	6.7	105
5	Polymer-assisted synthesis of aligned amorphous silicon nanowires and their core/shell structures with Au nanoparticles. <i>Chemical Physics Letters</i> , 2004 , 397, 128-132	2.5	1
4	Fabrication of carbon spheres on a-C:H films by heat-treatment of a polymer precursor. <i>Carbon</i> , 2004 , 42, 2769-2771	10.4	20
3	Fabrication of oriented FePt nanoparticles embedded in a carbon film made by pyrolysis of poly(phenylacetylene). <i>Carbon</i> , 2004 , 42, 3021-3024	10.4	2
2	Effect of deposition voltage on the microstructure of electrochemically deposited hydrogenated amorphous carbon films. <i>Carbon</i> , 2004 , 42, 3103-3108	10.4	37
1	Preparation and characterization of electrochemically deposited carbon nitride films on silicon substrate. <i>Journal Physics D: Applied Physics</i> , 2004 , 37, 907-913	3	72