

Qun Huo

List of Publications by Year in descending order

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33
papers

3,337
citations

331670

21
h-index

395702

33
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37
all docs

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docs citations

37
times ranked

5386
citing authors

#	ARTICLE	IF	CITATIONS
1	A One-Step Homogeneous Immunoassay for Cancer Biomarker Detection Using Gold Nanoparticle Probes Coupled with Dynamic Light Scattering. <i>Journal of the American Chemical Society</i> , 2008, 130, 2780-2782.	13.7	642
2	Gold nanoparticle-enabled biological and chemical detection and analysis. <i>Chemical Society Reviews</i> , 2012, 41, 2849-2866.	38.1	633
3	Dynamic Light Scattering as a Powerful Tool for Gold Nanoparticle Bioconjugation and Biomolecular Binding Studies. <i>Analytical Chemistry</i> , 2009, 81, 9425-9432.	6.5	319
4	Dispersion of Pristine Carbon Nanotubes Using Conjugated Block Copolymers. <i>Advanced Materials</i> , 2008, 20, 2055-2060.	21.0	228
5	Techniques for Accurate Sizing of Gold Nanoparticles Using Dynamic Light Scattering with Particular Application to Chemical and Biological Sensing Based on Aggregate Formation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21585-21594.	8.0	193
6	A One-Step Highly Sensitive Method for DNA Detection Using Dynamic Light Scattering. <i>Journal of the American Chemical Society</i> , 2008, 130, 8138-8139.	13.7	181
7	Predicting detection limits of enzyme-linked immunosorbent assay (ELISA) and bioanalytical techniques in general. <i>Analyst</i> , The, 2014, 139, 439-445.	3.5	169
8	Dynamic light scattering for gold nanorod size characterization and study of nanorod-protein interactions. <i>Gold Bulletin</i> , 2012, 45, 187-195.	2.4	133
9	Gold Nanoparticle-Enabled Blood Test for Early Stage Cancer Detection and Risk Assessment. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6819-6827.	8.0	125
10	A General Strategy to Disperse and Functionalize Carbon Nanotubes Using Conjugated Block Copolymers. <i>Advanced Functional Materials</i> , 2009, 19, 479-483.	14.9	88
11	A Functional Nuclear Epidermal Growth Factor Receptor, Src and Stat3 Heteromeric Complex in Pancreatic Cancer Cells. <i>PLoS ONE</i> , 2011, 6, e19605.	2.5	88
12	A washing-free and amplification-free one-step homogeneous assay for protein detection using gold nanoparticle probes and dynamic light scattering. <i>Journal of Immunological Methods</i> , 2009, 349, 38-44.	1.4	84
13	Different Interaction Modes of Biomolecules with Citrate-Capped Gold Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21184-21192.	8.0	67
14	A Facile Nanoparticle Immunoassay for Cancer Biomarker Discovery. <i>Journal of Nanobiotechnology</i> , 2011, 9, 20.	9.1	55
15	Monofunctional gold nanoparticles: synthesis and applications. <i>Journal of Nanoparticle Research</i> , 2007, 9, 1013-1025.	1.9	48
16	Developing a nanoparticle test for prostate cancer scoring. <i>Journal of Translational Medicine</i> , 2012, 10, 44.	4.4	40
17	Protein complexes/aggregates as potential cancer biomarkers revealed by a nanoparticle aggregation immunoassay. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 78, 259-265.	5.0	38
18	A label-free nanoparticle aggregation assay for protein complex/aggregate detection and study. <i>Analytical Biochemistry</i> , 2010, 405, 96-102.	2.4	33

#	ARTICLE	IF	CITATIONS
19	Inhibition of Cholera Toxin and Other AB Toxins by Polyphenolic Compounds. PLoS ONE, 2016, 11, e0166477.	2.5	32
20	A simple and fast method to study the hydrodynamic size difference of protein disulfide isomerase in oxidized and reduced form using gold nanoparticles and dynamic light scattering. Analyst, The, 2016, 141, 934-938.	3.5	28
21	A Rapid Blood Test To Determine the Active Status and Duration of Acute Viral Infection. ACS Infectious Diseases, 2017, 3, 866-873.	3.8	26
22	TRANSPARENT CARBON NANOTUBE/POLY (3, 4-ETHYLENEDIOXYTHIOPHENE) COMPOSITE ELECTRICAL CONDUCTORS. Soft Materials, 2009, 7, 355-365.	1.7	16
23	Beach sand from Cancun Mexico: a natural macro- and mesoporous material. Journal of Materials Science, 2007, 42, 6018-6026.	3.7	13
24	A Single-Step Gold Nanoparticle-Blood Serum Interaction Assay Reveals Humoral Immunity Development and Immune Status of Animals from Neonates to Adults. ACS Infectious Diseases, 2019, 5, 228-238.	3.8	13
25	Cysteine-grafted chitosan-mediated gold nanoparticle assembly: from nanochains to microcubes. Journal of Materials Chemistry, 2009, , .	6.7	8
26	A nanoparticle pseudo pathogen for rapid detection and diagnosis of virus infection. Sensors International, 2020, 1, 100010.	8.4	8
27	Dynamic Light Scattering Coupled with Gold Nanoparticle Probes as a Powerful Sensing Technique for Chemical and Biological Target Detection. ACS Symposium Series, 2015, , 157-179.	0.5	6
28	Linear self-assembly formation between gold nanoparticles and aminoglycoside antibiotics. Colloids and Surfaces B: Biointerfaces, 2018, 164, 185-191.	5.0	6
29	A rapid blood test to monitor immunity shift during pregnancy and potential application for animal health management. Sensors International, 2020, 1, 100009.	8.4	6
30	Smooth surface roughness of silanized CdSe(ZnS) quantum dots. Journal of Colloid and Interface Science, 2013, 393, 21-28.	9.4	4
31	Controlled Chemical Functionalization of Gold Nanoparticles. ACS Symposium Series, 2008, , 31-40.	0.5	2
32	A rapid blood test to monitor the immune status change of dairy cows and to evaluate their disease risk during the periparturient period. Sensors International, 2021, 2, 100078.	8.4	2
33	A 1-minute blood test detects decreased immune function and increased clinical risk in COVID-19 patients. Scientific Reports, 2021, 11, 23491.	3.3	2