Guoliang Liu

List of Publications by Year in Descending Order

27 papers	668 citations	14 h-index	25 g-index
27 ext. papers	740 ext. citations	5.7 avg, IF	3.97 L-index

#	Paper	IF	Citations
27	Target-Activating and Toehold Displacement Ag NCs/GO Biosensor-Mediating Signal Shift and Enhancement for Simultaneous Multiple Detection. *Analytical Chemistry*, **2021**, 93, 16025-16034	7.8	1
26	Dual-Channel Logic Gates Operating on the Chemopalette ssDNA-Ag NCs/GO Nanocomposites. *Analytical Chemistry*, **2021**, 93, 8326-8335	7.8	6
25	A logic gate for fluoride anion detection based on carbon dots/gold nanoparticles. *Microchemical Journal*, **2020**, 157, 104977	4.8	8
24	Construction of FRET biosensor for off-on detection of lead ions based on carbon dots and gold nanorods. *Talanta*, **2019**, 201, 90-95	6.2	15
23	Target-activatable gold nanoparticle-based aptasensing for protein biomarkers using stimuli-responsive aggregation. *Talanta*, **2019**, 192, 112-117	6.2	10
22	Phosphodiesters quaternary ammonium nanoparticles as label-free light scattering probe for turn-off detection of tyrosine. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 208, 1-6	4.4	2
21	Silver Nanoclusters Beacon as Stimuli-Responsive Versatile Platform for Multiplex DNAs Detection and Aptamer-Substrate Complexes Sensing. *Analytical Chemistry*, **2017**, 89, 1002-1008	7.8	81
20	Fluorescence Enhancement of Terminal Amine Assembled on Gold Nanoclusters and Its Application to Ratiometric Lysine Detection. *Langmuir*, **2017**, 33, 14643-14648	4	26
19	Dual-modal fluorescence and light-scattering sensor based on water-soluble carbon dots for silver ions detection. *Analytical Methods*, **2017**, 9, 5611-5617	3.2	11
18	In-situ hydrothermal synthesis of molecularly imprinted polymers coated carbon dots for fluorescent detection of bisphenol A. *Sensors and Actuators B: Chemical*, **2016**, 228, 302-307	8.5	92
17	A fluorescent switch sensor for detection of anticancer drug and ctDNA based on the glutathione stabilized gold nanoclusters. *Sensors and Actuators B: Chemical*, **2016**, 232, 276-282	8.5	33
16	Dual-modal light scattering and fluorometric detection of lead ion by stimuli-responsive aggregation of BSA-stabilized copper nanoclusters. *RSC Advances*, **2016**, 6, 96729-96734	3.7	11
15	A label-free fluorescent biosensor for determination of bovine serum albumin and calf thymus DNA based on gold nanorods coated with acridine orange-loaded mesoporous silica. *Sensors and Actuators B: Chemical*, **2015**, 220, 302-308	8.5	25
14	A novel resonance light scattering sensing for glucose based on the conversion of gold nanoclusters into gold nanoparticles. *Sensors and Actuators B: Chemical*, **2015**, 219, 133-138	8.5	16
13	A novel biosensor for copper(ii) ions based on turn-on resonance light scattering of ssDNA templated silver nanoclusters. *Journal of Materials Chemistry B*, **2015**, 3, 2083-2088	7.3	20
12	An anti-galvanic replacement reaction of DNA templated silver nanoclusters monitored by the light-scattering technique. *Chemical Communications*, **2013**, 49, 7941-3	5.8	26
11	A new light-scattering sensor for screening G-quadruplex stabilizers based on DNA-folding-mediated assembly of gold nanoparticles. *Journal of Materials Chemistry B*, **2013**, 1, 3057-3063	7.3	10

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10	DNA-functionalized silver nanoclusters as a chemopalette: tunable fluorescence for turn-on detection of cysteine. *Journal of Materials Chemistry B*, **2013**, 1, 2128-2131	7.3	40
9	An assay of DNA by resonance light scattering technique and its application in screening anticancer drugs. *Analytical Methods*, **2012**, 4, 1546-1551	3.2	13
8	DNA-templated formation of silver nanoclusters as a novel light-scattering sensor for label-free copper ions detection. *Journal of Materials Chemistry*, **2012**, 22, 20885		37
7	Highly sensitive determination of doxorubicin and daunorubicin based on their effect on the resonance light scattering signals of the ethidium-DNA complex. *Mikrochimica Acta*, **2011**, 175, 217-223	5.8	13
6	A highly selective and sensitive on-off sensor for silver ions and cysteine by light scattering technique of DNA-functionalized gold nanoparticles. *Chemical Communications*, **2011**, 47, 8557-9	5.8	75
5	An instrument-based screening assay for DNA-targeted anticancer drugs using resonance light scattering. *Combinatorial Chemistry and High Throughput Screening*, **2010**, 13, 383-92	1.3	2
4	Determination of nanograms of proteins based on decreased resonance light scattering of zwitterionic gemini surfactant. *Analytical Biochemistry*, **2009**, 384, 337-42	3.1	54
3	Screen anticancer drug in vitro using resonance light scattering technique. *Talanta*, **2009**, 77, 1365-9	6.2	32
2	High-sensitivity detection of polysaccharide using phosphodiesters quaternary ammonium salt as probe by decreased resonance light scattering. *Talanta*, **2009**, 79, 171-6	6.2	8
1	Determination of antibacterial ofloxacin in human serum samples by a resonance light scattering technique with alizarin violet 3B. *Analytical Sciences*, **2009**, 25, 891-6	1.7	1