

Yuan Guo

List of Publications by Year in Descending Order

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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.

31
papers

1,506
citations

17
h-index

34
g-index

34
ext. papers

1,663
ext. citations

7.4
avg, IF

3.96
L-index

#	Paper	IF	Citations
31	Controlling the pyridinium-zwitterionic ligand ratio on atomically precise gold nanoclusters allowing for eradicating Gram-positive drug-resistant bacteria and retaining biocompatibility. <i>Chemical Science</i> , 2021 , 12, 14871-14882	9.4	4
30	Aptamer-Target-Gold Nanoparticle Conjugates for the Quantification of Fumonisin B1. <i>Biosensors</i> , 2021 , 11,	5.9	4
29	A versatile cholera toxin conjugate for neuronal targeting and tracing. <i>Chemical Communications</i> , 2020 , 56, 6098-6101	5.8	3
28	Photon induced quantum yield regeneration of cap-exchanged CdSe/CdS quantum rods for ratiometric biosensing and cellular imaging. <i>Nanoscale</i> , 2020 , 12, 8647-8655	7.7	4
27	Polyvalent Glycan-Quantum Dots as Multifunctional Structural Probes for Multivalent Lectin-Carbohydrate Interactions. <i>ACS Symposium Series</i> , 2020 , 47-66	0.4	1
26	Glycan-Gold Nanoparticles as Multifunctional Probes for Multivalent Lectin-Carbohydrate Binding: Implications for Blocking Virus Infection and Nanoparticle Assembly. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18022-18034	16.4	20
25	Combining magnetic nanoparticle capture and poly-enzyme nanobead amplification for ultrasensitive detection and discrimination of DNA single nucleotide polymorphisms. <i>Nanoscale</i> , 2019 , 11, 1195-1204	7.7	16
24	Probing Multivalent Protein-Carbohydrate Interactions by Quantum Dot-Förster Resonance Energy Transfer. <i>Methods in Enzymology</i> , 2018 , 598, 71-100	1.7	3
23	Ultraefficient Cap-Exchange Protocol To Compact Biofunctional Quantum Dots for Sensitive Ratiometric Biosensing and Cell Imaging. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15232-15244	9.5	28
22	Dissecting Multivalent Lectin-Carbohydrate Recognition Using Polyvalent Multifunctional Glycan-Quantum Dots. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11833-11844	16.4	41
21	Compact, Polyvalent Mannose Quantum Dots as Sensitive, Ratiometric FRET Probes for Multivalent Protein-Ligand Interactions. <i>Angewandte Chemie</i> , 2016 , 128, 4816-4820	3.6	5
20	Compact, Polyvalent Mannose Quantum Dots as Sensitive, Ratiometric FRET Probes for Multivalent Protein-Ligand Interactions. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4738-42	16.4	45
19	HCl-Retarded Gold Nanorod Growth for Aspect Ratio and Shape Tuning. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 1194-201	1.3	3
18	Reaktitelbild: Compact, Polyvalent Mannose Quantum Dots as Sensitive, Ratiometric FRET Probes for Multivalent Protein-Ligand Interactions (Angew. Chem. 15/2016). <i>Angewandte Chemie</i> , 2016 , 128, 4920-4920	3.6	
17	Highly Fluorescent Ribonuclease-A-Encapsulated Lead Sulfide Quantum Dots for Ultrasensitive Fluorescence Imaging in the Second Near-Infrared Window. <i>Chemistry of Materials</i> , 2016 , 28, 3041-3050	9.6	100
16	Terminal PEGylated DNA-Gold Nanoparticle Conjugates Offering High Resistance to Nuclease Degradation and Efficient Intracellular Delivery of DNA Binding Agents. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18707-16	9.5	30
15	Nano-enabled bioanalytical approaches to ultrasensitive detection of low abundance single nucleotide polymorphisms. <i>Analyst, The</i> , 2015 , 140, 3872-87	5	12

14	Intracellularly Degradable, Self-Assembled Amphiphilic Block Copolycurcumin Nanoparticles for Efficient In Vivo Cancer Chemotherapy. <i>Advanced Healthcare Materials</i> , 2015 , 4, 1496-501, 1423	10.1	28
13	Self-assembled micelles of amphiphilic PEGylated rapamycin for loading paclitaxel and resisting multidrug resistant cancer cells. Electronic supplementary information (ESI) available: Chemicals and reagents, detailed experimental procedures for materials synthesis, characterization, cellular evaluations and supporting figures and tables. See DOI: 10.1039/c4tb01633e. Click here for	7.3	25
12	Controlled synthesis of monodisperse gold nanorods with different aspect ratios in the presence of aromatic additives. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	5
11	Robust and specific ratiometric biosensing using a copper-free clicked quantum dot-DNA aptamer sensor. <i>Nanoscale</i> , 2013 , 5, 10307-15	7.7	39
10	Sensitive, simultaneous quantitation of two unlabeled DNA targets using a magnetic nanoparticle-enzyme sandwich assay. <i>Analytical Chemistry</i> , 2013 , 85, 9238-44	7.8	30
9	Ultrasensitive single-nucleotide polymorphism detection using target-recycled ligation, strand displacement and enzymatic amplification. <i>Nanoscale</i> , 2013 , 5, 5027-35	7.7	44
8	Widely divergent biochemical properties of the complete set of mouse DC-SIGN-related proteins. <i>Journal of Biological Chemistry</i> , 2006 , 281, 20440-9	5.4	132
7	All but the shortest polymorphic forms of the viral receptor DC-SIGNR assemble into stable homo- and heterotetramers. <i>Journal of Biological Chemistry</i> , 2006 , 281, 16794-8	5.4	16
6	Extended neck regions stabilize tetramers of the receptors DC-SIGN and DC-SIGNR. <i>Journal of Biological Chemistry</i> , 2005 , 280, 1327-35	5.4	139
5	Structural basis for distinct ligand-binding and targeting properties of the receptors DC-SIGN and DC-SIGNR. <i>Nature Structural and Molecular Biology</i> , 2004 , 11, 591-8	17.6	475
4	A role for the middle C terminus of G-protein-activated inward rectifier potassium channels in regulating gating. <i>Journal of Biological Chemistry</i> , 2002 , 277, 48289-94	5.4	14
3	Stabilization of short collagen-like triple helices by protein engineering. <i>Journal of Molecular Biology</i> , 2001 , 308, 1081-9	6.5	157
2	The unusually stable coiled-coil domain of COMP exhibits cold and heat denaturation in 4-6 M guanidinium chloride. <i>Biophysical Chemistry</i> , 2000 , 85, 179-86	3.5	22
1	All-trans retinol, vitamin D and other hydrophobic compounds bind in the axial pore of the five-stranded coiled-coil domain of cartilage oligomeric matrix protein. <i>EMBO Journal</i> , 1998 , 17, 5265-72 ¹³		61