

# Yuan Guo

## List of Publications by Citations

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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	Structural basis for distinct ligand-binding and targeting properties of the receptors DC-SIGN and DC-SIGNR. <i>Nature Structural and Molecular Biology</i> , <b>2004</b> , 11, 591-8	17.6	475
30	Stabilization of short collagen-like triple helices by protein engineering. <i>Journal of Molecular Biology</i> , <b>2001</b> , 308, 1081-9	6.5	157
29	Extended neck regions stabilize tetramers of the receptors DC-SIGN and DC-SIGNR. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 1327-35	5.4	139
28	Widely divergent biochemical properties of the complete set of mouse DC-SIGN-related proteins. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 20440-9	5.4	132
27	Highly Fluorescent Ribonuclease-A-Encapsulated Lead Sulfide Quantum Dots for Ultrasensitive Fluorescence Imaging in the Second Near-Infrared Window. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 3041-3050	9.6	100
26	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> , <b>1998</b> , 17, 5265-72 <sup>13</sup>		61
25	Compact, Polyvalent Mannose Quantum Dots as Sensitive, Ratiometric FRET Probes for Multivalent Protein-Ligand Interactions. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 4738-42	16.4	45
24	Ultrasensitive single-nucleotide polymorphism detection using target-recycled ligation, strand displacement and enzymatic amplification. <i>Nanoscale</i> , <b>2013</b> , 5, 5027-35	7.7	44
23	Dissecting Multivalent Lectin-Carbohydrate Recognition Using Polyvalent Multifunctional Glycan-Quantum Dots. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 11833-11844	16.4	41
22	Robust and specific ratiometric biosensing using a copper-free clicked quantum dot-DNA aptamer sensor. <i>Nanoscale</i> , <b>2013</b> , 5, 10307-15	7.7	39
21	Terminal PEGylated DNA-Gold Nanoparticle Conjugates Offering High Resistance to Nuclease Degradation and Efficient Intracellular Delivery of DNA Binding Agents. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 18707-16	9.5	30
20	Sensitive, simultaneous quantitation of two unlabeled DNA targets using a magnetic nanoparticle-enzyme sandwich assay. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 9238-44	7.8	30
19	Ultraefficient Cap-Exchange Protocol To Compact Biofunctional Quantum Dots for Sensitive Ratiometric Biosensing and Cell Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 15232-15244	9.5	28
18	Intracellularly Degradable, Self-Assembled Amphiphilic Block Copolycurcumin Nanoparticles for Efficient In Vivo Cancer Chemotherapy. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 1496-501, 1423	10.1	28
17	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 uptake and cytotoxicity. See DOI: 10.1039/C4TB01632G	7.3	25
16	The unusually stable coiled-coil domain of COMP exhibits cold and heat denaturation in 4-6 M guanidinium chloride. <i>Biophysical Chemistry</i> , <b>2000</b> , 85, 179-86	3.5	22
15	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> , <b>2020</b> , 142, 18022-18034	16.4	20

14	Combining magnetic nanoparticle capture and poly-enzyme nanobead amplification for ultrasensitive detection and discrimination of DNA single nucleotide polymorphisms. <i>Nanoscale</i> , <b>2019</b> , 11, 1195-1204	7.7	16
13	All but the shortest polymorphic forms of the viral receptor DC-SIGNR assemble into stable homo- and heterotetramers. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 16794-8	5.4	16
12	A role for the middle C terminus of G-protein-activated inward rectifier potassium channels in regulating gating. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 48289-94	5.4	14
11	Nano-enabled bioanalytical approaches to ultrasensitive detection of low abundance single nucleotide polymorphisms. <i>Analyst, The</i> , <b>2015</b> , 140, 3872-87	5	12
10	Compact, Polyvalent Mannose Quantum Dots as Sensitive, Ratiometric FRET Probes for Multivalent Protein-Ligand Interactions. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 4816-4820	3.6	5
9	Controlled synthesis of monodisperse gold nanorods with different aspect ratios in the presence of aromatic additives. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	5
8	Photon induced quantum yield regeneration of cap-exchanged CdSe/CdS quantum rods for ratiometric biosensing and cellular imaging. <i>Nanoscale</i> , <b>2020</b> , 12, 8647-8655	7.7	4
7	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> , <b>2021</b> , 12, 14871-14882	9.4	4
6	Aptamer-Target-Gold Nanoparticle Conjugates for the Quantification of Fumonisin B1. <i>Biosensors</i> , <b>2021</b> , 11,	5.9	4
5	A versatile cholera toxin conjugate for neuronal targeting and tracing. <i>Chemical Communications</i> , <b>2020</b> , 56, 6098-6101	5.8	3
4	HCl-Retarded Gold Nanorod Growth for Aspect Ratio and Shape Tuning. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 1194-201	1.3	3
3	Probing Multivalent Protein-Carbohydrate Interactions by Quantum Dot-Förster Resonance Energy Transfer. <i>Methods in Enzymology</i> , <b>2018</b> , 598, 71-100	1.7	3
2	Polyvalent Glycan-Quantum Dots as Multifunctional Structural Probes for Multivalent Lectin-Carbohydrate Interactions. <i>ACS Symposium Series</i> , <b>2020</b> , 47-66	0.4	1
1	Rücktitelbild: Compact, Polyvalent Mannose Quantum Dots as Sensitive, Ratiometric FRET Probes for Multivalent Protein-Ligand Interactions (Angew. Chem. 15/2016). <i>Angewandte Chemie</i> , <b>2016</b> , 128, 4920-4920	3.6	