

Single-molecule detection of DNA via sequence-specific gold nanorod sensors

Lab on A Chip

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Optically Responsive Gold Nanorod-Polypeptide Assemblies. <i>Langmuir</i> , 2008, 24, 14139-14144.	3.5	55
2	Simultaneous Enhancement of Photothermal Stability and Gene Delivery Efficacy of Gold Nanorods Using Polyelectrolytes. <i>ACS Nano</i> , 2009, 3, 2941-2952.	14.6	158
3	Gold Nanorods: From Synthesis and Properties to Biological and Biomedical Applications. <i>Advanced Materials</i> , 2009, 21, 4880-4910.	21.0	1,666
4	Recent Advances in Nanotechnology Applied to Biosensors. <i>Sensors</i> , 2009, 9, 1033-1053.	3.8	310
6	Recent advances in analytical and bioanalysis applications of noble metal nanorods. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 2451-2469.	3.7	55
7	Location-Dependent Local Field Enhancement Along the Surface of the Metal-Dielectric Core-Shell Nanostructure. <i>Plasmonics</i> , 2010, 5, 311-318.	3.4	9
8	Biomolecular Nano-Flow-Sensor to Measure Near-Surface Flow. <i>Nanoscale Research Letters</i> , 2010, 5, 296-301.	5.7	0
9	Biomolecular motors at the intersection of nanotechnology and polymer science. <i>Progress in Polymer Science</i> , 2010, 35, 252-277.	24.7	138
10	Nanowire-Based Sensors. <i>Small</i> , 2010, 6, 1705-1722.	10.0	334
11	Opportunities and limits of cell-based assay miniaturization in drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2010, 5, 673-679.	5.0	3
12	Motion-based DNA detection using catalytic nanomotors. <i>Nature Communications</i> , 2010, 1, 36.	12.8	276
13	Spatiotemporal Temperature Distribution and Cancer Cell Death in Response to Extracellular Hyperthermia Induced by Gold Nanorods. <i>ACS Nano</i> , 2010, 4, 2892-2900.	14.6	191
14	FoF1-ATPase activity regulated by external links on \hat{F}_1 subunits. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 182-186.	2.1	8
15	FoF1-ATPase, rotary motor and biosensor. <i>Nanoscale</i> , 2010, 2, 1284.	5.6	13
16	Gold nanorods-based FRET assay for ultrasensitive detection of Hg ²⁺ . <i>Chemical Communications</i> , 2011, 47, 12500.	4.1	48
17	Precise Placement of Gold Nanorods by Capillary Assembly. <i>Langmuir</i> , 2011, 27, 6305-6310.	3.5	54
18	Biological applications of gold nanorods. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2011, 3, 100-109.	6.1	87
19	Colorimetric assay of lead using unmodified gold nanorods. <i>Gold Bulletin</i> , 2012, 45, 137-143.	2.4	8

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20	Functional Gold Nanorods: Synthesis, Self-Assembly, and Sensing Applications. Advanced Materials, 2012, 24, 4811-4841.	21.0	695
21	Plasmonic Behavior of Single Gold Dumbbells and Simple Dumbbell Geometries. Journal of Physical Chemistry C, 2013, 117, 16195-16202.	3.1	13
22	Single Particle Orientation and Rotational Tracking (SPORT) in biophysical studies. Nanoscale, 2013, 5, 10753.	5.6	30
23	Single Cell Optical Imaging and Spectroscopy. Chemical Reviews, 2013, 113, 2469-2527.	47.7	250
24	Biomolecular motors in nanoscale materials, devices, and systems. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2014, 6, 163-177.	6.1	35
25	Anisotropic Gold Nanoparticles: Preparation, Properties, and Applications. Nanoscience and Technology, 2015, , 69-118.	1.5	4
26	A review on emerging diagnostic assay for viral detection: the case of avian influenza virus. Molecular Biology Reports, 2015, 42, 187-199.	2.3	33
27	Hydrodynamic confinement and capillary alignment of gold nanorods. Nanotechnology, 2016, 27, 025301.	2.6	8
28	Embedding Perovskite Nanocrystals into a Polymer Matrix for Tunable Luminescence Probes in Cell Imaging. Advanced Functional Materials, 2017, 27, 1604382.	14.9	328
29	Optical Asymmetry and Nonlinear Light Scattering from Colloidal Gold Nanorods. ACS Nano, 2017, 11, 5925-5932.	14.6	23
30	Reconstitution of Motor Protein ATPase. , 2017, , 237-258.		1
31	Reconstitution of FoF1-ATPase-based biomimetic systems. Nature Reviews Chemistry, 2019, 3, 361-374.	30.2	39
32	Reconstitution of Motor Proteins through Molecular Assembly. Chinese Journal of Chemistry, 2020, 38, 123-129.	4.9	15
34	Gold Nanorods. , 2015, , 1-16.		1
36	F1FO ATP synthase molecular motor mechanisms. Frontiers in Microbiology, 0, 13, .	3.5	13