

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.	1.6	55
2	Simultaneous Enhancement of Photothermal Stability and Gene Delivery Efficacy of Gold Nanorods Using Polyelectrolytes. <i>ACS Nano</i> , 2009, 3, 2941-2952.	7.3	158
3	Gold Nanorods: From Synthesis and Properties to Biological and Biomedical Applications. <i>Advanced Materials</i> , 2009, 21, 4880-4910.	11.1	1,666
4	Recent Advances in Nanotechnology Applied to Biosensors. <i>Sensors</i> , 2009, 9, 1033-1053.	2.1	310
6	Recent advances in analytical and bioanalysis applications of noble metal nanorods. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 2451-2469.	1.9	55
7	Location-Dependent Local Field Enhancement Along the Surface of the Metal~Dielectric Core~Shell Nanostructure. <i>Plasmonics</i> , 2010, 5, 311-318.	1.8	9
8	Biomolecular Nano-Flow-Sensor to Measure Near-Surface Flow. <i>Nanoscale Research Letters</i> , 2010, 5, 296-301.	3.1	0
9	Biomolecular motors at the intersection of nanotechnology and polymer science. <i>Progress in Polymer Science</i> , 2010, 35, 252-277.	11.8	138
10	Nanowire~Based Sensors. <i>Small</i> , 2010, 6, 1705-1722.	5.2	334
11	Opportunities and limits of cell-based assay miniaturization in drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2010, 5, 673-679.	2.5	3
12	Motion-based DNA detection using catalytic nanomotors. <i>Nature Communications</i> , 2010, 1, 36.	5.8	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.	7.3	191
14	FoF1-ATPase activity regulated by external links on $\hat{1}^2$ subunits. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 182-186.	1.0	8
15	FoF1-ATPase, rotary motor and biosensor. <i>Nanoscale</i> , 2010, 2, 1284.	2.8	13
16	Gold nanorods-based FRET assay for ultrasensitive detection of Hg ²⁺ . <i>Chemical Communications</i> , 2011, 47, 12500.	2.2	48
17	Precise Placement of Gold Nanorods by Capillary Assembly. <i>Langmuir</i> , 2011, 27, 6305-6310.	1.6	54
18	Biological applications of gold nanorods. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2011, 3, 100-109.	3.3	87
19	Colorimetric assay of lead using unmodified gold nanorods. <i>Gold Bulletin</i> , 2012, 45, 137-143.	1.1	8

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20	Functional Gold Nanorods: Synthesis, Self-Assembly, and Sensing Applications. <i>Advanced Materials</i> , 2012, 24, 4811-4841.	11.1	695
21	Plasmonic Behavior of Single Gold Dumbbells and Simple Dumbbell Geometries. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16195-16202.	1.5	13
22	Single Particle Orientation and Rotational Tracking (SPORT) in biophysical studies. <i>Nanoscale</i> , 2013, 5, 10753.	2.8	30
23	Single Cell Optical Imaging and Spectroscopy. <i>Chemical Reviews</i> , 2013, 113, 2469-2527.	23.0	250
24	Biomolecular motors in nanoscale materials, devices, and systems. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2014, 6, 163-177.	3.3	35
25	Anisotropic Gold Nanoparticles: Preparation, Properties, and Applications. <i>Nanoscience and Technology</i> , 2015, , 69-118.	1.5	4
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28	Embedding Perovskite Nanocrystals into a Polymer Matrix for Tunable Luminescence Probes in Cell Imaging. <i>Advanced Functional Materials</i> , 2017, 27, 1604382.	7.8	328
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30	Reconstitution of Motor Protein ATPase. , 2017, , 237-258.		1
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32	Reconstitution of Motor Proteins through Molecular Assembly. <i>Chinese Journal of Chemistry</i> , 2020, 38, 123-129.	2.6	15
34	Gold Nanorods. , 2015, , 1-16.		1
36	F1FO ATP synthase molecular motor mechanisms. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	13