

CITATION REPORT

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Ultrasensitive detection of DNA molecules with high on/off single-walled carbon nanotube network

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#	Paper	IF	Citations
39	Mobility Enhancement in Carbon Nanotube Transistors by Screening Charge Impurity with Silica Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 6975-6979	3.8	14
38	Scalable complementary logic gates with chemically doped semiconducting carbon nanotube transistors. <i>ACS Nano</i> , 2011 , 5, 2369-75	16.7	78
37	Formation of single-walled carbon nanotube thin films enriched with semiconducting nanotubes and their application in photoelectrochemical devices. <i>Nanoscale</i> , 2011 , 3, 1845-9	7.7	16
36	A carbon nanotube-based high-sensitivity electrochemical immunosensor for rapid and portable detection of clenbuterol. <i>Biosensors and Bioelectronics</i> , 2011 , 28, 308-13	11.8	86
35	DNA-SWNT hybrid hydrogel. <i>Chemical Communications</i> , 2011 , 47, 5545-7	5.8	70
34	Organic electrochemical transistors integrated in flexible microfluidic systems and used for label-free DNA sensing. <i>Advanced Materials</i> , 2011 , 23, 4035-40	24	239
33	Electrical properties of carbon nanotube thin-film transistors fabricated using plasma-enhanced chemical vapor deposition measured by scanning probe microscopy. <i>Nanotechnology</i> , 2011 , 22, 195202	3.4	8
32	Inkjet Printing of Carbon Nanotube Complementary Inverters. <i>Applied Physics Express</i> , 2011 , 4, 105101	2.4	15
31	Inkjet printing of single-walled carbon nanotube thin-film transistors patterned by surface modification. <i>Applied Physics Letters</i> , 2011 , 99, 183106	3.4	36
30	Thermally and Environmentally Stable Carrier Doping Using a Solution Method in Carbon Nanotube Films. <i>Applied Physics Express</i> , 2011 , 4, 085102	2.4	6
29	Applications and Nanotoxicity of Carbon Nanotubes and Graphene in Biomedicine. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-19	3.2	103
28	Photophysical Properties of SWNT Interfaced with DNA. 2012 , 89-163		4
27	Electrical probing of submicroliter liquid using graphene strip transistors built on a nanopipette. <i>Small</i> , 2012 , 8, 43-6	11	31
26	High-performance inkjet printed carbon nanotube thin film transistors with high-k HfO ₂ dielectric on plastic substrate. <i>Small</i> , 2012 , 8, 2941-7	11	25
25	Efficient reduction of graphene oxide catalyzed by copper. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 3083-8	3.6	11
24	Diameter Refinement of Semiconducting Arc Discharge Single-Walled Carbon Nanotubes via Density Gradient Ultracentrifugation. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 2805-2810	6.4	41
23	Label-free detection of DNA hybridization using transistors based on CVD grown graphene. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 103-9	11.8	155

22	Single-walled carbon nanotube field-effect transistors with graphene oxide passivation for fast, sensitive, and selective protein detection. <i>Biosensors and Bioelectronics</i> , 2013 , 42, 186-92	11.8	34
21	Inkjet printing of aligned single-walled carbon-nanotube thin films. <i>Applied Physics Letters</i> , 2013 , 102, 143107	3.4	23
20	Strategies for enhancing the analytical performance of nanomaterial-based sensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 47, 27-36	14.6	88
19	Inkjet Printing of Carbon Nanotubes. <i>Nanomaterials</i> , 2013 , 3, 453-468	5.4	118
18	Effect of channel length on the electrical response of carbon nanotube field-effect transistors to deoxyribonucleic acid hybridization. <i>Beilstein Journal of Nanotechnology</i> , 2014 , 5, 2081-91	3	6
17	Conjugation of Graphene Oxide with DNA-Modified Gold Nanoparticles to Develop a Novel Colorimetric Sensing Platform. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 201-208	3.1	29
16	DNA molecules site-specific immobilization and their applications. <i>Open Chemistry</i> , 2014 , 12, 977-993	1.6	3
15	Biological Application of Carbon Nanotubes and Graphene. 2014 , 279-312		8
14	Enhancing lung cancer diagnosis: electrochemical simultaneous bioanalyte immunosensing using carbon nanotubes-chitosan nanocomposite. <i>Applied Biochemistry and Biotechnology</i> , 2014 , 174, 1188-200	3.2	33
13	Polymer-Decorated Carbon Nanotubes as Transducers for Label-Free Photonic Biosensors. <i>Chemistry - A European Journal</i> , 2015 , 21, 18649-53	4.8	4
12	Label-Free DNA Sensors Based on Field-Effect Transistors with Semiconductor of Carbon Materials. <i>Chinese Journal of Chemistry</i> , 2015 , 33, 828-841	4.9	5
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5	Highly sensitive, selective and label-free protein detection in physiological solutions using carbon nanotube transistors with nanobody receptors. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 1507-1516	8.5	36

4	Fabrication of an Impedimetric Immunosensor for Screening and Determination of Vincristine in Biological Samples. <i>Journal of Analytical Chemistry</i> , 2020 , 75, 1094-1101	1.1	0
3	Continuous Electron Doping of Single-Walled Carbon Nanotube Films Using Inkjet Technique. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 06FD18	1.4	1
2	Combinatorial therapy using RNAi and curcumin nano-architectures regresses tumors in breast and colon cancer models.. <i>Nanoscale</i> , 2021 ,	7.7	2
1	The Relevant Approaches for Aligning Carbon Nanotubes. 2022 , 13, 1863		0