

Chemical and biological sensors based on metal oxide n

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Hierarchical Cu@Co/Ni nanostructures electrodeposited on carbon nanofiber modified glassy carbon electrode: application to glucose detection. <i>Analytical Methods</i> , 2013, 5, 6360.	2.7	42
3	Alumina decorated TiO ₂ nanotubes with ordered mesoporous walls as high sensitivity NO _x gas sensors at room temperature. <i>Nanoscale</i> , 2013, 5, 8569.	5.6	94
4	Eu-doped γ -Fe ₂ O ₃ nanoparticles with modified magnetic properties. <i>Journal of Solid State Chemistry</i> , 2013, 201, 302-311.	2.9	39
5	Wide Linear-Range Detecting Nonenzymatic Glucose Biosensor Based on CuO Nanoparticles Inkjet-Printed on Electrodes. <i>Analytical Chemistry</i> , 2013, 85, 10448-10454.	6.5	180
6	A comprehensive in vitro and in vivo study of ZnO nanoparticles toxicity. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2985.	5.8	103
7	ZnO nanostructures directly grown on paper and bacterial cellulose substrates without any surface modification layer. <i>Chemical Communications</i> , 2013, 49, 8096.	4.1	52
8	Materials-Based Receptors: Design Principle and Applications. <i>Chemistry - A European Journal</i> , 2013, 19, 6914-6936.	3.3	19
9	Cerium oxide-triggered "one-to-many" catalytic cycling strategy for in situ amplified electronic signal of low-abundance protein. <i>Analyst</i> , 2013, 138, 4327.	3.5	10
10	Spruce branched γ -Fe ₂ O ₃ nanostructures as potential scaffolds for a highly sensitive and selective glucose biosensor. <i>New Journal of Chemistry</i> , 2014, 38, 5873-5879.	2.8	23
11	Carboxyl-directed hydrothermal synthesis of WO ₃ nanostructures and their morphology-dependent gas-sensing properties. <i>CrystEngComm</i> , 2014, 16, 10210-10217.	2.6	47
12	High performance cholesterol sensor based on ZnO nanotubes grown on Si/Ag electrodes. <i>Electrochemistry Communications</i> , 2014, 38, 4-7.	4.7	77
13	Polythiophene-WO ₃ hybrid architectures for low-temperature H ₂ S detection. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 142-148.	7.8	111
14	A review of recent advances in nonenzymatic glucose sensors. <i>Materials Science and Engineering C</i> , 2014, 41, 100-118.	7.3	469
15	Dispersed CuO Nanoparticles on a Silicon Nanowire for Improved Performance of Nonenzymatic H ₂ O ₂ Detection. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7055-7062.	8.0	123
16	CuO nanostructures: Synthesis, characterization, growth mechanisms, fundamental properties, and applications. <i>Progress in Materials Science</i> , 2014, 60, 208-337.	32.8	1,086
17	Highly stable urea sensor based on ZnO nanorods directly grown on Ag/glass electrodes. <i>Sensors and Actuators B: Chemical</i> , 2014, 194, 290-295.	7.8	76
18	A simple and template free synthesis of branched ZnO nanoarchitectures for sensor applications. <i>RSC Advances</i> , 2014, 4, 64075-64084.	3.6	32
19	An amperometric cholesterol biosensor with excellent sensitivity and limit of detection based on an enzyme-immobilized microtubular ZnO@ZnS heterostructure. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16997-17004.	10.3	40

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21	Lateral growth of ZnO nanorod arrays in polyhedral structures for high on-current field-effect transistors. Chemical Communications, 2014, 50, 10502.	4.1	6
22	Tailored lysozyme@ZnO nanoparticle conjugates as nanoantibiotics. Chemical Communications, 2014, 50, 9298-9301.	4.1	55
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39	Multi-synergetic ZnO platform for high performance cancer therapy. <i>Chemical Communications</i> , 2015, 51, 2585-2588.	4.1	16
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53	Hierarchically assembled ZnO nanosheets microspheres for enhanced glucose sensing performances. <i>Ceramics International</i> , 2016, 42, 13464-13469.	4.8	17
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75	Template-free synthesis of hierarchical ZnFe ₂ O ₄ yolk-shell microspheres for high-sensitivity acetone sensors. <i>Nanoscale</i> , 2016, 8, 5446-5453.	5.6	125
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