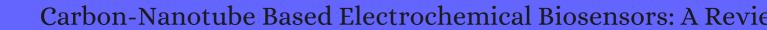
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#	Paper	IF	Citations
2042	Electrochemistry and electroanalytical applications of carbon nanotubes: a review. 2005 , 21, 1383-93		264
2041	Carbon nanotubes paste electrodes as new detectors for capillary electrophoresis. 2005 , 543, 84-91		65
2040	Demonstration of the advantages of using bamboo-like nanotubes for electrochemical biosensor applications compared with single walled carbon nanotubes. 2005 , 7, 1457-1462		65
2039	Multi-Wall Carbon Nanotube Paste Electrode for Adsorptive Stripping Determination of Quercetin: A Comparison with Graphite Paste Electrode via Voltammetry and Chronopotentiometry. <i>Electroanalysis</i> , 2005 , 17, 1681-1686	3	101
2038	Affinity Biosensors Based on Electropolymerized Films. <i>Electroanalysis</i> , 2005 , 17, 1701-1715	3	132
2037	Recent Advances in Electrochemical Enzyme Immunoassays. <i>Electroanalysis</i> , 2005 , 17, 1901-1918	3	90
2036	Present and future applications of carbon nanotubes to analytical science. 2005 , 382, 1783-90		150
2035	Experimental study of a pulsed microwave plasma assisted chemical vapour deposition of carbon nanotubes. 2005 , 202, 2079-2084		4
2034	The tube or the helix? This is the question: towards the fully controlled DNA-directed assembly of carbon nanotubes. 2005 , 1, 590-2		11
2033	Elimination Voltammetry with Linear Scan as a New Detection Method for DNA Sensors. 2005 , 5, 448-4	64	32
2032	Electroactivity of Proteins: Possibilities in Biomedicine and Proteomics. 2005, 1, 689-750		4
2031	Electrochemistry of Nucleic Acids. 2005 , 1, 73-173		42
2030	Resonant Raman studies on multi walled carbon nanotubes treated in acids. 2005 , 5824, 50		
2029	Small molecules as cross-linkers: fabrication of carbon nanotubes/thionine self-assembled multilayers on amino functionalized surfaces. 2005 , 5560-2		30
2028	Programmed assembly of multi-layered protein/nanoparticle-carbon nanotube conjugates. 2005 , 4952	-4	28
2027	Magnetically induced carbon nanotube-mediated control of electrochemical reactivity. 2005, 21, 8565-	8	14
2026	Bioelectrochemically functional nanohybrids through co-assembling of proteins and surfactants onto carbon nanotubes: facilitated electron transfer of assembled proteins with enhanced faradic response. 2005 , 21, 6560-6		107

2025	Raman Scattering in Carbon Nanotubes. 2006 , 115-234	62
2024	The advantage of using carbon nanotubes compared with edge plane pyrolytic graphite as an electrode material for oxidase-based biosensors. 2006 , 131, 1292-8	28
2023	Raman study of multiwalled carbon nanotubes functionalized with oxygen groups. 2006 , 24, 715	197
2022	Label-free detection of DNA hybridization using carbon nanotube network field-effect transistors. 2006 , 103, 921-6	587
2021	Enzyme Electrochemistry (Biocatalysis on an Electrode. 2006 , 59, 233	63
2020	Effect of Acid Treatment on the Single-walled Carbon Nanotube-based Gas Sensors. 2006,	
2019	Biosensor based on self-assembling acetylcholinesterase on carbon nanotubes for flow injection/amperometric detection of organophosphate pesticides and nerve agents. 2006 , 78, 835-43	396
2018	Single-Wall Carbon Nanotube-Based pH Sensor Fabricated by the Spray Method. 2006 , 9, H85	25
2017	Fullerenes. 2006 , 102, 420	3
2016	Differential labeling of closely spaced biosensor electrodes via electrochemical lithography. 2006 , 22, 1932-6	28
2015	Apparent 'electrocatalytic' activity of multiwalled carbon nanotubes in the detection of the anaesthetic halothane: occluded copper nanoparticles. 2006 , 131, 901-6	130
2014	Synthesis of ZrO2-carbon nanotube composites and their application as chemiluminescent sensor material for ethanol. 2006 , 110, 13410-4	86
2013	New electrodes for old: from carbon nanotubes to edge plane pyrolytic graphite. 2006 , 131, 15-21	490
2012	Iron oxide particles are the active sites for hydrogen peroxide sensing at multiwalled carbon nanotube modified electrodes. 2006 , 6, 1556-8	355
2011	The Redox Behaviour of Randomly Dispersed Single Walled Carbon Nanotubes both in the Absence and in the Presence of Adsorbed Glucose Oxidase. 2006 , 6, 1791-1826	34
2010	First principles study of 1,2-dichlorobenzene adsorption on metallic carbon nanotubes. 2006 , 106, 2558-2563	21
2009	Carbon nanotubes for biological devices. 2006 , 203, 1117-1123	4
2008	Electrocatalytic Activities of 1,2-Naphthoquinone Modified Carbon Nanotube to the Electrochemical Oxidation of ENicotinamide Adenine Dinucleotide. 2006 , 34, 1688-1693	3

2007	Amperometric glucose biosensor based on self-assembling glucose oxidase on carbon nanotubes. 2006 , 8, 251-256	193
2006	Electrochemical oxidation of glutathione at well-aligned carbon nanotube array electrode. 2006 , 51, 3046-3051	65
2005	Amperometric biosensor for ethanol based on co-immobilization of alcohol dehydrogenase and Meldola's Blue on multi-wall carbon nanotube. 2006 , 52, 215-220	66
2004	Highly selective and sensitive determination of dopamine using a Nafion/carbon nanotubes coated poly(3-methylthiophene) modified electrode. 2006 , 22, 664-9	207
2003	Carbon nanotubes-polymer-redox mediator hybrid thin film for electrocatalytic sensing. 2006 , 22, 700-6	53
2002	Electrocatalytic oxidation and sensitive detection of cysteine at layer-by-layer assembled carbon nanotube-modified electrode. 2006 , 557, 52-56	60
2001	Analytical applications of a carbon nanotubes composite modified with copper microparticles as detector in flow systems. 2006 , 577, 183-9	29
2000	Biosensors and bioelectrochemistry. 2006 , 10, 177-84	186
1999	Iron(III) protoporphyrin IXBingle-wall carbon nanotubes modified electrodes for hydrogen peroxide and nitrite detection. 2006 , 51, 6435-6441	57
1998	Carbon nanotube DNA sensor and sensing mechanism. 2006 , 6, 1632-6	390
1997	Chemistry of carbon nanotubes. 2006 , 106, 1105-36	3474
1996	Microchip Capillary Electrophoresis with a Single-Wall Carbon Nanotube/Gold Electrochemical Detector for Determination of Aminophenols and Neurotransmitters. 2006 , 152, 261-265	50
1995	Control of the Properties of Carbon Nanotubes Synthesized by CVD for Application in Electrochemical Biosensors. 2006 , 152, 239-247	22
1994	Glucose Biosensor Based on the Use of a Carbon Nanotube Paste Electrode Modified with Metallic Particles. 2006 , 152, 277-283	35
1993	Chemically Modified Carbon Nanotubes for Use in Electroanalysis. 2006 , 152, 187-214	295
1992	Immobilization and direct electrochemistry of cytochrome c at a single-walled carbon nanotube-modified electrode. 2006 , 11, 390-397	38
1991	Recent developments in methods and technology for analysis of biological samples by MALDI-TOF-MS. 2007 , 387, 193-204	106
1990	Electron-transfer properties of different carbon nanotube materials, and their use in glucose biosensors. 2007 , 387, 303-9	60

(2007-2006)

1989	Simultaneous determination of quercetin and rutin at a multi-wall carbon-nanotube paste electrodes by reversing differential pulse voltammetry. 2006 , 119, 608-614	110
1988	Conductivity of single-walled carbon nanotubes deposited by composite electric-field guided assembly (CEGA) method. 2006 , 6, e161-e165	1
1987	Chemistry: Whitesides honored / Medicinal Chemistry: Kubinyi recognized / Electrochemistry: Prize for Wang. 2006 , 45, 5576-5576	
1986	Reversible control of carbon nanotube aggregation for a glucose affinity sensor. 2006 , 45, 8138-41	125
1985	DNA-Modified Screen-Printed Electrodes with Nanostructured Films of Multiwall Carbon Nanotubes, Hydroxyapatite and Montmorillonite. <i>Electroanalysis</i> , 2006 , 18, 163-168	17
1984	Polydivinylbenzene/Ethylvinylbenzene Composite Membranes for the Optimization of a Whole Blood Glucose Sensor. <i>Electroanalysis</i> , 2006 , 18, 95-102	4
1983	Application of Nanoparticles in Electrochemical Sensors and Biosensors. <i>Electroanalysis</i> , 2006 , 18, 319-32/6	992
1982	Direct Electrochemistry of Multi-Copper Oxidases at Carbon Nanotubes Noncovalently Functionalized with Cellulose Derivatives. <i>Electroanalysis</i> , 2006 , 18, 587-594	108
1981	Carbon nanotube/poly(methyl methacrylate) composite electrode for capillary electrophoretic measurement of honokiol and magnolol in Cortex Magnoliae Officinalis. 2006 , 27, 3233-42	39
1980	Nanofibrous Membranes Containing Carbon Nanotubes: Electrospun for Redox Enzyme Immobilization. 2006 , 27, 516-521	64
1979	Chemie: Whitesides geehrt / Medizinische Chemie: Kubinyi ausgezeichnet / Elektrochemie: Preis fl Wang. 2006 , 118, 5702-5702	
1978	Reversible Control of Carbon Nanotube Aggregation for a Glucose Affinity Sensor. 2006 , 118, 8318-8321	21
1977	Carbon-Nanotube-Based Glucose/O2 Biofuel Cells. 2006 , 18, 2639-2643	227
1976	Rapid Detection of Adenine and Cytosine Nucleotides in Short Hetero-Oligodeoxynucleotides. 2006 ,	
1975	A generic process of growing aligned carbon nanotube arrays on metals and metal alloys. 2007 , 18, 185605	56
1974	Double-Walled Carbon Nanotube Electrodes for Electrochemical Sensing. 2007 , 10, F13	29
1973	Biosensing Using Carbon Nanotube Field-effect Transistors. 2007,	1
1972	Spectrometric and Voltammetric Analysis of Urease [Nickel Nanoelectrode as an Electrochemical Sensor. 2007 , 7, 1238-1255	37

1971 Carbon Nanotube-based Sensor. 2007, 1 1970 Interaction of [FeFe]-hydrogenases with single-walled carbon nanotubes. 2007, Local growth of vertical aligned carbon nanotubes by laserinduced surface modification of coated 1969 3 silicon substrates. 2007, 59, 318-321 Chapter 19 Genosensor technology for electrochemical sensing of nucleic acids by using different 1968 9 transducers. 2007, 49, 403-411 Magnetic loading of carbon nanotube/nano-Fe(3)O(4) composite for electrochemical sensing. 2007, 1967 196 71.1096-102 Amperometric glutamate biosensor based on self-assembling glutamate dehydrogenase and 71 dendrimer-encapsulated platinum nanoparticles onto carbon nanotubes. 2007, 73, 438-43 1965 Nanometer-sized diamond particle as a probe for biolabeling. 2007, 93, 2199-208 229 Preparation and characterization of chitosan-grafted multiwalled carbon nanotubes and their 1964 149 electrochemical properties. 2007, 45, 1212-1218 Carbon nanotube/polysulfone composite screen-printed electrochemical enzyme biosensors. 2007, 1963 70 132, 142-7 Interfacial Bioelectrochemistry: Fabrication, Properties and Applications of Functional 136 Nanostructured Biointerfaces. 2007, 111, 2351-2367 1961 Microarrays. **2007**, 1 1960 Nonenzymatic Glucose Sensor Using Freestanding Single-Wall Carbon Nanotube Films. 2007, 10, J58 41 Carbon nanotubes contain residual metal catalyst nanoparticles even after washing with nitric acid 1959 at elevated temperature because these metal nanoparticles are sheathed by several graphene 246 sheets. 2007, 23, 6453-8 1958 Polymer Grafting of Carbon Nanotubes Using Living Free-Radical Polymerization. 2007, 47, 265-290 105 Amperometric immunosensing using an indium tin oxide electrode modified with multi-walled 1957 51 carbon nanotube and poly(ethylene glycol)-silane copolymer. **2007**, 2610-2 Sensitive dopamine recognition by boronic acid functionalized multi-walled carbon nanotubes. 1956 45 **2007**. 2345-7 Novel Dendritic Palladium Nanostructure and Its Application in Biosensing. 2007, 111, 12609-12616 1955 92 Temperature-driven pumping of fluid through single-walled carbon nanotubes. 2007, 7, 3324-8 96

(2007-2007)

1953	Carbon nanotube-modified carbon fiber microelectrodes for in vivo voltammetric measurement of ascorbic acid in rat brain. 2007 , 79, 6559-65		190
1952	Transmission electron microscopy study of carbon nanostructures grown by MPACVD in CH4/CO2 gas mixture. 2007 , 16, 1244-1249		3
1951	Carbon Nanotubes and Electrochemistry. 2007 , 221, 1161-1173		15
1950	Carbon nanotube/poly(methyl methacrylate) (CNT/PMMA) composite electrode fabricated by in situ polymerization for microchip capillary electrophoresis. 2007 , 13, 846-53		77
1949	Ionic liquids for soft functional materials with carbon nanotubes. 2007 , 13, 5048-58		467
1948	Covalent immobilization of redox enzyme on electrospun nonwoven poly(acrylonitrile-co-acrylic acid) nanofiber mesh filled with carbon nanotubes: a comprehensive study. 2007 , 97, 708-20		68
1947	Carbon Nanotube Field-Effect-Transistor-Based Biosensors. 2007 , 19, 1439-1451		639
1946	Electrochemical Characteristics of Glucose Oxidase Adsorbed at Carbon Nanotubes Modified Electrode with Ionic Liquid as Binder. <i>Electroanalysis</i> , 2007 , 19, 55-59		78
1945	Resolution of Overlapped Reduction Signals in Short Hetero-oligonucleotides by Elimination Voltammetry. <i>Electroanalysis</i> , 2007 , 19, 348-355		13
1944	Determination of Phenolic Compounds Based on Co-Immobilization of Methylene Blue and HRP on Multi-Wall Carbon Nanotubes. <i>Electroanalysis</i> , 2007 , 19, 549-554		32
1943	Flexible Ultrathin PolyDVB/EVB Composite Membranes for the Optimization of a Lactate Sensor. Electroanalysis, 2007 , 19, 567-574		8
1942	Carbon Nanotubes Paste Electrodes. A New Alternative for the Development of Electrochemical Sensors. <i>Electroanalysis</i> , 2007 , 19, 823-831		83
1941	Biosensor Based on Self-Assembling Glucose Oxidase and Dendrimer-Encapsulated Pt Nanoparticles on Carbon Nanotubes for Glucose Detection. <i>Electroanalysis</i> , 2007 , 19, 717-722		70
1940	Amperometric Tyrosinase Biosensor Based on Carbon Nanotubellitania Mafion Composite Film. <i>Electroanalysis</i> , 2007 , 19, 1048-1054		22
1939	The NADH Electrochemical Detection Performed at Carbon Nanofibers Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2007 , 19, 1455-1459		42
1938	Amperometric Ethanol Biosensor Based on Carbon Nanotubes Dispersed in Sol G el-Derived Titania Nafion Composite Film. <i>Electroanalysis</i> , 2007 , 19, 1524-1530		26
1937	Electrochemical Biosensing Platform Using Carbon Nanotube Activated Glassy Carbon Electrode. <i>Electroanalysis</i> , 2007 , 19, 1623-1627		15
1936	Direct Bioelectrocatalysis of PQQ-Dependent Glucose Dehydrogenase. <i>Electroanalysis</i> , 2007 , 19, 1562-1 <u>5</u> 6	8	80

1935	Properties of Dendrimer-Encapsulated Pt Nanoparticles Doped Polypyrrole Composite Films and Their Electrocatalytic Activity for Glucose Oxidation. <i>Electroanalysis</i> , 2007 , 19, 1677-1682	18
1934	Simultaneous Determination of Ranitidine and Metronidazole at Glassy Carbon Electrode Modified with Single Wall Carbon Nanotubes. <i>Electroanalysis</i> , 2007 , 19, 1668-1676	61
1933	Electroanalysis Utilizing Amperometric Microdisk Electrode Arrays. <i>Electroanalysis</i> , 2007 , 19, 1973-1986 3	93
1932	Amperometric Glucose Biosensor Based on Glucose Oxidase Encapsulated in Carbon NanotubellitaniaNafion Composite Film on Platinized Glassy Carbon Electrode. <i>Electroanalysis</i> , 3 2007 , 19, 1757-1763	45
1931	Carbon nanotube detectors for microchip CE: comparative study of single-wall and multiwall carbon nanotube, and graphite powder films on glassy carbon, gold, and platinum electrode surfaces. 2007 , 28, 1274-80	54
1930	Immobilization and Characterization of Glucose Oxidase on Single-Walled Carbon Nanotubes and Its Application to Sensing Glucose. 2007 , 25, 439-447	29
1929	Stimulation of the local growth of aligned carbon nanotubes by pulse laser exposure of the substrate. 2007 , 253, 7707-7710	3
1928	Amperometric glucose biosensor based on multilayer films via layer-by-layer self-assembly of multi-wall carbon nanotubes, gold nanoparticles and glucose oxidase on the Pt electrode. 2007 , 22, 2854-60	177
1927	Highly sensitive lactate biosensor by engineering chitosan/PVI-Os/CNT/LOD network nanocomposite. 2007 , 22, 3288-92	103
1926	Physical and electrochemical characterization of platinum and platinum and platinum treated carbon nanotubes directly grown on carbon cloth. 2007 , 45, 383-389	26
1925	Dispersion of carbon nanotubes in low pH aqueous solutions by means of alumina-coated silica nanoparticles. 2007 , 45, 2823-2827	26
1924	Dispersion of multi-wall carbon nanotubes in polyethylenimine: A new alternative for preparing electrochemical sensors. 2007 , 9, 480-484	120
1923	Determination of cationic neurotransmitters and metabolites in brain homogenates by microchip electrophoresis and carbon nanotube-modified amperometry. 2007 , 1142, 214-21	42
1922	Determination of trace thiocyanate with nano-silver coated multi-walled carbon nanotubes modified glassy carbon electrode. 2007 , 585, 331-6	56
1921	An enhanced biosensor for glutamate based on self-assembled carbon nanotubes and dendrimer-encapsulated platinum nanobiocomposites-doped polypyrrole film. 2007 , 597, 145-50	42
1920	Comparison of amperometric biosensors fabricated by palladium sputtering, palladium electrodes. 2007 , 22, 877-84	54
1919	Label-free immunosensor for prostate-specific antigen based on single-walled carbon nanotube array-modified microelectrodes. 2007 , 22, 2377-81	261
1918	Amperometric biosensing of glutamate using carbon nanotube based electrode. 2007 , 9, 1323-1330	103

1917	Gelatin-functionalized carbon nanotubes for the bioelectrochemistry of hemoglobin. 2007 , 9, 1619-1623	51
1916	The effects of the lengths and orientations of single-walled carbon nanotubes on the electrochemistry of nanotube-modified electrodes. 2007 , 9, 1677-1683	103
1915	Development of a microbial biosensor based on carbon nanotube (CNT) modified electrodes. 2007 , 9, 1810-1815	128
1914	Single walled carbon nanotubes contain residual iron oxide impurities which can dominate their electrochemical activity. 2007 , 9, 2330-2333	87
1913	Enhancement of electrochemiluminesence of lucigenin by ascorbic acid at single-wall carbon nanotube film-modified glassy carbon electrode. 2007 , 52, 4457-4462	20
1912	Selectively attaching Pt-nano-clusters to the open ends and defect sites on carbon nanotubes for electrochemical catalysis. 2007 , 52, 5140-5149	54
1911	Low potential detection of glucose at carbon nanotube modified glassy carbon electrode with electropolymerized poly(toluidine blue O) film. 2007 , 53, 278-284	45
1910	Room-temperature ionic liquids/multi-walled carbon nanotubes/chitosan composite electrode for electrochemical analysis of NADH. 2007 , 52, 6630-6637	88
1909	Poly-(3-methylthiophene)/carbon nanotubes hybrid composite-modified electrodes. 2007 , 52, 7946-7952	51
1908	One dimensional nanostructured materials. 2007 , 52, 699-913	495
1907	Hyperbranched polyol/carbon nanofiber composites. 2007, 48, 1500-1509	21
1906	Electrochemical biosensors based on colloidal gold@arbon nanotubes composite electrodes. 2007 , 603, 1-7	117
1905	Direct heterogeneous electron transfer reactions and molecular orientation of fructose dehydrogenase adsorbed onto pyrolytic graphite electrodes. 2007 , 610, 1-8	49
1904	Electrochemical nanobiosensors. 2007 , 123, 1195-1205	407
1903	Amperometric biosensor for lactate based on lactate dehydrogenase and Meldola Blue coimmobilized on multi-wall carbon-nanotube. 2007 , 124, 269-276	72
1902	Nanotube electrodes and biosensors. 2007 , 2, 30-37	641
1901	Hybridization kinetics and thermodynamics of DNA adsorbed to individually dispersed single-walled carbon nanotubes. 2007 , 3, 1602-9	66
1900	Electrochemically modified single-walled carbon nanotubes. 2007 , 244, 4021-4025	9

1899	Carbon nanotubes for biological and biomedical applications. 2007 , 18, 412001	460
1898	Hydrogenase-coated carbon nanotubes for efficient H2 oxidation. 2007 , 7, 1603-8	158
1897	A DNA electrochemical sensor prepared by electrodepositing zirconia on composite films of single-walled carbon nanotubes and poly(2,6-pyridinedicarboxylic acid), and its application to detection of the PAT gene fragment. 2007 , 389, 913-21	46
1896	Application of cadmium sulfide nanoparticles as oligonucleotide labels for the electrochemical detection of NOS terminator gene sequences. 2007 , 389, 2179-84	30
1895	Simultaneous voltammetry determination of dihydroxybenzene isomers by poly-bromophenol blue/carbon nanotubes composite modified electrode. 2007 , 79, 5-10	26
1894	Multi-walled carbon nanotube paste electrode for selective voltammetric detection of isoniazid. 2007 , 157, 149-158	55
1893	Simultaneous voltammetric determination of dihydroxybenzene isomers using a poly(acid chrome blue K)/carbon nanotube composite electrode. 2007 , 157, 229-235	32
1892	A carbon nanotube/silica sol-gel architecture for immobilization of horseradish peroxidase for electrochemical biosensor. 2007 , 30, 289-96	40
1891	Electrochemical properties of double wall carbon nanotube electrodes. 2007 , 2, 87-93	69
1890	Rapid functionalization of carbon nanotube and its electrocatalysis. 2007 , 2, 369-377	6
1889	Modification of glassy carbon electrode with multi-walled carbon nanotubes and iron(III)-porphyrin film: Application to chlorate, bromate and iodate detection. 2007 , 52, 6097-6105	86
		86
	film: Application to chlorate, bromate and iodate detection. 2007 , 52, 6097-6105 Preparation and characterization of room temperature ionic liquid/single-walled carbon nanotube nanocomposites and their application to the direct electrochemistry of heme-containing	
1888	film: Application to chlorate, bromate and iodate detection. 2007 , 52, 6097-6105 Preparation and characterization of room temperature ionic liquid/single-walled carbon nanotube nanocomposites and their application to the direct electrochemistry of heme-containing proteins/enzymes. 2007 , 52, 6534-6547 Single-walled carbon nanotubes functionalized with poly(nile blue A) and their application to	139
1888 1887 1886	Film: Application to chlorate, bromate and iodate detection. 2007, 52, 6097-6105 Preparation and characterization of room temperature ionic liquid/single-walled carbon nanotube nanocomposites and their application to the direct electrochemistry of heme-containing proteins/enzymes. 2007, 52, 6534-6547 Single-walled carbon nanotubes functionalized with poly(nile blue A) and their application to dehydrogenase-based biosensors. 2007, 53, 1811-1823 Amperometric ethanol biosensor based on poly(vinyl alcohol)-multiwalled carbon nanotube-alcohol	139 73
1888 1887 1886	film: Application to chlorate, bromate and iodate detection. 2007, 52, 6097-6105 Preparation and characterization of room temperature ionic liquid/single-walled carbon nanotube nanocomposites and their application to the direct electrochemistry of heme-containing proteins/enzymes. 2007, 52, 6534-6547 Single-walled carbon nanotubes functionalized with poly(nile blue A) and their application to dehydrogenase-based biosensors. 2007, 53, 1811-1823 Amperometric ethanol biosensor based on poly(vinyl alcohol)-multiwalled carbon nanotube-alcohol dehydrogenase biocomposite. 2007, 22, 3051-6	13973118
1888 1887 1886 1885	film: Application to chlorate, bromate and iodate detection. 2007, 52, 6097-6105 Preparation and characterization of room temperature ionic liquid/single-walled carbon nanotube nanocomposites and their application to the direct electrochemistry of heme-containing proteins/enzymes. 2007, 52, 6534-6547 Single-walled carbon nanotubes functionalized with poly(nile blue A) and their application to dehydrogenase-based biosensors. 2007, 53, 1811-1823 Amperometric ethanol biosensor based on poly(vinyl alcohol)-multiwalled carbon nanotube-alcohol dehydrogenase biocomposite. 2007, 22, 3051-6 Carbon nanotube/polysulfone screen-printed electrochemical immunosensor. 2007, 23, 332-40 Carbon nanotubes and glucose oxidase bionanocomposite bridged by ionic liquid-like unit:	13973118100

(2008-2007)

Immobilization and characterization of alcohol dehydrogenase on single-walled carbon nanotubes and its application in sensing ethanol. 2007 , 602, 103-114	84
Direct electrochemistry of cytochrome c on electrodeposited nickel oxide nanoparticles. 2008 , 614, 83-92	26
A multiwalled carbon nanotube/dihydropyran composite film electrode for insulin detection in a microphysiometer chamber. 2008 , 609, 44-52	48
Electrosorption of Os(III)-complex at single-wall carbon nanotubes immobilized on a glassy carbon electrode: application to nanomolar detection of bromate, periodate and iodate. 2008 , 618, 43-53	39
Increasing amperometric biosensor sensitivity by length fractionated single-walled carbon nanotubes. 2008 , 24, 272-8	32
Highly ordered mesoporous carbons as electrode material for the construction of electrochemical dehydrogenase- and oxidase-based biosensors. 2008 , 24, 442-7	149
Detection of NADH via electrocatalytic oxidation at single-walled carbon nanotubes modified with Variamine blue. 2008 , 53, 2161-2169	55
Alcohol dehydrogenase amperometric biosensor based on a colloidal goldflarbon nanotubes composite electrode. 2008 , 53, 4007-4012	65
Electrochemical characterisation of patterned carbon nanotube electrodes on silane modified silicon. 2008 , 53, 5653-5659	18
Modified glassy carbon electrode with multiwall carbon nanotubes as a voltammetric sensor for determination of noscapine in biological and pharmaceutical samples. 2008 , 134, 292-299	56
Highly selective determination of uric acid in the presence of ascorbic acid at glassy carbon electrodes modified with carbon nanotubes dispersed in polylysine. 2008 , 134, 559-565	54
Cross-linked enzyme crystals of organophosphate hydrolase for electrochemical detection of organophosphorus compounds. 2008 , 24, 3049-3055	35
Carbon nanotubes (CNTs)-based electroanalysis. 2008 , 390, 293-8	29
Amperometric determination of hydrogen peroxide residue in beverages using a Nafion modified palladium electrode. 2008 , 226, 809-815	11
Review: carbon nanotube for microfluidic lab-on-a-chip application. 2008 , 1, 117-125	29
Biocatalysts for fuel cells: efficient hydrogenase orientation for H2 oxidation at electrodes modified with carbon nanotubes. 2008 , 13, 1157-67	67
Insights into the electro-oxidation of hydrazine at single-walled carbon-nanotube-modified edge-plane pyrolytic graphite electrodes electro-decorated with metal and metal oxide films. 2008 , 12, 1325-1336	28
Nano-silver/multi-walled carbon nanotube composite films for hydrogen peroxide electroanalysis. 2008 , 162, 51-56	31
	and its application in sensing ethanol. 2007, 602, 103-114 Direct electrochemistry of cytochrome c on electrodeposited nickel oxide nanoparticles. 2008, 614, 83-92 A multiwalled carbon nanotube/dihydropyran composite film electrode for insulin detection in a microphysiometer chamber. 2008, 609, 44-52 Electrosorption of Os(III)-complex at single-wall carbon nanotubes immobilized on a glassy carbon electrode: application to nanomolar detection of bromate, periodate and iodate. 2008, 618, 43-53 Increasing amperometric biosensor sensitivity by length fractionated single-walled carbon nanotubes; 2008, 24, 272-8 Highly ordered mesoporous carbons as electrode material for the construction of electrochemical dehydrogenase- and oxidase-based biosensors. 2008, 24, 442-7 Detection of NADH via electrocatalytic oxidation at single-walled carbon nanotubes modified with Variamine blue. 2008, 53, 2161-2169 Alcohol dehydrogenase amperometric biosensor based on a colloidal goldBarbon nanotubes composite electrode. 2008, 53, 4007-4012 Electrochemical characterisation of patterned carbon nanotube sas a voltammetric sensor for determination of noscapine in biological and pharmaceutical samples. 2008, 134, 292-299 Highly selective determination of uric acid in the presence of ascorbic acid at glassy carbon electrodes modified with carbon nanotubes dispersed in polylysine. 2008, 134, 292-299 Highly selective determination of hydrogen peroxide residue in beverages using a Nafion modified palladium electrode. 2008, 226, 809-815 Carbon nanotubes (CNTs)-based electroanalysis. 2008, 390, 293-8 Amperometric determination of hydrogen peroxide residue in beverages using a Nafion modified palladium electrode. 2008, 226, 809-815 Review: carbon nanotube for microfluidic lab-on-a-chip application. 2008, 1, 117-125 Biocatalysts for fuel cells: efficient hydrogenase orientation for H2 oxidation at electrodes modified with carbon nanotubes. 2008, 13, 1157-67 Insights into the electro-oxidation of hydrazine at single-walled carbon-nan

1863	Amperometric electronic tongue for food analysis. 2008 , 163, 11-21		74
1862	Electrocatalytic oxidation and sensitive determination of l-cysteine at a poly(aminoquinone)-carbon nanotubes hybrid film modified glassy carbon electrode. 2008 , 162, 219-225		15
1861	Nanobiosensors: optofluidic, electrical and mechanical approaches to biomolecular detection at the nanoscale. 2008 , 4, 33-52		174
1860	Polyaniline-coated Fe3O4 nanoparticle-carbon-nanotube composite and its application in electrochemical biosensing. 2008 , 4, 462-6		165
1859	Carbon-nanotube-alginate composite modified electrode fabricated by in situ gelation for capillary electrophoresis. 2008 , 14, 9779-85		33
1858	Enhancement Action of Lanthanum Hydroxide Nanowire Towards Voltammetric Response of Dobesilate and Its Application. 2008 , 26, 220-224		2
1857	Adsorption of poly(rA) on the carbon nanotube surface and its hybridization with poly(rU). 2008, 9, 2010	-8	12
1856	Amperometric Glucose Biosensor on Layer by Layer Assembled Carbon Nanotube and Polypyrrole Multilayer Film. <i>Electroanalysis</i> , 2008 , 20, 150-156	3	62
1855	Logic Gates Based on Magnetic Nanoparticles Functionalized with a Bioelectrocatalytic System. <i>Electroanalysis</i> , 2008 , 20, 22-29	3	16
1854	Amperometric Glucose Biosensors Based on Glassy Carbon and SWCNT-Modified Glassy Carbon Electrodes. <i>Electroanalysis</i> , 2008 , 20, 84-90	3	9
1853	Unadulterated Glucose Biosensor Based on Direct Electron Transfer of Glucose Oxidase Encapsulated Chitosan Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2008 , 20, 520-526	3	33
1852	Nanocomposites: From Fabrications to Electrochemical Bioapplications. <i>Electroanalysis</i> , 2008 , 20, 648-66	ig2	130
1851	Characterization of DNA Layers Adsorbed on Glassy Carbon Electrodes. <i>Electroanalysis</i> , 2008 , 20, 739-74	9	2
1850	Direct Electrochemistry of Hemoglobin Entrapped in Composite Electrodeposited Chitosan-Multiwall Carbon Nanotubes and Nanogold Particles Membrane and Its Electrocatalytic Application. <i>Electroanalysis</i> , 2008 , 20, 1067-1072	3	18
1849	Voltammetric Reduction of a 4-Nitroimidazole Derivative on a Multiwalled Carbon Nanotubes Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2008 , 20, 1470-1474	3	3
1848	Picomolar Detection of Hydrogen Peroxide at Glassy Carbon Electrode Modified with NAD+ and Single Walled Carbon Nanotubes. <i>Electroanalysis</i> , 2008 , 20, 1760-1768	3	18
1847	A Critical Review of the Electrocatalysis Reported at C60 Modified Electrodes. <i>Electroanalysis</i> , 2008 , 20, 1507-1512	3	38
1846	High Sensitive Electrochemical Detection of Sequence-Specific DNA Using Low Current Voltammetry. <i>Electroanalysis</i> , 2008 , 20, 1798-1804	3	3

1845	Field-Effect Nanoparticle-Based Glucose Sensor on a Chip: Amplification Effect of Coimmobilized Redox Species. <i>Electroanalysis</i> , 2008 , 20, 1748-1753	52
1844	Glassy Carbon Electrodes Modified with Multiwall Carbon Nanotubes Dispersed in Polylysine. Electroanalysis, 2008 , 20, 1623-1631	34
1843	Electrochemistry of Nitrogen-Doped Carbon Nanotubes (CNx) with Different Nitrogen Content and Its Application in Simultaneous Determination of Dihydroxybenzene Isomers. <i>Electroanalysis</i> , 2008 , 20, 1981-1986	61
1842	Voltammetric Determination of Phenoxybenzyl-Type Insecticides at Chemically Modified Conducting Polymer-Carbon Nanotubes Coated Electrodes. <i>Electroanalysis</i> , 2008 , 20, 2076-2083	14
1841	A Mediator-Free Bienzyme Amperometric Biosensor Based on Horseradish Peroxidase and Glucose Oxidase Immobilized on Carbon Nanotube Modified Electrode. <i>Electroanalysis</i> , 2008 , 20, 2090-2095	33
1840	Electrochemistry and Electrocatalysis of Hemoglobin on 1-Pyrenebutanoic Acid Succinimidyl Ester/Multiwalled Carbon Nanotube and Au Nanoparticle Modified Electrode. <i>Electroanalysis</i> , 2008 , 20, 2134-2140	22
1839	Electrocatalysis of 2-Diethylaminoethanethiol at Nickel Nanoparticle-Electrodecorated Single-Walled Carbon Nanotube Platform: An Adsorption-Controlled Electrode Process. Electroanalysis, 2008, 20, 2587-2591	18
1838	Direct Electrochemistry of Hemoglobin on Single-Walled Carbon Nanotubes Modified Carbon Ionic Liquid Electrode and Its Electrocatalysis. <i>Electroanalysis</i> , 2008 , 20, 2649-2654	11
1837	Carbon nanotube gas and vapor sensors. 2008 , 47, 6550-70	676
1836	Electrochemistry at carbon nanotube electrodes: is the nanotube tip more active than the sidewall?. 2008 , 47, 5446-50	148
1835	The Inner Shell Influence on the Electronic Structure of Double-Walled Carbon Nanotubes. 2008 , 20, 189-194	28
1834	Gas- und Dampfsensoren auf der Basis von Kohlenstoff-Nanorfiren. 2008 , 120, 6652-6673	32
1833	Electrochemistry at Carbon Nanotube Electrodes: Is the Nanotube Tip More Active Than the Sidewall?. 2008 , 120, 5526-5530	17
1832	Local growth of aligned carbon nanotubes at surface sites irradiated by pulsed laser. 2008 , 40, 2223-2226	8
1831	Microwave heating coupled with ionic liquids: Synthesis and properties of novel optically active polyamides, thermal degradation and electrochemical stability on multi-walled carbon nanotubes electrode. 2008 , 49, 3239-3249	42
1830	Nickel modification of carbon nanotubes grown on graphite for electrochemical sensors. 2008 , 132, 202-208	12
1829	Bacterial sensors based on chitosan matrices. 2008 , 134, 89-94	38
1828	Voltammetric behavior of multi-walled carbon nanotubes modified electrode-hexacyanoferrate(II) electrocatalyst system as a sensor for determination of captopril. 2008 , 134, 324-331	158

1827	Electrochemical behavior of rigid carbon nanotube composite electrodes. 2008 , 619-620, 117-124	91
1826	DNA-programmable multiplexing for scalable, renewable redox protein bio-nanoelectronics. 2008 , 74, 111-7	9
1825	Bioelectrocatalytic current based on direct heterogeneous electron transfer reaction of glucose oxidase adsorbed onto multi-walled carbon nanotubes synthesized on platinum electrode surfaces. 2008 , 10, 888-890	23
1824	Development of electrochemical oxidase biosensors based on carbon nanotube-modified carbon film electrodes for glucose and ethanol. 2008 , 53, 6732-6739	76
1823	Electrochemical behavior and voltammetric determination of norfloxacin at glassy carbon electrode modified with multi walled carbon nanotubes/Nafion. 2008 , 64, 269-74	67
1822	Fabrication of bienzyme nanobiocomposite electrode using functionalized carbon nanotubes for biosensing applications. 2008 , 23, 1686-93	53
1821	Self-assembled CNTs/CdS/dehydrogenase hybrid-based amperometric biosensor triggered by photovoltaic effect. 2008 , 24, 319-23	47
1820	Highly sensitive biosensor based on bionanomultilayer with water-soluble multiwall carbon nanotubes for determination of phenolics. 2008 , 24, 306-12	30
1819	Simultaneous electrochemical determination of dopamine, uric acid and ascorbic acid using palladium nanoparticle-loaded carbon nanofibers modified electrode. 2008 , 24, 632-7	519
1818	Preparation of polyaniline/multiwalled carbon nanotube composite by novel electrophoretic route. 2008 , 46, 1727-1735	112
1817	Multiwalled carbon nanotube modified screen-printed electrodes for the detection of p-aminophenol: optimisation and application in alkaline phosphatase-based assays. 2008 , 615, 30-8	46
1816	Determination of zearalenone and its metabolites in urine samples by liquid chromatography with electrochemical detection using a carbon nanotube-modified electrode. 2008 , 1212, 54-60	45
1815	Functionalized carbon nanotubes and nanofibers for biosensing applications. 2008, 27, 619-626	220
1814	Adsorption and electrochemistry of hemoglobin on Chi-carbon nanotubes composite film. 2008 , 255, 571-573	16
1813	Determination of concentrated hydrogen peroxide at single-walled carbon nanohorn paste electrode. 2008 , 10, 695-698	59
1812	The characteristics of highly ordered mesoporous carbons as electrode material for electrochemical sensing as compared with carbon nanotubes. 2008 , 10, 859-863	115
1811	Transport phenomena in nanofluidics. 2008 , 80, 839-883	1343
1810	Environmental applications of carbon-based nanomaterials. 2008 , 42, 5843-59	1154

(2008-2008)

180	Relationship between carbon nanotube structure and electrochemical behavior: heterogeneous electron transfer at electrochemically activated carbon nanotubes. 2008 , 3, 2046-55	97
180	Electrochemical sensing platform based on the highly ordered mesoporous carbon-fullerene system. 2008 , 80, 4642-50	106
180	Recent Updates of DNA Incorporated in Carbon Nanotubes and Nanoparticles for Electrochemical Sensors and Biosensors. 2008 , 8, 7191-7212	33
180	Application of linear-sweep voltammetry to the determination of nucleic acids using crystal violet as an electrochemical probe. 2008 , 63, 265-270	2
180	Electronically monitoring biological interactions with carbon nanotube field-effect transistors. 2008 , 37, 1197-206	153
180	Carbon-nanotube-induced acceleration of catalytic nanomotors. 2008 , 2, 1069-75	298
180	In situ cationic ring-opening polymerization and quaternization reactions to confine ferricyanide onto carbon nanotubes: a general approach to development of integrative nanostructured electrochemical biosensors. 2008 , 80, 6587-93	30
180	Control of Length and Spatial Functionality of Single-Wall Carbon Nanotube AFM Nanoprobes. 2008 , 20, 2793-2801	18
180	Single-walled carbon nanotube network ultramicroelectrodes. 2008 , 80, 3598-605	52
180	Multiwalled Carbon Nanotubes Modified Electrode as a Sensor for Adsorptive Stripping Voltammetric Determination of Hydrochlorothiazide. 2008 , 8, 1523-1529	52
179	An electrochemical sensor for pesticide assays based on carbon nanotube-enhanced acetycholinesterase activity. 2008 , 133, 1182-6	94
179	Picomolar detection of protease using peptide/single walled carbon nanotube/gold nanoparticle-modified electrode. 2008 , 2, 1051-7	107
179	7 Electrochemical glucose biosensors. 2008 , 108, 814-25	2569
179	Covalent immobilization of proteins on carbon nanotubes using the cross-linker 1-ethyl-3-(3-dimethylaminopropyl)carbodiimidea critical assessment. 2008 , 19, 1945-50	210
179	Raman spectroscopy of charge transfer interactions between single wall carbon nanotubes and [FeFe] hydrogenase. 2008 , 5454-61	11
179	Immobilized enzyme-single-wall carbon nanotube composites for amperometric glucose detection at a very low applied potential. 2008 , 2529-31	26
179	Highly Efficient and Versatile Anodes for Biofuel Cells Based on Cellobiose Dehydrogenase from Myriococcum thermophilum. 2008 , 112, 13668-13673	76
179	Interaction between glycine/glycine radicals and intrinsic/boron-doped (8,0) single-walled carbon nanotubes: a density functional theory study. 2008 , 112, 15442-9	38

1791	The optimum functionalization of carbon nanotube/ferritin composites. 2008, 17, 045029	5
1790	Recent Trends in the Application of Carbon Nanotubes P olymer Composite Modified Electrodes for Biosensors: A Review. 2008 , 41, 210-243	55
1789	Surface design of carbon nanotubes for optimizing the adsorption and electrochemical response of analytes. 2008 , 24, 8890-7	29
1788	Electrochemical sensors based on carbon nanotubes. 2008, 459-VIII	8
1787	Increasing efficiency of photoelectronic conversion by encapsulation of photosynthetic reaction center proteins in arrayed carbon nanotube electrode. 2008 , 24, 8871-6	43
1786	Nanomaterials and Analytical Chemistry. 2008 , 41, 479-520	45
1785	Modified Glassy Carbon Electrode with Multiwall Carbon Nanotubes as a Voltammetric Sensor for Determination of Leucine in Biological and Pharmaceutical Samples. 2008 , 41, 2267-2286	24
1784	Direct Electrochemistry of Hemoglobin in Cerium Dioxide/Carbon Nanotubes/Chitosan for Amperometric Detection of Hydrogen Peroxide. 2008 , 41, 3100-3112	11
1783	Low Overpotential Detection of NADH and Ethanol Based on Thionine Single-Walled Carbon Nanotube Composite. 2008 , 155, F231	17
1782	Nanomaterial Based Electrochemical DNA Biosensors and Bioassays. 2008, 4, 419-431	22
1781	Simple, low-cost technique for photolithographic self-aligned top metal contacts to nanowires and nanotubes. 2008 , 19, 455305	1
1780	Fabrication of carbon-nanotube enhanced piezoelectric membrane-based biosensor. 2008,	
1779	Modeling nucleation and growth of encapsulated nanocrystals: Kinetic Monte Carlo simulations and rate theory. 2008 , 78,	8
1778	Electroanalysis of NADH Using Conducting and Redox Active Polymer/Carbon Nanotubes Modified Electrodes-A Review. 2008 , 8, 739-766	112
1777	Label-Free Gene and Protein Sensors Based on Electrochemical and Local Plasmon Resonance Devices. 2008 ,	
1776	Amperometric Sensor for Detection of Chloride Ions. 2008 , 8, 5619-5636	23
1775	Amperometric Low-Potential Detection of Malic Acid Using Single-Wall Carbon Nanotubes Based Electrodes. 2008 , 8, 1497-1507	18
1774	Engineering Hybrid Nanotubes Wires for Efficient O2 Electroreduction in Physiological Conditions. 2009 ,	

(2009-2009)

1773	Nanotechnology: A Tool for Improved Performance on Electrochemical Screen-Printed (Bio)Sensors. 2009 , 2009, 1-13		34
1772	Carbon Nanotube-Based Electrochemical Sensors: Principles and Applications in Biomedical Systems. 2009 , 2009, 1-40		89
1771	Carbon nanowalls as material for electrochemical transducers. 2009 , 95, 014104		40
1770	Plasma-activated multi-walled carbon nanotube-polystyrene composite substrates for biosensing. 2009 , 20, 335501		29
1769	Glucose Biosensors Based on Vertically-Aligned Multi-Walled Carbon Nanotubes. 2009 , 1204, 1		3
1768	The Chemistry of Single-Walled Nanotubes. 2009 , 34, 950-961		14
1767	Bio-inspired photo-electronic material based on photosynthetic proteins. 2009,		2
1766	Microfluidic and Label-Free Multi-Immunosensors Based on Carbon Nanotube Microelectrodes. 2009 , 48, 06FJ02		14
1765	Electrochemical detection of carbidopa using a ferrocene-modified carbon nanotube paste electrode. 2009 , 74, 1443-1453		18
1764	Biosensor Capture Kinetics Model of Nanocube-Augmented Carbon Nanotube Networks. 2009 , 1236, 1		
1763	A New Theoretical Model of a Carbon Nanotube Strain Sensor. 2009 , 26, 080701		39
1762	Adsorption of ciprofloxacin and its role for stabilizing multi-walled carbon nanotubes and characterization. 2009 , 63, 1830-1833		15
1761	Advances in Bioapplications of Carbon Nanotubes. 2009 , 21, 139-152		323
1760	Nanotopographic Carbon Nanotube Thin-Film Substrate Freezes Lateral Motion of Secretory Vesicles. 2009 , 21, 790-793		20
1759	The Role of the Oxygen/Water Redox Couple in Suppressing Electron Conduction in Field-Effect Transistors. 2009 , 21, 3087-3091		258
1758	Electrochemical Sensor Prepared from Molecularly Imprinted Polymer for Recognition of 1,3-Dinitrobenzene (DNB). 2009 , 27, 2043-2048		17
1757	Fifty Years of Nucleic Acid Electrochemistry. <i>Electroanalysis</i> , 2009 , 21, 239-251	3	78
1756	Investigation of a DNA-Based Biosensor with Chitosan-Carbon Nanotubes Interface by Cyclic and Elimination Voltammetry. <i>Electroanalysis</i> , 2009 , 21, 563-572	3	14

1755	Electrodeposition of TiO2 Nanoparticles on Multiwalled Carbon Nanotube Arrays for Hydrogen Peroxide Sensing. <i>Electroanalysis</i> , 2009 , 21, 988-993	3	155
1754	Electrochemistry and Adsorptive Stripping Voltammetric Determination of Amoxicillin on a Multiwalled Carbon Nanotubes Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2009 , 21, 1577-1586	3	45
1753	Glucosinolate Amperometric Bienzyme Biosensor Based on Carbon Nanotubes-Gold Nanoparticles Composite Electrodes. <i>Electroanalysis</i> , 2009 , 21, 1527-1532	3	6
1752	Detection of Trace Heavy Metal Ions Using Carbon Nanotube- Modified Electrodes. <i>Electroanalysis</i> , 2009 , 21, 1597-1603	3	142
1751	Electroanalysis of Dopamine at RuO2 Modified Vertically Aligned Carbon Nanotube Electrode. <i>Electroanalysis</i> , 2009 , 21, 1811-1815	3	41
1750	Detection of Uric Acid in the Presence of Dopamine and High Concentration of Ascorbic Acid Using PDDA Modified Graphite Electrode. <i>Electroanalysis</i> , 2009 , 21, 2198-2206	3	42
1749	Carbon nanotube/poly(ethylene-co-vinyl acetate) composite electrode for capillary electrophoretic determination of esculin and esculetin in Cortex Fraxini. 2009 , 30, 3419-26		35
1748	Kinetic limitations of a bioelectrochemical electrode using carbon nanotube-attached glucose oxidase for biofuel cells. 2009 , 104, 1068-74		40
1747	Carbon nanotube clusters as universal bacterial adsorbents and magnetic separation agents. 2010 , 26, 179-85		10
1746	Immobilization of the hyperthermophilic hydrogenase from Aquifex aeolicus bacterium onto gold and carbon nanotube electrodes for efficient H2 oxidation. 2009 , 14, 1275-88		69
1745	Electrocatalytic reduction of NAD+ at glassy carbon electrode modified with single-walled carbon nanotubes and Ru(III) complexes. 2009 , 13, 485-496		14
1744	A biosensing platform based on horseradish peroxidase immobilized onto chitosan-wrapped single-walled carbon nanotubes. 2009 , 13, 791-798		27
1743	Modification of carbon paste with congo red supported on multi-walled carbon nanotube for voltammetric determination of uric acid in the presence of ascorbic acid. 2009 , 13, 1567-1575		18
1742	Catalyzed chemical vapor deposition of one-dimensional nanostructures and their applications. 2009 , 55, 1-21		22
1741	Self-assembled microstructure of carbon nanotubes for enzymeless glucose sensor. 2009 , 136, 444-450	1	80
1740	Preparation of multiwalled carbon nanotube-chitosan-alcohol dehydrogenase nanobiocomposite for amperometric detection of ethanol. 2009 , 138, 518-523		68
1739	Adsorption of glucose oxidase at platinum-multiwalled carbon nanotube-alumina-coated silica nanocomposite for amperometric glucose biosensor. 2009 , 141, 592-598		67
1738	Improving the detection of hydrogen peroxide of screen-printed carbon paste electrodes by modifying with nonionic surfactants. 2009 , 653, 71-6		7

(2009-2009)

1737	Recent advances in NADH electrochemical sensing design. 2009 , 76, 126-34	155
1736	Hydrogen peroxide biosensor based on direct electrochemistry of soybean peroxidase immobilized on single-walled carbon nanohorn modified electrode. 2009 , 24, 1159-63	58
1735	D-fructose detection based on the direct heterogeneous electron transfer reaction of fructose dehydrogenase adsorbed onto multi-walled carbon nanotubes synthesized on platinum electrode. 2009 , 24, 1184-8	69
1734	A DNA biosensor based on the detection of doxorubicin-conjugated Ag nanoparticle labels using solid-state voltammetry. 2009 , 25, 282-7	68
1733	Simultaneous electrochemical determination of uric acid, dopamine, and ascorbic acid at single-walled carbon nanohorn modified glassy carbon electrode. 2009 , 25, 940-3	188
1732	Electrocatalytic studies of Cytochrome c functionalized single walled carbon nanotubes on self-assembled monolayer of 4-ATP on gold. 2009 , 627, 63-68	17
1731	Direct electrochemistry of cytochrome c at a novel gold nanoparticles-attached NH2+ ions implantation-modified indium tin oxide electrode. 2009 , 633, 273-278	15
1730	Sensitive and multiplexed detection of proteomic antigens via quantum dot aggregation. 2009 , 5, 402-9	17
1729	Electrochemistry and electrocatalysis of hemoglobin on multi-walled carbon nanotubes modified carbon ionic liquid electrode with hydrophilic EMIMBF4 as modifier. 2009 , 54, 4141-4148	72
1728	Carbon Nanotubes in Biology and Medicine: In vitro and in vivo Detection, Imaging and Drug Delivery. 2009 , 2, 85-120	1329
1728 1727		1329 44
	Delivery. 2009 , 2, 85-120	
1727	Delivery. 2009 , 2, 85-120 Top-down processed silicon nanowire transistor arrays for biosensing. 2009 , 206, 426-434 Layer-by-layer assemblies of chitosan/multi-wall carbon nanotubes and glucose oxidase for	44
1727 1726	Top-down processed silicon nanowire transistor arrays for biosensing. 2009, 206, 426-434 Layer-by-layer assemblies of chitosan/multi-wall carbon nanotubes and glucose oxidase for amperometric glucose biosensor applications. 2009, 29, 346-349 Electroless plated gold as a support for carbon nanotube electrodes. 2009, 54, 3191-3198 Direct electrochemistry of quanosine on multi-walled carbon nanotubes modified carbon ionic	44 45
1727 1726 1725	Delivery. 2009, 2, 85-120 Top-down processed silicon nanowire transistor arrays for biosensing. 2009, 206, 426-434 Layer-by-layer assemblies of chitosan/multi-wall carbon nanotubes and glucose oxidase for amperometric glucose biosensor applications. 2009, 29, 346-349 Electroless plated gold as a support for carbon nanotube electrodes. 2009, 54, 3191-3198 Direct electrochemistry of guanosine on multi-walled carbon nanotubes modified carbon ionic	44 45 18
1727 1726 1725	Top-down processed silicon nanowire transistor arrays for biosensing. 2009, 206, 426-434 Layer-by-layer assemblies of chitosan/multi-wall carbon nanotubes and glucose oxidase for amperometric glucose biosensor applications. 2009, 29, 346-349 Electroless plated gold as a support for carbon nanotube electrodes. 2009, 54, 3191-3198 Direct electrochemistry of guanosine on multi-walled carbon nanotubes modified carbon ionic liquid electrode. 2009, 54, 4105-4110	44 45 18
1727 1726 1725 1724 1723	Top-down processed silicon nanowire transistor arrays for biosensing. 2009, 206, 426-434 Layer-by-layer assemblies of chitosan/multi-wall carbon nanotubes and glucose oxidase for amperometric glucose biosensor applications. 2009, 29, 346-349 Electroless plated gold as a support for carbon nanotube electrodes. 2009, 54, 3191-3198 Direct electrochemistry of guanosine on multi-walled carbon nanotubes modified carbon ionic liquid electrode. 2009, 54, 4105-4110 Flexible electrochemical biosensors based on O2 plasma functionalized MWCNT. 2009, 517, 3883-3887 Silver nanoparticles in multiwalled carbon nanotube lafion for surface-enhanced Raman	44 45 18 37 32
1727 1726 1725 1724 1723	Top-down processed silicon nanowire transistor arrays for biosensing. 2009, 206, 426-434 Layer-by-layer assemblies of chitosan/multi-wall carbon nanotubes and glucose oxidase for amperometric glucose biosensor applications. 2009, 29, 346-349 Electroless plated gold as a support for carbon nanotube electrodes. 2009, 54, 3191-3198 Direct electrochemistry of guanosine on multi-walled carbon nanotubes modified carbon ionic liquid electrode. 2009, 54, 4105-4110 Flexible electrochemical biosensors based on O2 plasma functionalized MWCNT. 2009, 517, 3883-3887 Silver nanoparticles in multiwalled carbon nanotube Nafion for surface-enhanced Raman scattering chemical sensor. 2009, 138, 5-8 Application of functionalised carbon nanotubes immobilised into chitosan films in amperometric	44 45 18 37 32 34

1719	Silver nanoparticles modified carbon nanotube paste electrode for simultaneous determination of dopamine and ascorbic acid. 2009 , 633, 85-91	125
1718	Amperometric biosensor based on carbon nanotubes coated with polyaniline/dendrimer-encapsulated Pt nanoparticles for glucose detection. 2009 , 29, 1306-1310	55
1717	Fabrication of amperometric xanthine biosensors based on direct chemistry of xanthine oxidase. 2009 , 29, 2213-2216	27
1716	Vibrating carbon nanotube based bio-sensors. 2009 , 42, 104-109	143
1715	Preparation and photocatalytic ability of highly defective carbon nanotubes. 2009 , 182, 2521-2525	45
1714	Recent progress in the development of nano-structured conducting polymers/nanocomposites for sensor applications. 2009 , 136, 275-286	423
1713	Selective analysis of reduced thiols with a novel bionanomultilayer biosensor based on the inhibition principle. 2009 , 135, 642-649	9
1712	Dispersions, novel nanomaterial sensors and nanoconjugates based on carbon nanotubes. 2009 , 150, 63-89	79
1711	A highly performing electrochemical sensor for NADH based on graphite/poly(methylmethacrylate) composite electrode. 2009 , 11, 343-346	22
1710	Graphene modified basal and edge plane pyrolytic graphite electrodes for electrocatalytic oxidation of hydrogen peroxide and Ehicotinamide adenine dinucleotide. 2009 , 11, 2153-2156	140
1709	Fabrication of the single-wall carbon nanotube compound polymer film electrode and the simultaneous electrochemical behavior of aminophenol isomers. 2009 , 54, 7531-7535	33
1708	Recent advances in material science for developing enzyme electrodes. 2009 , 24, 2313-22	223
1707	Status of biomolecular recognition using electrochemical techniques. 2009 , 24, 2749-65	245
1706	Hydrogen peroxide biosensor based on the direct electrochemistry of myoglobin immobilized on silver nanoparticles doped carbon nanotubes film. 2009 , 24, 2149-54	133
1705	Investigations on copper-titanate intercalation materials for amperometric sensor. 2009 , 24, 2404-9	19
1704	Nanostructured materials for electrochemiluminescence (ECL)-based detection methods: recent advances and future perspectives. 2009 , 24, 3191-200	302
1703	Enzyme-modified nanoporous gold-based electrochemical biosensors. 2009 , 24, 3014-8	135
1702	Functionalized carbon nanotube-bienzyme biocomposite for amperometric sensing. 2009 , 47, 957-966	55

(2009-2009)

1701	multiwalled carbon nanotubes/room temperature ionic liquid for amperometric determination of hydrogen peroxide. 2009 , 386, 256-61	35
1700	A carbon nanotubes assisted strategy for insulin detection and insulin proteolysis assay. 2009 , 650, 49-53	35
1699	Electrochemistry at carbon nanotubes: perspective and issues. 2009 , 6886-901	255
1698	Metallic impurities within residual catalyst metallic nanoparticles are in some cases responsible for "electrocatalytic" effect of carbon nanotubes. 2009 , 4, 554-60	86
1697	Carbon nanofibers and carbon nanotubes in regenerative medicine. 2009 , 61, 1097-114	355
1696	Polymer interfaces used in electrochemical DNA-based biosensors. 2009 , 63, 1-14	15
1695	Pt Nanoparticles Inserting in Carbon Nanotube Arrays: Nanocomposites for Glucose Biosensors. 2009 , 113, 13482-13487	158
1694	Tryptophan repressor-binding proteins from Escherichia coli and Archaeoglobus fulgidus as new catalysts for 1,4-dihydronicotinamide adenine dinucleotide-dependent amperometric biosensors and biofuel cells. 2009 , 81, 4082-8	16
1693	High-sensitive glutamate biosensor based on NADH at Lauth's violet/multiwalled carbon nanotubes composite film on gold substrates. 2009 , 113, 1511-6	14
1692	First-Principles Study of Chemisorption of Oxygen and Aziridine on Graphitic Nanostructures. 2009 , 113, 14721-14726	20
1691	The Effect of Network Density on the DNA-Sensing Performance of Single-Walled Carbon Nanotubes. 2009 , 113, 21566-21571	6
1690	Carbon Nanotube-Filled Nanofibrous Membranes Electrospun from Poly(acrylonitrile-co-acrylic acid) for Glucose Biosensor. 2009 , 113, 2955-2960	61
1689	Direct Electrochemistry of Hemoglobin in Chitosan/Multiwalled Carbon Nanotubes/Ionic LiquidModified Carbon-Paste Electrode. 2009 , 42, 2460-2473	4
1688	A high sensitivity carbon nanotubes enhanced PZT diaphram-based immunosensor array. 2009,	
1687	Slow Diffusion Reveals the Intrinsic Electrochemical Activity of Basal Plane Highly Oriented Pyrolytic Graphite Electrodes. 2009 , 113, 9218-9223	49
1686	The nanomaterial characterization bottleneck. 2009 , 3, 2441-6	109
1685	Direct electrochemistry of catalase at multiwalled carbon nanotubes-nafion in presence of needle shaped DDAB for H2O2 sensor. 2009 , 78, 1414-21	36
1684	Label-free electrical detection using carbon nanotube-based biosensors. 2009 , 9, 5368-78	89

1683	Functional single-walled carbon nanotubes based on an integrin alpha v beta 3 monoclonal antibody for highly efficient cancer cell targeting. 2009 , 20, 105102	55
1682	Electrocatalytic activity of nitrogen-doped carbon nanotube cups. 2009 , 131, 13200-1	482
1681	Electrical contacting of redox enzymes by means of oligoaniline-cross-linked enzyme/carbon nanotube composites. 2009 , 25, 13978-83	30
1680	Electrogenerated chemiluminescence. 2009 , 2, 359-85	373
1679	Nanobioelectrochemistry. 2009 , 407-433	2
1678	Electrochemical biosensor of nanocube-augmented carbon nanotube networks. 2009 , 3, 37-44	210
1677	Coupling of Biocomputing Systems with Electronic Chips: Electronic Interface for Transduction of Biochemical Information. 2009 , 113, 2573-2579	52
1676	Size-Dependent Electrochemical Properties of Gold Nanorods. 2009 , 113, 13077-13087	28
1675	Direct electrochemistry and electrocatalysis of hemoglobin in nafion/carbon nanochip film on glassy carbon electrode. 2009 , 113, 15445-54	68
1674	NanoScience in Biomedicine. 2009 ,	9
1673	Adsorption of glucose oxidase onto single-walled carbon nanotubes and its application in layer-by-layer biosensors. 2009 , 81, 7917-25	104
1672	Sensors as tools for quantitation, nanotoxicity and nanomonitoring assessment of engineered nanomaterials. 2009 , 11, 1782-800	67
1671	Immobilization of Acetylcholinesterase onto Carbon Nanotubes Utilizing Streptavidin-biotin Interaction for the Construction of Amperometric Biosensors for Pesticides. 2009 , 42, 2711-2727	19
1670	Carbon nanotube/polysulfone soft composites: preparation, characterization and application for electrochemical sensing of biomarkers. 2009 , 11, 7721-8	19
1669	Fabrication of an amperometric bienzyme biosensing system with neutral red functionalized carbon nanotubes. 2009 , 134, 1618-22	18
1668	Sensitive and Selective Determination of Phenylhydrazine in the Presence of Hydrazine at a Ferrocene Monocarboxylic Acid Modified Carbon Nanotube Paste Electrode. 2009 , 43, 186-196	23
1667	Application of Tetrathiafulvalene-Modified Carbon Nanotubes to Preparation of Integrated	
	Mediating System for Bioelectrocatalytic Oxidation of Glucose. <i>Electroanalysis</i> , 2009 , 21, 351-359	24

(2010-2009)

Direct Electrochemistry of Hemoglobin and its Electrocatalysis Based on a Carbon Nanotube Electrode. 2009 , 56, 561-567	Paste 13
A novel cancer-targeting transporter with integrin ${\tt B}$ ${\tt B}$ monoclonal antibody functionalized single-walled carbon nanotubes. 2009 ,	
High Enzyme-Adsorptive Activity of a Cup-Stacked Carbon Nanotube and Its Application to Flow-Injection Analysis. 2009 , 58, 753-756	1
Fabrication of carbon-nanotube enhanced piezoelectric membrane for biosensor application. 6, 762	2009 , 1
1661 Electrochemical Detection of Proteins. 2009 ,	1
An Electrochemical Dopamine Sensor Based on a Flexible Conductive Film of Single-Wall Carb Nanotubes (SWCNT) on PET. 2010 ,	oon
1659 Biosensors: the new wave in cancer diagnosis. 2010 , 4, 1-10	89
1658 Carbon-Nanotube-Based Sensors. 2010 , 1-30	
Amperometric Biosensors in Food Processing, Safety, and Quality Control. 2010 , 1-51	
Prussian blue electrodeposited on nano Ag-coated multiwalled carbon nanotubes composite the determination of hydrogen peroxide. 2010 , 26, 343-7	for 11
Nano-molar level hydrogen peroxide detection by horseradish peroxidase adsorbed cup-stack carbon nanotube electrodes and applications to L-glutamate detection. 2010 , 26, 675-9	ked 8
1654 Pollution Prevention and Treatment Using Nanotechnology. 2010, 1	9
Effect of Surface-oxidized Structure of Single-walled Carbon Nanotubes on Heterogeneous D Electron-transfer Reaction of Cytochromec. 2010 , 39, 976-977	irect 5
$_{1652}$ Graphene-based materials in electrochemistry. 2010 , 39, 3157-80	1200
1651 Single-walled carbon nanohorns and their applications. 2010 , 2, 2538-49	247
1650 Nitrogen-doped graphene and its electrochemical applications. 2010 , 20, 7491	934
1649 Template-directed porous electrodes in electroanalysis. 2010 , 396, 261-72	97

1647	The increasing importance of carbon nanotubes and nanostructured conducting polymers in biosensors. 2010 , 398, 1575-89	70
1646	Smart electrochemical biosensors: From advanced materials to ultrasensitive devices. 2010 , 55, 4287-4295	48
1645	Amperometric bienzyme glucose biosensor based on carbon nanotube modified electrode with electropolymerized poly(toluidine blue O) film. 2010 , 55, 7055-7060	33
1644	Use of nanomaterials for impedimetric DNA sensors: a review. 2010 , 678, 7-17	151
1643	Arrayed CNT-Ni nanocomposites grown directly on Si substrate for amperometric detection of ethanol. 2010 , 26, 207-12	30
1642	Simultaneous electrochemical determination of dopamine and acetaminophen using multiwall carbon nanotubes modified glassy carbon electrode. 2010 , 146, 314-320	220
1641	Electrocatalytic reduction of hydrogen peroxide by silver particles patterned on single-walled carbon nanotubes. 2010 , 150, 436-441	87
1640	Kraft lignin as dispersing agent for carbon nanotubes. 2010 , 638, 178-181	30
1639	Reduced working electrode based on fullerene C60 nanotubes@DNA: Characterization and application. 2010 , 175, 159-163	29
1638	Electrochemistry of bilirubin oxidase at carbon nanotubes. 2010 , 14, 249-254	16
1637	Direct electron transfer of cytochrome C and its electrocatalytic properties on multiwalled carbon nanotubes/ciprofloxacin films. 2010 , 14, 2129-2135	20
1636	Novel carboxylation treatment and characterization of multiwalled carbon nanotubes for simultaneous sensitive determination of adenine and guanine in DNA. 2010 , 169, 33-40	32
1635	Simultaneous determination of cadmium(II), lead(II) and copper(II) by using a screen-printed electrode modified with mercury nano-droplets. 2010 , 169, 321-326	70
1634	Development of glucose sensor using two-photon adsorbed photopolymerization. 2010 , 33, 47-53	5
1633	Comparison of the sensitivity of thiolated aptamer based biosensor according to the condition of electrode substrates. 2010 , 4, 141-147	5
1632	Calibration of reaction parameters for the improvement of thermal stability and crystalline quality of multi-walled carbon nanotubes. 2010 , 45, 783-792	14
1631	Cellobiose dehydrogenase: a versatile catalyst for electrochemical applications. 2010 , 11, 2674-97	164
1630	Understanding the Physicoelectrochemical Properties of Carbon Nanotubes: Current State of the Art. <i>Electroanalysis</i> , 2010 , 22, 7-19	63

(2010-2010)

1629	Synthesis of MnO2/MWNTs Nanocomposites Using a Sonochemical Method and Application for Hydrazine Detection. <i>Electroanalysis</i> , 2010 , 22, 1123-1129	3	22
1628	Simultaneous Determination of Ascorbic Acid, Dopamine and Uric Acid at Pt Nanoparticles Decorated Multiwall Carbon Nanotubes Modified GCE. <i>Electroanalysis</i> , 2010 , 22, 1106-1114	3	109
1627	Graphene Based Electrochemical Sensors and Biosensors: A Review. <i>Electroanalysis</i> , 2010 , 22, 1027-103	363	2430
1626	An Amphiphilic Polymer- and Carbon Nanotube-Modified Indium Tin Oxide Electrode for Sensitive Electrochemical DNA Detection with Low Nonspecific Binding. <i>Electroanalysis</i> , 2010 , 22, 2615-2619	3	10
1625	Analytical Potentialities of Carbon Nanotube/Silicone Rubber Composite Electrodes: Determination of Propranolol. <i>Electroanalysis</i> , 2010 , 22, 2776-2783	3	22
1624	Enhanced Direct Electron Transfer of a Multihemic Nitrite Reductase on Single-walled Carbon Nanotube Modified Electrodes. <i>Electroanalysis</i> , 2010 , 22, 2973-2978	3	25
1623	Electrochemical Performance of Graphene as Effected by Electrode Porosity and Graphene Functionalization. <i>Electroanalysis</i> , 2010 , 22, 2834-2841	3	87
1622	Tailoring the Electrical Properties of Carbon Nanotube P olymer Composites. 2010 , 20, 4062-4068		116
1621	Nanoporous scaffold with immobilized enzymes during flow-induced gelation for sensitive H(2)O(2) biosensing. 2010 , 22, 2809-13		20
1620	Nanomaterial-Based Electrochemical Biosensors and Bioassays. 2010 , 61-88		
1619	Modified multiwall carbon nanotubes paste electrode as a sensor for simultaneous determination of 6-thioguanine and folic acid using ferrocenedicarboxylic acid as a mediator. 2010 , 640, 75-83		229
1618	Kinetics of oxygen reduction on gold nanoparticle/multi-walled carbon nanotube hybrid electrodes in acid media. 2010 , 642, 6-12		13
1617	Electrochemistry of glucose oxidase immobilized on carbon nanotubes noncovalently functionalized by multihydroxyl and multicarboxyl groups. 2010 , 642, 92-97		18
1616	The thermo-mechanical vibration of a single-walled carbon nanotube studied using the Bubnov L alerkin method. 2010 , 43, 375-381		20
1615	Emerging synergy between nanotechnology and implantable biosensors: a review. 2010 , 25, 1553-65		284
1614	Thin film pyrolytic carbon electrodes: A new class of carbon electrode for electroanalytical sensing applications. 2010 , 12, 1034-1036		22
1613	Simultaneous voltammetric determination of ascorbic acid, acetaminophen and isoniazid using thionine immobilized multi-walled carbon nanotube modified carbon paste electrode. 2010 , 55, 666-67	7 2	126
1612	A highly selective amperometric sensor for ascorbic acid based on mesopore-rich active carbon-modified pyrolytic graphite electrode. 2010 , 55, 2799-2804		48

1611	A novel hydrogen peroxide biosensor based on Augraphene RPB hitosan biocomposites. 2010 , 55, 3055-3060	329
1610	In situ growth of copper nanoparticles on multiwalled carbon nanotubes and their application as non-enzymatic glucose sensor materials. 2010 , 55, 3734-3740	190
1609	Preparation and modification of carbon nanotubes electrodes by cold plasmas processes toward the preparation of amperometric biosensors. 2010 , 55, 7916-7922	16
1608	Simultaneous determination of ascorbic acid, dopamine and uric acid by use of a MWCNT modified carbon-ceramic electrode and differential pulse voltammetry. 2010 , 55, 5492-5498	146
1607	Direct electrochemistry and electrocatalysis of hemoglobin with carbon nanotube-ionic liquid-chitosan composite materials modified carbon ionic liquid electrode. 2010 , 55, 5959-5965	53
1606	Electrophoretically deposited nano-structured polyaniline film for glucose sensing. 2010 , 519, 1145-1150	31
1605	Carbon nanotubes Ehitosan nanobiocomposite for immunosensor. 2010 , 519, 1160-1166	36
1604	Single-walled carbon nanotubes modified carbon ionic liquid electrode for sensitive electrochemical detection of rutin. 2010 , 519, 928-933	43
1603	Carbon nanotube supported platinum nanoparticles for the voltammetric sensing of hydrazine. 2010 , 147, 222-227	33
1602	Characterization of thiol-functionalized carbon nanotubes on gold surfaces. 2010 , 604, 1414-1419	20
1601	Direct electrochemical detection of DNA methylation for retinoblastoma and CpG fragments using a nanocarbon film. 2010 , 405, 59-66	47
1600	Polytyrosine as an electroactive label for signal amplification in electrochemical immunosensors. 2010 , 659, 109-14	19
1599	Surface modification of indium tin oxide films by amino ion implantation for the attachment of multi-wall carbon nanotubes. 2010 , 257, 752-755	2
1598	In situ synthesis of biomolecule encapsulated gold-cross-linked poly(ethylene glycol) nanocomposite as biosensing platform: a model study. 2010 , 79, 211-7	23
1597	Carbon nanotubes as electrode modifier promoting direct electron transfer from Shewanella oneidensis. 2010 , 25, 1248-51	156
1596	A novel organophosphorus hydrolase-based biosensor using mesoporous carbons and carbon black for the detection of organophosphate nerve agents. 2010 , 25, 1566-70	108
1595	Ionic-liquid/NH2-MWCNTs as a highly sensitive nano-composite for catalase direct electrochemistry. 2010 , 25, 1301-6	74
1594	A highly sensitive nonenzymatic glucose sensor based on CuO nanoparticles-modified carbon nanotube electrode. 2010 , 25, 1402-7	553

1593	Layer-by-layer assembly sensitive electrochemical sensor for selectively probing L-histidine based on molecular imprinting sol-gel at functionalized indium tin oxide electrode. 2010 , 26, 696-702	71
1592	Impedimetric immunosensor based on SWCNT-COOH modified gold microelectrodes for label-free detection of deep venous thrombosis biomarker. 2010 , 26, 1278-82	43
1591	Specific biosensing using carbon nanotubes functionalized with gold nanoparticleIntibody conjugates. 2010 , 48, 479-486	35
1590	Fabrication of thin-film electrochemical sensors from single-walled carbon nanotubes by vacuum filtration. 2010 , 48, 1345-1352	19
1589	Solubilization of carbon nanotubes by cellulose xanthate toward the fabrication of enhanced amperometric detectors. 2010 , 48, 1380-1387	19
1588	Poly-xanthurenic acid as an efficient mediator for the electrocatalytic oxidation of NADH. 2010 , 12, 450-454	36
1587	Preparation of a solgel-derived carbon nanotube ceramic electrode by microwave irradiation and its application for the determination of adenine and guanine. 2010 , 55, 1090-1096	42
1586	Chemically immobilised carbon nanotubes on silicon: Stable surfaces for aqueous electrochemistry. 2010 , 55, 3995-4001	20
1585	Electrochemical Sensing of H[sub 2]O[sub 2] at Flavin Adenine Dinucleotide/Chitosan/CNT Nanocomposite Modified Electrode. 2010 , 13, K83	9
1584	Electrochemical glucose biosensor of platinum nanospheres connected by carbon nanotubes. 2010 , 4, 312-9	43
1583	Bias-dependent amino-acid-induced conductance changes in short semi-metallic carbon nanotubes. 2010 , 21, 015202	18
1582	Stable and sensitive flow-through monitoring of phenol using a carbon nanotube based screen printed biosensor. 2010 , 21, 245502	15
1581	Driving Forces and Consequences of the Adsorption of Proteins to Carbon Nanotubes. 2010 , 441, 75-94	2
1580	A Novel Amperometric Hydrogen Peroxide Biosensor Based on Horseradish Peroxidase Incorporated in Organically Modified Sol-Gel Glass Matrix/Graphite Paste with Multiwalled Carbon Nanotubes. 2010 , 43, 2019-2030	14
1579	GPTS functionalized carbon nanotubes integrated with PZT sensors for detection of anti-goat IgG. 2010 ,	
1578	Dynamic terahertz polarization in single-walled carbon nanotubes. 2010 , 82,	21
1577	Single-electron memory based on floating-gated carbon nanotube field-effect transistors. 2010,	
1576	Peptide modified SWNT array-based copper sensor. 2010 ,	

1575	Nanomaterials as analytical tools for genosensors. 2010 , 10, 963-93	57
1574	Protein Viability on Au Nanoparticles during an Electrospray and Electrostatic-Force-Directed Assembly Process. 2010 , 2010, 1-6	
1573	Single-Hole Charging and Discharging Phenomena in Carbon Nanotube Field-Effect-Transistor-Based Nonvolatile Memory. 2010 , 49, 06GG13	9
1572	Electrochemical Nucleation and Growth of Gold Nanoparticles on Single-Walled Carbon Nanotubes: New Mechanistic Insights. 2010 , 114, 13241-13248	69
1571	Electrochemistry. 53-75	
1570	Towards a high potential biocathode based on direct bioelectrochemistry between horseradish peroxidase and hierarchically structured carbon nanotubes. 2010 , 12, 10088-92	35
1569	Functionalization of Carbon Nanotubes for Nanoelectronic and Photovoltaic Applications. 2010, 333-363	1
1568	Raman Scattering of Single-Walled Carbon Nanotubes in Early Growth Stages Using Laser-Irradiated Chemical Vapor Deposition. 2010 , 49, 06GJ03	3
1567	Honeycomb carbon: a review of graphene. 2010 , 110, 132-45	5411
1566	Quantitative lateral flow immunosensor using carbon nanotubes as label. 2010 , 2, 1819	26
	Quantitative lateral flow immunosensor using carbon nanotubes as label. 2010 , 2, 1819 Carbon nanofiber based electrochemical biosensors: A review. 2010 , 2, 202	26 190
1565		
1565	Carbon nanofiber based electrochemical biosensors: A review. 2010 , 2, 202	190
1565 1564 1563	Carbon nanofiber based electrochemical biosensors: A review. 2010 , 2, 202 Prospects of nanotechnology in clinical immunodiagnostics. 2010 , 10, 6535-81 Aligned diamond nano-wires: Fabrication and characterisation for advanced applications in bio- and electrochemistry. 2010 , 19, 186-189	190
1565 1564 1563 1562	Carbon nanofiber based electrochemical biosensors: A review. 2010 , 2, 202 Prospects of nanotechnology in clinical immunodiagnostics. 2010 , 10, 6535-81 Aligned diamond nano-wires: Fabrication and characterisation for advanced applications in bio- and electrochemistry. 2010 , 19, 186-189	190 43 78
1565 1564 1563 1562	Carbon nanofiber based electrochemical biosensors: A review. 2010 , 2, 202 Prospects of nanotechnology in clinical immunodiagnostics. 2010 , 10, 6535-81 Aligned diamond nano-wires: Fabrication and characterisation for advanced applications in bio- and electrochemistry. 2010 , 19, 186-189 The calibration of carbon nanotube based bionanosensors. 2010 , 107, 124322	190 43 78 62
1565 1564 1563 1562	Carbon nanofiber based electrochemical biosensors: A review. 2010, 2, 202 Prospects of nanotechnology in clinical immunodiagnostics. 2010, 10, 6535-81 Aligned diamond nano-wires: Fabrication and characterisation for advanced applications in bio- and electrochemistry. 2010, 19, 186-189 The calibration of carbon nanotube based bionanosensors. 2010, 107, 124322 Facile and controllable electrochemical reduction of graphene oxide and its applications. 2010, 20, 743-748	190 43 78 62 702

(2011-2010)

1557	Fabrication and biosensing with CNT/aligned mesostructured silica core-shell nanowires. 2010 , 2, 2767-72	25
1556	Preferential Biofunctionalization of Carbon Nanotubes Grown by Microwave Plasma-Enhanced CVD. 2010 , 114, 9596-9602	7
1555	Free transverse vibration of an axially loaded non-prismatic single-walled carbon nanotube embedded in a two-parameter elastic medium. 2010 , 50, 742-751	56
1554	ProteinNanodiamond Complexes for Cellular Surgery. 2010 , 189-224	2
1553	DNA-based nanostructures for molecular sensing. 2010 , 2, 188-97	53
1552	Introduction to Carbon Nanotubes. 2010 , 47-118	13
1551	Engineering hybrid nanotube wires for high-power biofuel cells. 2010 , 1, 2	164
1550	Facile synthesis and novel electrocatalytic performance of nanostructured NiAl layered double hydroxide/carbon nanotube composites. 2010 , 20, 3944	127
1549	DNA-incorporating nanomaterials in biotechnological applications. 2010 , 5, 319-34	28
1548	The use of microwave plasma-assisted CVD on nanostructured iron catalysts to grow isolated bundles of carbon nanotubes. 2010 , 21, 065708	5
1547	Current investigations into carbon nanotubes for biomedical application. 2010 , 5, 22001	103
1546	Electrocatalytic reduction of oxygen at ordered mesoporous carbon functionalized with tetrathiafulvalene. 2010 , 135, 621-9	21
1545	Detection of monoclonal antibodies using chemically modified graphite substrates. 2010,	1
1544	A multi-walled carbon nanotube/poly(urea-formaldehyde) composite prepared by in situ polycondensation for enhanced electrochemical sensing. 2010 , 34, 453	20
1543	A water-soluble carbon nanotube network conjugated by nanoparticles with defined nanometre gaps. 2011 , 47, 3475-7	20
1542	Functional groups modulate the sensitivity and electron transfer kinetics of neurochemicals at carbon nanotube modified microelectrodes. 2011 , 136, 3557-65	77
1541	Voltammetric characterization of a fully integrated, patterned single walled carbon nanotube three-electrode system on a glass substrate. 2011 , 136, 1910-5	7
1540	Surface Amplification of L-Glutamate Using a Patterned Bienzymatic System for Biosensing Applications. 2011 , 10, 102-110	2

1539	Protein-Promoted Synthesis of Pt Nanoparticles on Carbon Nanotubes for Electrocatalytic Nanohybrids with Enhanced Glucose Sensing. 2011 , 115, 11453-11460	54
1538	Healing of a Vacancy Defect in a Single-Walled Carbon Nanotube by Carbon Monoxide Disproportionation. 2011 , 115, 4649-4655	22
1537	Toward low-cost biomanufacturing through in vitro synthetic biology: bottom-up design. 2011 , 21, 18877	56
1536	Functionalized Carbon Nanotubes: (X-CNTs). 2011 , 113-161	0
1535	Influence of gold nanoparticle size (2-50 nm) upon its electrochemical behavior: an electrochemical impedance spectroscopic and voltammetric study. 2011 , 13, 4980-6	57
1534	Biosensors based on combined optical and electrochemical transduction for molecular diagnostics. 2011 , 11, 533-46	21
1533	Solid carbon nanorod whiskers: application to the electrochemical sensing of biologically relevant molecules. 2011 , 1, 93	8
1532	Immobilization of enzymes onto carbon nanotubes. 2011 , 65, 423-430	2
1531	Functionalization and Solubilization of Carbon and Inorganic Nanostructures. 2011, 445-490	4
1530	Biosensors for Biogenic Amines: The Present State of Art Mini-Review. 2011 , 44, 2821-2833	33
1530 1529	Biosensors for Biogenic Amines: The Present State of Art Mini-Review. 2011 , 44, 2821-2833 Nanostructured catalysts in fuel cells. 2011 , 21, 4027-4036	33 184
1529		
1529	Nanostructured catalysts in fuel cells. 2011 , 21, 4027-4036	184
1529 1528	Nanostructured catalysts in fuel cells. 2011 , 21, 4027-4036 Superoxide radical biosensor based on a nano-composite containing cytochrome c. 2011 , 136, 3803-8 A comparative study of enzyme immobilization strategies for multi-walled carbon nanotube	184
1529 1528 1527	Nanostructured catalysts in fuel cells. 2011 , 21, 4027-4036 Superoxide radical biosensor based on a nano-composite containing cytochrome c. 2011 , 136, 3803-8 A comparative study of enzyme immobilization strategies for multi-walled carbon nanotube glucose biosensors. 2011 , 22, 355502 A facile approach for quantifying the density of defects (edge plane sites) of carbon nanomaterials	184 20 69
1529 1528 1527 1526	Nanostructured catalysts in fuel cells. 2011, 21, 4027-4036 Superoxide radical biosensor based on a nano-composite containing cytochrome c. 2011, 136, 3803-8 A comparative study of enzyme immobilization strategies for multi-walled carbon nanotube glucose biosensors. 2011, 22, 355502 A facile approach for quantifying the density of defects (edge plane sites) of carbon nanomaterials and related structures. 2011, 13, 1210-3 Multi-wall carbon nanotubes as a sensor and ferrocene dicarboxylic acid as a mediator for	184 20 69 29
1529 1528 1527 1526	Nanostructured catalysts in fuel cells. 2011, 21, 4027-4036 Superoxide radical biosensor based on a nano-composite containing cytochrome c. 2011, 136, 3803-8 A comparative study of enzyme immobilization strategies for multi-walled carbon nanotube glucose biosensors. 2011, 22, 355502 A facile approach for quantifying the density of defects (edge plane sites) of carbon nanomaterials and related structures. 2011, 13, 1210-3 Multi-wall carbon nanotubes as a sensor and ferrocene dicarboxylic acid as a mediator for voltammetric determination of glutathione in hemolysed erythrocyte. 2011, 3, 2637	184 20 69 29 60

1521	Bioconjugation Protocols. 2011 ,	5
1520	Deformable single wall carbon nanotube electrode for transparent tactile touch screen. 2011 , 47, 118	11
1519	Graphene oxide for electrochemical sensing applications. 2011 , 21, 14725	85
1518	Electrochemistry on Carbon-Nanotube-Modified Surfaces. 2011 , 117-168	
1517	Physics and applications of aligned carbon nanotubes. 2011 , 60, 553-678	108
1516	Non-invasive tools for measuring metabolism and biophysical analyte transport: self-referencing physiological sensing. 2011 , 40, 5308-20	37
1515	Electrochemical properties of a fully integrated, singlewalled carbon nanotube coplanar three-electrode system on glass substrate. 2011 , 83, 1476-81	4
1514	A hyaluronic acid dispersed carbon nanotube electrode used for a mediatorless NADH sensing and biosensing. 2011 , 84, 355-61	49
1513	Functionalization of graphene with electrodeposited Prussian blue towards amperometric sensing application. 2011 , 85, 76-81	72
1512	A novel urea conductometric biosensor based on zeolite immobilized urease. 2011 , 85, 1435-41	43
1511	Selective detection of dopamine in the presence of uric acid using a gold nanoparticles-poly(luminol) hybrid film and multi-walled carbon nanotubes with incorporated Exyclodextrin modified glassy carbon electrode. 2011 , 85, 2344-51	76
1510	Carbon nanotubes: engineering biomedical applications. 2011 , 104, 175-245	37
1509	Enzymatic biosensors based on SWCNT-conducting polymer electrodes. 2011 , 136, 1279-87	110
1508	Graphene based RF/microwave impedance sensing of DNA. 2011,	3
1507	Sensors for water safety and security. 2011 ,	3
1506	Origins of Green Analytical Chemistry. 2011 , 57, 1-23	14
1505	Development of Tunable Nanocomposites Made from Carbon Nanotubes for Electrochemical Applications. 2011 ,	
1504	. 2011,	14

1503 Electrochemical Biosensing with Carbon Nanotubes. 2011,

1502	Carbon Nanotubes as Suitable Electrochemical Platforms for Metalloprotein Sensors and Genosensors. 2011 ,	
1501	Multiwall Carbon Nanotube Modified Electrochemical Sensor for Reactive Black 5. 2011 , 02, 814-819	2
1500	Use of engineered unique cysteine residues to facilitate oriented coupling of proteins directly to a gold substrate. 2011 , 87, 1050-7	18
1499	Label-free protein detection based on vertically aligned carbon nanotube gated field-effect transistors. 2011 , 160, 154-160	8
1498	Electron transfer kinetics at single-walled carbon nanotube paper: The role of band structure. 2011 , 44, 470-475	18
1497	Hydrogenases as catalysts for fuel cells: Strategies for efficient immobilization at electrode interfaces. 2011 , 56, 10385-10397	88
1496	Glassy carbon electrode modified with a bilayer of multi-walled carbon nanotube and polypyrrole doped with new coccine: Application to the sensitive electrochemical determination of Sumatriptan. 2011 , 56, 10032-10038	21
1495	Electrocatalytic oxidation of NADH on a glassy carbon electrode modified with MWCNT-Pd nanoparticles and poly 3,4-ethylenedioxypyrrole. 2011 , 56, 10077-10082	27
1494	A cyclodextrin host-guest recognition approach to an electrochemical sensor for simultaneous quantification of serotonin and dopamine. 2011 , 26, 4674-80	102
1493	Recent advances in graphene-based biosensors. 2011 , 26, 4637-48	1025
1492	Simultaneous and sensitive determination of a quaternary mixture of AA, DA, UA and Trp using a modified GCE by iron ion-doped natrolite zeolite-multiwall carbon nanotube. 2011 , 28, 56-63	143
1491	Detection of ricin using a carbon nanofiber based biosensor. 2011 , 28, 428-33	30
1490	Field-effect amperometric immuno-detection of protein biomarker. 2011 , 29, 210-4	16
1489	Sugar-Functionalized Carbon Nanotubes: Unique Properties and Interactions with Biological Species. 2011 , 123-141	О
1488	Graphene-based biosensor using transport properties. 2011 , 83,	59
1487	Direct electro-deposition of graphene from aqueous suspensions. 2011 , 13, 9187-93	172
1486	Nanostructured materials for water desalination. 2011 , 22, 292001	465

1485	Chapter 1:Cardon Nanotudes. 2011 , 1-242	2
1484	Development of ultrasensitive surfactants doped poly(3,4-ethylenedioxythiophene)/multiwalled carbon nanotube sensor for the detection of pyrethroids and an organochlorine pesticide. 2011 , 41, 29-37	20
1483	A novel zeolite-multiwalled carbon nanotube composite for the electroanalysis of copper(II) ion. 2011 , 41, 909-917	9
1482	Chitosan matrices modified with carbon nanotubes for use in mediated microbial biosensing. 2011 , 173, 537-542	15
1481	Electrochemical investigation of a glassy carbon electrode modified with carbon nanotubes decorated with (poly)crystalline gold. 2011 , 175, 97-104	5
1480	Multi-walled carbon nanotubes as electrode materials for electrochemical studies of organometallic compounds in organic solvent media. 2011 , 142, 233-242	19
1479	Microfluidic-based biosensors toward point-of-care detection of nucleic acids and proteins. 2011 , 10, 231-247	178
1478	Carbon nanotubes/pentacyaneferrate-modified chitosan nanocomposites platforms for reagentless glucose biosensing. 2011 , 401, 883-9	13
1477	Functionalized-graphene modified graphite electrode for the selective determination of dopamine in presence of uric acid and ascorbic acid. 2011 , 81, 104-8	111
1476	Investigation of the effects of design parameters on sensitivity of surface plasmon resonance biosensors. 2011 , 6, 147-156	8
1475	Preparation, characterization, and electrocatalytic performance of graphene-methylene blue thin films. 2011 , 4, 124-130	34
1474	Electrochemical Detection of Copper Using a Gly-Gly-His Modified Carbon Nanotube Biosensor. 2011 , 3, 163-171	23
1473	Current trends in nanobiosensor technology. 2011 , 3, 229-46	95
1472	Emerging applications of nanotechnology for the diagnosis and management of vulnerable atherosclerotic plaques. 2011 , 3, 620-46	14
1471	Determination of carbohydrates in Folium Lysium Chinensis using capillary electrophoresis combined with far-infrared light irradiation-assisted extraction. 2011 , 34, 3272-8	14
1470	Nanomaterials as Promising DNA Biosensors. 2011 , 247-254	
1469	Enzyme-Based Biosensors: Synthesis and Applications. 2011 , 95-115	1
1468	Nonenzymatic Electrochemical Glucose Sensor Based on Novel Copper Film. <i>Electroanalysis</i> , 2011 , 23, 395-401	68

1467	Electrochemical Patterning of Palladium Nanoparticles on a Single-Walled Carbon Nanotube Platform and Its Application to Glucose Detection. <i>Electroanalysis</i> , 2011 , 23, 2087-2093	11
1466	A Glassy Carbon Electrode Modified with Glucose Oxidase and MWCNT-Palladium Nanoparticles for the Determination of Glucose. <i>Electroanalysis</i> , 2011 , 23, 2103-2108	8
1465	Nanobioelectroanalysis Based on Carbon/Inorganic Hybrid Nanoarchitectures. <i>Electroanalysis</i> , 2011 , 23, 1289-1300	57
1464	Recording the Reaction Process of Loop-Mediated Isothermal Amplification (LAMP) by Monitoring the Voltammetric Response of 2?-Deoxyguanosine 5?-Triphosphate. <i>Electroanalysis</i> , 2011 , 23, 2438-2445 ³	12
1463	A Carbon Nanotube Layered Electrode for the Construction of the Wired Bilirubin Oxidase Oxygen Cathode. <i>Electroanalysis</i> , 2011 , 23, 2941-2948	6
1462	Direct Electrochemistry and Electrocatalysis of Hemoglobin Based on Nafion-Room Temperature Ionic Liquids-Multiwalled Carbon Nanotubes Composite Film. 2011 , 29, 685-690	11
1461	Spatially Oriented and Reversible Surface Assembly of Single-Walled Carbon Nanotubes: A Strategy Based on Interactions. 2011 , 123, 7212-7216	1
1460	Spatially oriented and reversible surface assembly of single-walled carbon nanotubes: a strategy based on IIInteractions. 2011 , 50, 7074-8	10
1459	Facile preparation of carbon nanotube/poly(ethyl 2-cyanoacrylate) composite electrode by water-vapor-initiated polymerization for enhanced amperometric detection. 2011 , 17, 12458-64	9
1458	Molecular scale bioelectrochemistry. 2011 , 255, 1970-1980	17
1457	A self referencing platinum nanoparticle decorated enzyme-based microbiosensor for real time measurement of physiological glucose transport. 2011 , 26, 2237-45	71
1456	Electrochemical immunosensor for casein based on gold nanoparticles and poly(L-Arginine)/multi-walled carbon nanotubes composite film functionalized interface. 2011 , 26, 3469-74	78
1455	Highly stable and sensitive glucose biosensor based on covalently assembled high density Au nanostructures. 2011 , 26, 3845-51	67
1454	Deposition of new thia-containing Schiff-base iron (III) complexes onto carbon nanotube-modified glassy carbon electrodes as a biosensor for electrooxidation and determination of amino acids. 2011 , 56, 1051-1061	36
1453	Preparation and characterization of a graphite electrode containing carbon nanotubes grown in situ by flame synthesis. 2011 , 56, 5205-5209	2
1452	Ion-exchange adsorption of copper(II) ions on functionalized single-wall carbon nanotubes immobilized on a glassy carbon electrode. 2011 , 56, 1082-1088	11
1451	Study on electroactive and electrocatalytic surfaces of single walled carbon nanotube-modified electrodes. 2011 , 56, 2464-2470	90

	carbon electrode for the determination of hydrogen peroxide in beverages. 2011 , 126, 2005-9	45
1448	Evolution of mechanical, optical and electrical properties of self-assembled mesostructured phenolic resins during carbonization. 2011 , 138, 86-93	17
1447	Direct electron transfer and electrocatalysis of hemoglobin immobilized on graphene P t nanocomposite. 2011 , 657, 28-33	51
1446	Zeptogram scale mass sensing using single walled carbon nanotube based biosensors. 2011 , 168, 275-280	41
1445	Critical buckling temperature of single-walled carbon nanotubes embedded in a one-parameter elastic medium based on nonlocal continuum mechanics. 2011 , 43, 1185-1191	60
1444	Synthesis and characterization of soluble multi-walled carbon nanotube/poly(organophosphazene) composites. 2011 , 52, 1241-1248	18
1443	Electrochemical immunosensor for salbutamol detection based on CS-Fe3O4-PAMAM-GNPs nanocomposites and HRP-MWCNTs-Ab bioconjugates for signal amplification. 2011 , 156, 71-78	37
1442	Photoelectrocatalytic regeneration of NADH at poly(4,4?-diaminodiphenyl sulfone)/nano TiO2 composite film modified indium tin oxide electrode. 2011 , 156, 84-94	17
1441	Synthetic control over the structure and symmetry of carbon nanotubes: Towards biomedical applications. 2011 , 1297, 29	1
1440	Carbohydrate Detection Using Nanostructured Biosensing. 2011 , 393-424	2
1439	Design and fabrication of a high-performance electrochemical glucose sensor. 2011 , 5, 1044-51	29
1438	Design of Carbon Nanotube Modified Conducting Polymer for Biosensing Applications. 2011 , 48, 503-508	15
1438 1437	Design of Carbon Nanotube Modified Conducting Polymer for Biosensing Applications. 2011 , 48, 503-508 Carbon Nanotube Array for Addressable Nano-Bioelectronic Transducers. 2011 , 11, 1274-1283	15
.5	Carbon Nanotube Array for Addressable Nano-Bioelectronic Transducers. 2011 , 11, 1274-1283	15 1
1437	Carbon Nanotube Array for Addressable Nano-Bioelectronic Transducers. 2011 , 11, 1274-1283	
1437	Carbon Nanotube Array for Addressable Nano-Bioelectronic Transducers. 2011 , 11, 1274-1283 Evaluation of Graphene and Graphene Derivatives for RF-Impedance Based Sensing. 2011 , 1303, 117	1
1437 1436 1435	Carbon Nanotube Array for Addressable Nano-Bioelectronic Transducers. 2011 , 11, 1274-1283 Evaluation of Graphene and Graphene Derivatives for RF-Impedance Based Sensing. 2011 , 1303, 117 Gas-Phase Growth of Heterostructures of Carbon Nanotubes and Bimetallic Nanowires. 2011 , 2011, 1-7 D-(+)-galactose-conjugated single-walled carbon nanotubes as new chemical probes for	1

1431	Introduction of Bifunctional Group onto MWNT by Radiation-Induced Graft Polymerization and Its Use as Biosensor-Supporting Materials. 2012 , 2012, 1-8	3
1430	Biomarker discovery by novel sensors based on nanoproteomics approaches. 2012 , 12, 2284-308	49
1429	Carbon nanotubes grown on glass fiber as a strain sensor for real time structural health monitoring. 2012 , 3, 162-168	19
1428	Recent advances in intracellular and in vivo ROS sensing: focus on nanoparticle and nanotube applications. 2012 , 13, 10660-79	47
1427	Effect of edge passivation on electronic and transport properties of carbon nanotube-based molecular devices. 2012 , 100, 57001	2
1426	Carbon Nanotube-Based Floating Gate Memories with High-\$k\$ Dielectrics. 2012 , 51, 06FD11	
1425	Plasma-Etching of Spray-Coated Single-Walled Carbon Nanotube Films for Biointerfaces. 2012 , 51, 08HE02	
1424	Surface modification of goldflarbon nanotube nanohybrids under the influence of near-infrared laser exposure. 2012 , 30, 03D119	
1423	Nanotechnology-based approaches for rapid detection of chemical and biological contaminants in foods. 2012 , 317-334	1
1422	Electrochemical biosensors for medical applications. 2012 , 3-40	15
1422 1421		15
1421		15 11
1421	Gold Nanocomposite Biosensors. 2012,	
1421 1420	Gold Nanocomposite Biosensors. 2012, Opportunities in nano-structured metal oxides based biosensors. 2012, 358, 012007 Complementary voltage inverters with large noise margin based on carbon nanotube field-effect transistors with SiNx top-gate insulators. 2012, 30, 03D108	11
1421 1420 1419	Gold Nanocomposite Biosensors. 2012, Opportunities in nano-structured metal oxides based biosensors. 2012, 358, 012007 Complementary voltage inverters with large noise margin based on carbon nanotube field-effect transistors with SiNx top-gate insulators. 2012, 30, 03D108	11 7
1421 1420 1419 1418	Gold Nanocomposite Biosensors. 2012, Opportunities in nano-structured metal oxides based biosensors. 2012, 358, 012007 Complementary voltage inverters with large noise margin based on carbon nanotube field-effect transistors with SiNx top-gate insulators. 2012, 30, 03D108 Biosensors - classification, characterization and new trends. 2012, 5, 109-120 Directed enzyme deposition via electroactive polymer-based nanomaterials for multi-analyte amperometric biosensors. 2012,	11 7
1421 1420 1419 1418	Gold Nanocomposite Biosensors. 2012, Opportunities in nano-structured metal oxides based biosensors. 2012, 358, 012007 Complementary voltage inverters with large noise margin based on carbon nanotube field-effect transistors with SiNx top-gate insulators. 2012, 30, 03D108 Biosensors - classification, characterization and new trends. 2012, 5, 109-120 Directed enzyme deposition via electroactive polymer-based nanomaterials for multi-analyte amperometric biosensors. 2012, Horseradish Peroxidase Immobilization on Amine Functionalized Carbon Nano Tubes: Direct	11 7 127

1413	Lab-on-a-chip sensor for measuring Zn by stripping voltammetry. 2012 ,	2
1412	Peroxidase-modified cup-stacked carbon nanofiber networks for electrochemical biosensing with adjustable dynamic range. 2012 , 2, 1444-1449	20
1411	Nanotechnologies for society. New designs and applications of nanosensors and nanobiosensors in medicine and environmental analysis. 2012 , 9, 746	13
1410	Self-assembled Peptide and Protein Nanostructures in Diagnosis. 2012 , 50-67	
1409	Electrochemical determination of cadmium and lead on pristine single-walled carbon nanotube electrodes. 2012 , 28, 699-704	32
1408	Lipid bilayers covalently anchored to carbon nanotubes. 2012 , 28, 8174-82	13
1407	A cyclodextrin host-guest recognition approach to a label-free electrochemical DNA hybridization biosensor. 2012 , 137, 1860-5	33
1406	Simultaneous detection of ultratrace lead and copper with gold nanoparticles patterned on carbon nanotube thin film. 2012 , 137, 1888-94	33
1405	Comparison of free-solution and surface-immobilized molecular interactions using a single platform. 2012 , 84, 10817-22	20
1404	Biosensors for Pesticide Detection: New Trends. 2012 , 03, 210-232	140
1404	Biosensors for Pesticide Detection: New Trends. 2012, 03, 210-232 Highly sensitive amperometric sensor for carbamazepine determination based on electrochemically reduced graphene oxideBingle-walled carbon nanotube composite film. 2012, 173, 274-280	140 67
1403	Highly sensitive amperometric sensor for carbamazepine determination based on electrochemically	
1403	Highly sensitive amperometric sensor for carbamazepine determination based on electrochemically reduced graphene oxideBingle-walled carbon nanotube composite film. 2012 , 173, 274-280	67
1403	Highly sensitive amperometric sensor for carbamazepine determination based on electrochemically reduced graphene oxidelingle-walled carbon nanotube composite film. 2012, 173, 274-280 Electrochemical Biosensors Fabricated with Polyelectrolyte Microspheres. 2012, 159, B783-B788 Electrochemical immunosensors for detection of cancer protein biomarkers. 2012, 6, 6546-61	67
1403 1402 1401	Highly sensitive amperometric sensor for carbamazepine determination based on electrochemically reduced graphene oxidelingle-walled carbon nanotube composite film. 2012, 173, 274-280 Electrochemical Biosensors Fabricated with Polyelectrolyte Microspheres. 2012, 159, B783-B788 Electrochemical immunosensors for detection of cancer protein biomarkers. 2012, 6, 6546-61	67 7 515
1403 1402 1401 1400	Highly sensitive amperometric sensor for carbamazepine determination based on electrochemically reduced graphene oxideBingle-walled carbon nanotube composite film. 2012, 173, 274-280 Electrochemical Biosensors Fabricated with Polyelectrolyte Microspheres. 2012, 159, B783-B788 Electrochemical immunosensors for detection of cancer protein biomarkers. 2012, 6, 6546-61 Quantitative Analysis of Bioactive NAD+ Regenerated by NADH Electro-oxidation. 2012, 2, 2572-2576 Screen-printed single-walled carbon nanotube networks and their use for dimethyl	67 7 515 18
1403 1402 1401 1400	Highly sensitive amperometric sensor for carbamazepine determination based on electrochemically reduced graphene oxideBingle-walled carbon nanotube composite film. 2012, 173, 274-280 Electrochemical Biosensors Fabricated with Polyelectrolyte Microspheres. 2012, 159, B783-B788 Electrochemical immunosensors for detection of cancer protein biomarkers. 2012, 6, 6546-61 Quantitative Analysis of Bioactive NAD+ Regenerated by NADH Electro-oxidation. 2012, 2, 2572-2576 Screen-printed single-walled carbon nanotube networks and their use for dimethyl methylphosphonate detection. 2012, 23, 1823-1829 Electrochemical Responses and Sensitivities of Films Based on Multi-Walled Carbon Nanotubes in	67 7 515 18
1403 1402 1401 1400 1399	Highly sensitive amperometric sensor for carbamazepine determination based on electrochemically reduced graphene oxidelingle-walled carbon nanotube composite film. 2012, 173, 274-280 Electrochemical Biosensors Fabricated with Polyelectrolyte Microspheres. 2012, 159, B783-B788 Electrochemical immunosensors for detection of cancer protein biomarkers. 2012, 6, 6546-61 Quantitative Analysis of Bioactive NAD+ Regenerated by NADH Electro-oxidation. 2012, 2, 2572-2576 Screen-printed single-walled carbon nanotube networks and their use for dimethyl methylphosphonate detection. 2012, 23, 1823-1829 Electrochemical Responses and Sensitivities of Films Based on Multi-Walled Carbon Nanotubes in Aqueous Solutions. 2012, 41, 2047-2057 Evaluation of the Potentialities of a Carbon Nanotubes/Silicone Rubber Composite Electrode in the	67 7 515 18 1

1395	A promising dehydrogenase-based bioanode for a glucose biosensor and glucose/O2 biofuel cell. 2012 , 137, 2233-8	21
1394	Ultrasensitive detection of the reduced form of nicotinamide adenine dinucleotide based on carbon nanotube field effect transistor. 2012 , 137, 3328-34	8
1393	Hybrid structure of pH-responsive hydrogel and carbon nanotube array with superwettability. 2012 , 22, 2449-2455	30
1392	A templating effect of carbon nanomaterials on the synthesis of Pd nanoparticles by covalent grafting onto surface O-groups. 2012 , 22, 14479	15
1391	Vibration analysis of nanotubes conveying fluid based on gradient elasticity theory. 2012 , 18, 313-320	24
1390	Characterization of the Electrocatalytic Response of Monolayer-Modified Electrodes with Square-Wave Voltammetry. 2012 , 116, 11206-11215	10
1389	Kinetic and Mechanistic Parameters of Laccase Catalyzed Direct Electrochemical Oxygen Reduction Reaction. 2012 , 2, 38-44	78
1388	Flow cytometry-based evaluation and enrichment of multiwalled carbon nanotube dispersions. 2012 , 28, 4939-47	4
1387	Application of Carbon Nanotubes in the Extraction and Electrochemical Detection of Organophosphate Pesticides: A Review. 2012 , 45, 783-803	19
1386	Electroanalytical properties of screen printed graphite microband electrodes. 2012 , 169, 136-143	41
1385	Electrochemical determination of NADH based on MPECVD carbon nanosheets. 2012, 99, 487-91	16
1384	A critical review of glucose biosensors based on carbon nanomaterials: carbon nanotubes and graphene. 2012 , 12, 5996-6022	368
1383	Electrochemistry of nucleic acids. 2012 , 112, 3427-81	521
1382	Properties and Applications of Aligned Carbon Nanotube Arrays. 2012 , 183-253	
1381	Cobalt hexacyanoferrate modified multi-walled carbon nanotubes/graphite composite electrode as electrochemical sensor on microfluidic chip. 2012 , 710, 118-24	61
1380	Electrochemical and thermodynamic properties of hexacyanoferrate(II)/(III) redox system on multi-walled carbon nanotubes. 2012 , 54, 35-40	10
1379	Structural transformation of carbon electrodes for simultaneous determination of dihydroxybenzene isomers. 2012 , 21, 73-76	10
1378	Electrochemical deposition of gold nanoparticles on carbon nanotube coated glassy carbon electrode for the improved sensing of tinidazole. 2012 , 78, 422-429	29

(2012-2012)

1377	utilizing nanocomposite. 2012 , 23, 238-244	39
1376	A disposable biosensor based on immobilization of laccase with silica spheres on the MWCNTs-doped screen-printed electrode. 2012 , 6, 103	46
1375	Supramolecular immobilization of xanthine oxidase on electropolymerized matrix of functionalized hybrid gold nanoparticles/single-walled carbon nanotubes for the preparation of electrochemical biosensors. 2012 , 4, 4312-9	51
1374	Functionalized Carbon Nanotubes and Their Enhanced Polymers. 2012 , 439-478	4
1373	Sensors for water safety and security. 2012 , 48, 478-486	6
1372	Enhanced adhesion between carbon nanotubes and substrate surfaces by low-temperature annealing. 2012 , 61, 2096-2099	1
1371	Electrochemical analysis based on nanoporous structures. 2012 , 137, 3891-903	91
1370	Fully integrated biochip platforms for advanced healthcare. 2012 , 12, 11013-60	57
1369	Electrochemical Biosensors Based on Carbon Nanotubes. 2012,	1
1368	Dispersion of multiwalled carbon nanotubes in water using ionic-complementary peptides. 2012 , 28, 12550-6	25
1367	Dynamic Electrochemistry Transduction Methods. 2012 , 258-313	
1366	Carbon nanotubes and metalloporphyrins and metallophthalocyanines-based materials for electroanalysis. 2012 , 16, 713-740	39
1365	Synthesis of enzyme mimics of iron telluride nanorods for the detection of glucose. 2012 , 48, 4079-81	56
1364	Carbon nanotubes for stem cell control. 2012 , 15, 312-318	32
1363	Nanoproteomics enabling personalized nanomedicine. 2012 , 64, 1522-31	34
1362	Electrochemistry of olanzapine and risperidone at carbon nanotubes modified gold electrode through classical and DFT approaches. 2012 , 683, 103-111	32
1361	Hydrogen peroxide monitoring in Fenton reaction by using a ruthenium oxide hexacyanoferrate/multiwalled carbon nanotubes modified electrode. 2012 , 686, 1-6	17
1360	Magneto-controlled electrochemical immunoassay of brevetoxin B in seafood based on guanine-functionalized graphene nanoribbons. 2012 , 38, 86-93	45

1359	Scano-magneto immunoassay based on carbon nanotubes/gold nanoparticles nanocomposite for Salmonella enterica serovar Typhimurium detection. 2012 , 38, 157-62	19
1358	An aqueous media based approach for the preparation of a biosensor platform composed of graphene oxide and Pt-black. 2012 , 38, 314-20	69
1357	Synthesis of CuO/graphene nanocomposites for nonenzymatic electrochemical glucose biosensor applications. 2012 , 82, 152-157	185
1356	Electrochemical sensing of label free DNA hybridization related to breast cancer 1 gene at disposable sensor platforms modified with single walled carbon nanotubes. 2012 , 82, 137-142	58
1355	Electrophoretically deposited carbon nanotubes as a novel support for electrogenerated silicallehydrogenase bioelectrodes. 2012 , 83, 359-366	15
1354	Electrochemical DNA sensors based on electropolymerized materials. 2012 , 102, 137-55	33
1353	Graphene in combination with cucurbit[n]urils as electrode modifiers for electroanalytical biomolecules sensing. 2012 , 101, 135-40	23
1352	Carbon nanotubes architectures in electroanalysis. 2012 , 32, 683-689	24
1351	Carbon nanotube-based membranes: Fabrication and application to desalination. 2012 , 18, 1551-1559	144
1350	Fabrication of carbon nanotube-based pH sensor for paper-based microfluidics. 2012 , 100, 1-5	40
1349	Nanomaterials for Sensing Applications: Introduction and Perspective. 2012 , 1-16	4
1348	DNA Sensors Employing Nanomaterials for Diagnostic Applications. 2012 , 189-216	1
1347	Electrostatic Potentials and Local Ionization Energies in Nanomaterial Applications. 2012, 233-256	0
1346	Electrochemical Characterization of Streptavidin-HRP Immobilized on Multiwall Carbon Nanotubes for Biosensor Applications. 2012 , 03, 31-36	5
1345	Simple Method for Preparing Glucose Biosensor Based on Glucose Oxidase in Nanocomposite Material of Single-Wall Carbon Nanotubes/Ionic Liquid. 2012 , 02, 54-59	
1344	Carbon. 2012 , 41-79	
1343	Nanomaterial Applications in Chemical Sensors. 2012 , 135-156	2
1342	Electrocatalytic oxidation of captopril on a vinylferrocene modified carbon nanotubes paste electrode. 2012 , 4, 1332	14

1341	Recent progress in the design of nanofiber-based biosensing devices. 2012 , 12, 2612-20	88
1340	Graphene oxide integrated sensor for electrochemical monitoring of mitomycin C-DNA interaction. 2012 , 137, 2129-35	66
1339	Electrophoretic Deposition of Carbon Nanotubes on Silicon Substrates. 2012 , 41, 3130-3138	10
1338	Amperometric vitamin C biosensor based on the immobilization of ascorbate oxidase into the biocompatible sandwich-type composite film. 2012 , 167, 2023-38	10
1337	Layer-by-layer self-assembling copper tetrasulfonated phthalocyanine on carbon nanotube modified glassy carbon electrode for electro-oxidation of 2-mercaptoethanol. 2012 , 526, 256-260	12
1336	Multi-walled carbon nanotubes/electro-copolymerized cobalt nanoparticles-poly(pivalic acid) composite film coated glassy carbon electrode for the determination of methimazole. 2012 , 171-172, 1216-1221	13
1335	Hydrogen peroxide sensor based on a stainless steel electrode coated with multi-walled carbon nanotubes modified with magnetite nanoparticles. 2012 , 179, 329-335	6
1334	Electropolymerized network of polyamidoamine dendron-coated gold nanoparticles as novel nanostructured electrode surface for biosensor construction. 2012 , 137, 342-8	29
1333	Technological Innovations in Sensing and Detection of Chemical, Biological, Radiological, Nuclear Threats and Ecological Terrorism. 2012 ,	4
1332	Spontaneous Deposition of Prussian Blue on Multi-Walled Carbon Nanotubes and the Application in an Amperometric Biosensor. 2012 , 2, 428-444	22
1331	Conjugated polyelectrolyte complexes with single-walled carbon nanotubes for amperometric detection of glucose with inherent anti-interference properties. 2012 , 22, 9147	20
1330	Improving the signal-to-noise ratio of an ECL-based sensor using ad hoc carbon nanotube electrodes. 2012 , 22, 074010	6
1329	Electrocatalytic determination of oxalic acid by TiO2 nanoparticles/multiwalled carbon nanotubes modified electrode. 2012 , 4, 3314	20
1328	Carbon Nanotubes as Platforms for Biosensors with Electrochemical and Electronic Transduction. 2012 ,	10
1327	Novel Nanocarbons for Adsorption. 2012 , 3-34	11
1326	Nafion-CNT coated carbon-fiber microelectrodes for enhanced detection of adenosine. 2012 , 137, 3045-51	59
1325	Nonenzymatic H2O2 Sensor Based on Pt Nanoflower Electrode. 2012 , 23, 1061-1068	21
1324	Design of Intelligent Surface Modifications and Optimal Liquid Handling for Nanoscale Bioanalytical Sensors. 2012 , 71-122	3

1323	Application of Surface Plasmon Resonance Based on a Metal Nanoparticle. 2012,	2
1322	. 2012,	4
1321	Two faces of carbon nanotube: toxicities and pharmaceutical applications. 2012 , 29, 65-88	24
1320	Voltammetry of carbon nanotubes and graphenes: excitement, disappointment, and reality. 2012 , 12, 201-13	98
1319	Plasma Processing: Technology for the Batch Fabrication of Carbon Nanotube Film Electrodes for Biointerfaces. 2012 , 9, 873-883	6
1318	Comparison of biosensors based on gold and nanocomposite electrodes for monitoring of malic acid in wine. 2012 , 10, 157-164	11
1317	Rational design of surface/interface chemistry for quantitative in vivo monitoring of brain chemistry. 2012 , 45, 533-43	129
1316	Architecture of DNAMultiwalled Carbon NanotubesBilver Nanoparticles CompositesModified Glassy Carbon Electrode for Hydrogen Peroxide Detection. 2012 , 29, 59-63	3
1315	Composites of Ultrahigh-Molecular-Weight Polyethylene with Graphene Sheets and/or MWCNTs with Segregated Network Structure: Preparation and Properties. 2012 , 297, 437-443	100
1314	Determination of 6-mercaptopurine in the presence of uric acid using modified multiwall carbon nanotubes-TiO2 as a voltammetric sensor. 2012 , 4, 970-7	32
1313	Carbon Nanotubes Electrochemistry Allows the In Situ Evaluation of the Effect of Eheet Breakers on the Aggregation Process of Eamyloid. <i>Electroanalysis</i> , 2012 , 24, 938-944	13
1312	Glassy Carbon Electrodes Film-Modified with Acidic Functionalities. A Review. <i>Electroanalysis</i> , 2012 , 24, 1481-1500	34
1311	Study of Inhibition, Reactivation and Aging Processes of Pesticides Using Graphene Nanosheets/Gold Nanoparticles-Based Acetylcholinesterase Biosensor. <i>Electroanalysis</i> , 2012 , 24, n/a-n/a ³	2
1310	Immobilization technology: a sustainable solution for biofuel cell design. 2012 , 5, 5540-5563	140
1309	Simultaneous electrochemical determination of dopamine and paracetamol based on thin pyrolytic carbon films. 2012 , 4, 2048	74
1308	Electrochemical reduction of carbon dioxide in an MFC-MEC system with a layer-by-layer self-assembly carbon nanotube/cobalt phthalocyanine modified electrode. 2012 , 46, 5198-204	117
1307	Electrochemistry at carbon nanotube forests: sidewalls and closed ends allow fast electron transfer. 2012 , 48, 7435-7	34
1306	Radiolytic introduction of multiple functional groups to multiwalled carbon nanotubes and their application as biosensor supports. 2012 , 128, n/a-n/a	1

(2012-2012)

1305	Plasma-activated carbon nanotube-based high sensitivity immunosensors for monitoring Legionella pneumophila by direct detection of maltose binding protein peptidoglycan-associated lipoprotein (MBP-PAL). 2012 , 109, 1471-8	5
1304	Accelerating the electron transfer of choline oxidase using ionic-liquid/NH2-MWCNTs nano-composite. 2012 , 9, 111-119	12
1303	Preparation and self-assembly of chitosan/carbon microsphere composite. 2012, 27, 454-458	4
1302	Sensitive amperometric detection of omeprazole and pantoperazole at electrodeposited nickel oxide nanoparticles modified glassy carbon electrode. 2012 , 16, 1369-1375	16
1301	Poly(3,4-ethylenedioxythiophene methanol)/ascorbate oxidase/nafion-single-walled carbon nanotubes biosensor for voltammetric detection of Vitamin C. 2012 , 30, 460-469	16
1300	A fully microfabricated carbon nanotube three-electrode system on glass substrate for miniaturized electrochemical biosensors. 2012 , 14, 613-24	7
1299	Magnetic nanocomposite of anti-human IgG/COOH-multiwalled carbon nanotubes/FeDDs a platform for electrochemical immunoassay. 2012 , 421, 446-53	59
1298	Characteristics of third-generation glucose biosensors based on Corynascus thermophilus cellobiose dehydrogenase immobilized on commercially available screen-printed electrodes working under physiological conditions. 2012 , 425, 36-42	41
1297	Enhanced enzyme activity through electron transfer between single-walled carbon nanotubes and horseradish peroxidase. 2012 , 50, 1303-1310	19
1296	Preparation of a carbon nanotube-copper nanoparticle hybrid by chemical reduction for use in the electrochemical sensing of carbohydrates. 2012 , 50, 2563-2570	42
1295	Smart microcapsules containing nonpolar chemical compounds and carbon nanofibers. 2012 , 181-182, 813-822	15
1294	Single-walled carbon nanotubes-polymer modified graphite electrodes for DNA hybridization. 2012 , 91, 77-83	23
1293	Glassy carbon electrodes modified with hemin-carbon nanomaterial films for amperometric H2O2 and NO2ldetection. 2012 , 63, 37-46	36
1292	Influence of size and oxidative treatments of multi-walled carbon nanotubes on their electrocatalytic properties. 2012 , 62, 163-171	69
1291	Electrochemical behaviors of roxithromycin at poly(3,4-ethylenedioxythiophene) modified gold electrode and its electrochemical determination. 2012 , 72, 179-185	16
1290	Nanobiocomposite platform based on polyaniline-iron oxide-carbon nanotubes for bacterial detection. 2012 , 86, 30-7	45
1289	Fabrication of a modified electrode based on Fe(3)O(4)NPs/MWCNT nanocomposite: application to simultaneous determination of guanine and adenine in DNA. 2012 , 86, 78-86	55
1288	Nanoprobes for in⊡itro diagnostics of cancer and infectious diseases. 2012 , 33, 189-206	110

1287	High sensitivity carbon nanotube based electrochemiluminescence sensor array. 2012 , 31, 233-9		53
1286	Layer-by-layer self-assembly and electrochemistry: applications in biosensing and bioelectronics. 2012 , 31, 1-10		178
1285	Fabrication and application of amperometric glucose biosensor based on a novel PtPd bimetallic nanoparticle decorated multi-walled carbon nanotube catalyst. 2012 , 33, 75-81		114
1284	Immobilization strategies to develop enzymatic biosensors. 2012 , 30, 489-511		723
1283	A simple approach for DNA detection on carbon nanotube microelectrode arrays. 2012 , 162, 120-127		11
1282	Electrochemical immunoassay based on gold nanoparticles and reduced graphene oxide functionalized carbon ionic liquid electrode. 2012 , 103, 125-130		38
1281	Acetylcholinesterase inhibition-based biosensor for amperometric detection of Sarin using single-walled carbon nanotube-modified ferrule graphite electrode. 2012 , 166-167, 616-623		28
1280	Surface effect on buckling configuration of nanobeams containing internal flowing fluid: A nonlinear analysis. 2012 , 44, 808-812		32
1279	A novel method for coating of carbon nanotube on cellulose fiber using 1,2,3,4-butanetetracarboxylic acid as a cross-linking agent. 2012 , 74, 470-478		111
1278	Inversion gas chromatography in studies of adsorption properties of the surface of carbon materials: Dispersion component of the surface free energy. 2012 , 85, 364-370		2
1277	Single-Use Sensor Platforms Based on Carbon Nanotubes for Electrochemical Detection of DNA Hybridization Related to Microcystis spp <i>Electroanalysis</i> , 2012 , 24, 502-511	3	22
1276	Gold Electrode Modified with Self-Assembled Monolayer of Cysteamine-Functionalized MWCNT and Its Application in Simultaneous Determination of Dopamine and Uric Acid. <i>Electroanalysis</i> , 2012 , 24, 425-432	3	28
1275	NADH Oxidation Catalyzed by Electropolymerized Azines on Carbon Nanotube Modified Electrodes. <i>Electroanalysis</i> , 2012 , 24, 398-406	3	23
1274	Dehydrogenase-Based Reagentless Biosensors: Electrochemically Assisted Deposition of Sol-Gel Thin Films on Functionalized Carbon Nanotubes. <i>Electroanalysis</i> , 2012 , 24, 376-385	3	25
1273	Biofuel Cells for Self-Powered Electrochemical Biosensing and Logic Biosensing: A Review. <i>Electroanalysis</i> , 2012 , 24, 197-209	3	138
1272	Carbon nanotubes in biology and medicine: An overview. 2012 , 57, 167-180		22
1271	Voltammetric detection of synthetic water-soluble phenolic antioxidants using carbon nanotube based electrodes. 2012 , 16, 127-134		32
1270	Electrochemical detection of phenolic compounds using composite film of multiwall carbon nanotube/surfactant/tyrosinase on a carbon paste electrode. 2012 , 16, 473-479		30

1269	Design of a new hypoxanthine biosensor: xanthine oxidase modified carbon film and multi-walled carbon nanotube/carbon film electrodes. 2013 , 405, 3813-22	33
1268	Fabricated micro-nano devices for in vivo and in vitro biomedical applications. 2013 , 5, 544-68	18
1267	Modification of electrodes using conductive porous layers to confer selectivity for the voltammetric detection of paracetamol in the presence of ascorbic acid, dopamine and uric acid. 2013 , 185, 398-404	58
1266	Electrocatalytic oxidation and selective determination of an opioid analgesic methadone in the presence of acetaminophen at a glassy carbon electrode modified with functionalized multi-walled carbon nanotubes: application for human urine, saliva and pharmaceutical samples analysis. 2013 ,	31
1265	Electrochemical Behavior and Voltammetric Determination of Diclofenac at a Multi-Walled Carbon Nanotube-Ionic Liquid Composite Modified Carbon Ceramic Electrode. 2013 , 46, 1885-1896	12
1264	Nanomaterial-based electrochemical detection of explosives: a review of recent developments. 2013 , 5, 4296	78
1263	Rapid and direct determination of fructose in food: a new osmium-polymer mediated biosensor. 2013 , 140, 742-7	50
1262	Applications of Nanomaterials in Sensors and Diagnostics. 2013,	24
1261	Nickel hexacyanoferrate nanoparticles/nano silver coated multiwalled carbon nanotubes nanocomposite for the detection of hydrogen peroxide. 2013 , 68, 307-312	5
1260	Enhanced electrochemical detection performance of multiwall carbon nanotubes functionalized by aspartame. 2013 , 48, 5624-5632	7
1259	Towards smart tattoos: implantable biosensors for continuous glucose monitoring. 2013 , 2, 43-56	73
1258	Multi-walled carbon nanotube modified carbon paste electrode as an electrochemical sensor for the determination of epinephrine in the presence of ascorbic acid and uric acid. 2013 , 33, 3294-302	58
1257	Utilization of nanoparticle labels for signal amplification in ultrasensitive electrochemical affinity biosensors: a review. 2013 , 797, 1-12	96
1256	On the Electrochemical Response of Porous Functionalized Graphene Electrodes. 2013 , 117, 16076-16086	74
1255	Nanomaterials for bio-functionalized electrodes: recent trends. 2013 , 1, 4878-4908	260
1254	Cascadic multienzyme reaction-based electrochemical biosensors. 2014 , 140, 221-51	O
1253	Voltammetric and impedimetric DNA detection at single-use graphite electrodes modified with gold nanorods. 2013 , 112, 61-6	13
1252	Carbon paste electrode incorporating multi-walled carbon nanotube/ferrocene as a sensor for the electroanalytical determination of N-acetyl-L-cysteine in the presence of tryptophan. 2013 , 125, 283-289	13

1251	MWCNT-Modified Gold Electrode Sensor for the Determination of Propyl Gallate in Vegetable Oils. 2013 , 6, 775-780	29
1250	Increased redox-active peptide loading on carbon nanotube electrodes. 2013 , 89, 206-211	13
1249	Point-of-care nucleic acid detection using nanotechnology. 2013 , 5, 10141-54	65
1248	Electrochemical oxidation of dihydronicotinamide adenine dinucleotide at nitrogen-doped carbon nanotube electrodes. 2013 , 85, 9135-41	25
1247	Electric-double-layer field-effect transistors with ionic liquids. 2013 , 15, 8983-9006	262
1246	Potentiometric sensors using cotton yarns, carbon nanotubes and polymeric membranes. 2013 , 138, 5208-15	139
1245	Growth of gold nanowires on flexible substrate for highly sensitive biosensing: detection of thrombin as an example. 2013 , 1, 186-193	20
1244	Hydrazine detection by shape-controlled palladium nanostructures on carbon nanotube thin films. 2013 , 7, 156-163	6
1243	Improved electron field emission from metal grafted graphene composites. 2013, 62, 337-345	32
1242	Electrochemically reduced graphenegold nano particle composite on indium tin oxide for label free immuno sensing of estradiol. 2013 , 114, 590-597	25
1241	Fabrication of a magnet-assisted alignment device for the amperometric detection of capillary electrophoresis using a carbon nanotube/polypropylene composite electrode. 2013 , 34, 2017-24	8
1240	Graphene and Carbon Nanotube-based Electrochemical Biosensors for Environmental Monitoring. 2013 , 87-128	3
1239	Study of cytotoxic effects of single-walled carbon nanotubes functionalized with different chemical groups on human MCF7 cells. 2013 , 92, 576-82	18
1238	Sensor Arrays Based on Polycyclic Aromatic Hydrocarbons: Chemiresistors versus Quartz-Crystal Microbalance. 2013 , 5, 11641-53	34
1237	Electrochemical behavior of propranolol hydrochloride in neutral solution on calixarene/multi-walled carbon nanotubes modified glassy carbon electrode. 2013 , 709, 99-105	20
1236	Nanoenergy. 2013 ,	4
1235	Functionalized carbon nanotubes for bioelectrochemical applications: Critical influence of the linker. 2013 , 707, 129-133	8
1234	Toxicity analysis of graphene nanoflakes by cell-based electrochemical sensing using an electrode modified with nanocomposite of graphene and Nafion. 2013 , 188, 454-461	20

1233	Functionalization of multiwalled carbon nanotubes with S-valine amino acid and its reinforcement on amino acid-containing poly(amide-imide) bionanocomposites. 2013 , 25, 966-979		15
1232	Flexible gas sensor array with an embedded heater based on metal decorated carbon nanofibres. 2013 , 187, 401-406		64
1231	Nanoproteomics: a new sprout from emerging links between nanotechnology and proteomics. 2013 , 31, 99-107		34
1230	Carbon nanotubes as a novel tool for vaccination against infectious diseases and cancer. 2013 , 11, 30		39
1229	Fabrication of highly sensitive cysteine electrochemical sensor based on nanostructured compound and carbon nanotube modified electrode. 2013 , 49, 1127-1138		3
1228	Resorcinol-functionalized carbon nanoparticles with a stick-out nanostructure for stable hydrogen bonding with polyester microfibers. 2013 , 3, 19440		1
1227	Vertically-aligned Prussian blue/carbon nanotube nanocomposites on a carbon microfiber as a biosensing scaffold for ultrasensitively detecting glucose. 2013 , 410, 152-7		13
1226	An electrochemical sensing platform structured with carbon nanohorns for detecting some food borne contaminants. 2013 , 111, 57-63		27
1225	Adsorption of ammonia and water on functionalized edge-rich carbon nanofibers. 2013, 19, 143-159		6
1224	Bio-functionalization of multi-walled carbon nanotubes. 2013 , 15, 17158-64		9
1224	Bio-functionalization of multi-walled carbon nanotubes. 2013 , 15, 17158-64 Enzyme-Based Technologies: Perspectives and Opportunities. 2013 , 15-27		9
, i			9
1223	Enzyme-Based Technologies: Perspectives and Opportunities. 2013 , 15-27 Difference in the cooperative interaction between carbon nanotubes and Ru particles loaded on		
1223	Enzyme-Based Technologies: Perspectives and Opportunities. 2013, 15-27 Difference in the cooperative interaction between carbon nanotubes and Ru particles loaded on their internal/external surface. 2013, 3, 12641		9
1223	Enzyme-Based Technologies: Perspectives and Opportunities. 2013, 15-27 Difference in the cooperative interaction between carbon nanotubes and Ru particles loaded on their internal/external surface. 2013, 3, 12641 Cross-linked glucose oxidase clusters for biofuel cell anode catalysts. 2013, 5, 035009 Paper-based electroanalytical sensing platforms. 2013, 5, 103-110 Modified SWCNTs for Reagentless Glucose Biosensor: Electrochemical and Mathematical	3	9
1223 1222 1221 1220	Enzyme-Based Technologies: Perspectives and Opportunities. 2013, 15-27 Difference in the cooperative interaction between carbon nanotubes and Ru particles loaded on their internal/external surface. 2013, 3, 12641 Cross-linked glucose oxidase clusters for biofuel cell anode catalysts. 2013, 5, 035009 Paper-based electroanalytical sensing platforms. 2013, 5, 103-110 Modified SWCNTs for Reagentless Glucose Biosensor: Electrochemical and Mathematical	3	9 16 79
1223 1222 1221 1220	Enzyme-Based Technologies: Perspectives and Opportunities. 2013, 15-27 Difference in the cooperative interaction between carbon nanotubes and Ru particles loaded on their internal/external surface. 2013, 3, 12641 Cross-linked glucose oxidase clusters for biofuel cell anode catalysts. 2013, 5, 035009 Paper-based electroanalytical sensing platforms. 2013, 5, 103-110 Modified SWCNTs for Reagentless Glucose Biosensor: Electrochemical and Mathematical Characterization. Electroanalysis, 2013, 25, 166-173 Electrochemical activation of polyethyleneimine-wrapped carbon nanotubes/in situ formed gold nanoparticles functionalised nanocomposite sensor for high sensitive and selective determination	3	9 16 79

1215	Electrophoretic deposition of macroporous carbon nanotube assemblies for electrochemical applications. 2013 , 53, 302-312		14
1214	Carbon nanomaterials for electronics, optoelectronics, photovoltaics, and sensing. 2013 , 42, 2824-60		941
1213	Recent advances in electrochemical glucose biosensors: a review. 2013 , 3, 4473		557
1212	Fabrication of nanoporous thin-film working electrodes and their biosensing applications. 2013 , 42, 5-1	1	11
1211	Facile assembly of graphene on anion exchange resin microspheres for electrochemical sensing and biosensing. 2013 , 8, 191-7		5
1210	STM-based molecular junction of carbon nano-onion. 2013 , 14, 96-100		29
1209	One Step Deposition of Sol-Gel Carbon Nanotubes Biocomposite for Reagentless Electrochemical Devices. <i>Electroanalysis</i> , 2013 , 25, 85-93	3	15
1208	Electrocatalytic Activity of 3-Dimensional Ordered Macroporous Gold Electrode-Based Lactate Biosensors Platforms as a Function of Pore Layer Number. <i>Electroanalysis</i> , 2013 , 25, 179-188	3	5
1207	Synthesis of a conductive network of crosslinked carbon nanotube/hemoglobin on a thiol-modified Au surface and its application to biosensing. 2013 , 42, 273-9		29
1206	Development of bimetal-grown multi-scale carbon micro-nanofibers as an immobilizing matrix for enzymes in biosensor applications. 2013 , 33, 4313-22		14
1205	Visual optical biosensors based on DNA-functionalized polyacrylamide hydrogels. 2013 , 64, 292-8		35
1204	Nitrogen-doped carbon nanotubes synthesized on metal substrates from a single precursor. 2013 , 113, 114-117		5
1203	Fast-speed, high-sensitivity polyimide humidity sensors with superhydrophilic carbon nanotube network electrodes. 2013 , 185, 97-104		13
1202	Highly selective and sensitive detection of neurotransmitters using receptor-modified single-walled carbon nanotube sensors. 2013 , 24, 285501		32
1201	Optimization of Carbon Electrodes Derived from Epoxy-based Photoresist. 2013 , 160, B132-B137		38
1200	Electrochemical determination of nicotinamide adenine dinucleotide and hydrogen peroxide based on poly(xanthurenic acid), flavin adenine dinucleotide and functionalized multi-walled carbon nanotubes. 2013 , 184, 212-219		31
1199	Probing the surface chemistry of different oxidized MWCNT for the improved electrical wiring of cytochrome c nitrite reductase. 2013 , 35, 17-21		7
1198	Microfluidic integrated multi-walled carbon nanotube (MWCNT) sensor for electrochemical nucleic acid concentration measurement. 2013 , 185, 370-376		33

1197	Black silicon maskless templates for carbon nanotube forests. 2013 , 104, 110-113	4
1196	Geometrical effects of nanowire electrodes for amperometric enzyme biosensors. 2013 , 183, 222-229	4
1195	Graphene PEDOT: PSS on screen printed carbon electrode for enzymatic biosensing. 2013, 704, 208-213	54
1194	Lack of mutagenic effect by multi-walled functionalized carbon nanotubes in the somatic cells of Drosophila melanogaster. 2013 , 62, 355-60	14
1193	Electrochemical responses of carbon nanotubes-based films printed on polymer substances. 2013 , 19, 335-341	13
1192	Biosensors: sense and sensibility. 2013 , 42, 3184-96	992
1191	Electrocatalytic oxidation and determination of insulin at nickel oxide nanoparticles-multiwalled carbon nanotube modified screen printed electrode. 2013 , 46, 130-5	87
1190	Application of cryomilling to enhance material properties of carbon nanotube reinforced chitosan nanocomposites. 2013 , 50, 127-134	29
1189	Nanotechnology Assets in Biosensors Design for Environmental Monitoring. 2013 , 189-229	3
1188	Improved cathode materials for microbial electrosynthesis. 2013 , 6, 217-224	2 60
1188	Improved cathode materials for microbial electrosynthesis. 2013 , 6, 217-224 Carbon nanotubes in new materials. 2013 , 82, 27-47	260 37
1187	Carbon nanotubes in new materials. 2013 , 82, 27-47 Mediated electron transfer in glucose oxidising enzyme electrodes for application to biofuel cells:	37
1187 1186	Carbon nanotubes in new materials. 2013, 82, 27-47 Mediated electron transfer in glucose oxidising enzyme electrodes for application to biofuel cells: recent progress and perspectives. 2013, 15, 4859-69 Supramolecular immobilization of glucose oxidase on gold coated with cyclodextrin-modified cysteamine core PAMAM G-4 dendron/Pt nanoparticles for mediatorless biosensor design. 2013,	37 99
1187 1186 1185	Carbon nanotubes in new materials. 2013, 82, 27-47 Mediated electron transfer in glucose oxidising enzyme electrodes for application to biofuel cells: recent progress and perspectives. 2013, 15, 4859-69 Supramolecular immobilization of glucose oxidase on gold coated with cyclodextrin-modified cysteamine core PAMAM G-4 dendron/Pt nanoparticles for mediatorless biosensor design. 2013, 405, 3773-81 The fabrication of novel screen printed single-walled carbon nanotube electrodes: Electroanalytical	37 99 19
1187 1186 1185 1184	Carbon nanotubes in new materials. 2013, 82, 27-47 Mediated electron transfer in glucose oxidising enzyme electrodes for application to biofuel cells: recent progress and perspectives. 2013, 15, 4859-69 Supramolecular immobilization of glucose oxidase on gold coated with cyclodextrin-modified cysteamine core PAMAM G-4 dendron/Pt nanoparticles for mediatorless biosensor design. 2013, 405, 3773-81 The fabrication of novel screen printed single-walled carbon nanotube electrodes: Electroanalytical applications. 2013, 177, 1043-1052 Label-Free Electrical Detection of DNA Hybridization on Graphene using Hall Effect Measurements:	37 99 19 46
1187 1186 1185 1184 1183	Carbon nanotubes in new materials. 2013, 82, 27-47 Mediated electron transfer in glucose oxidising enzyme electrodes for application to biofuel cells: recent progress and perspectives. 2013, 15, 4859-69 Supramolecular immobilization of glucose oxidase on gold coated with cyclodextrin-modified cysteamine core PAMAM G-4 dendron/Pt nanoparticles for mediatorless biosensor design. 2013, 405, 3773-81 The fabrication of novel screen printed single-walled carbon nanotube electrodes: Electroanalytical applications. 2013, 177, 1043-1052 Label-Free Electrical Detection of DNA Hybridization on Graphene using Hall Effect Measurements: Revisiting the Sensing Mechanism. 2013, 23, 2301-2307	3799194694

1179	Fabrication of co-planar screen printed microband electrodes. 2013 , 138, 2516-21	25
1178	An 2,2'-azino-bis(3-ethylbenzthiazoline-6-sulfonic acid)-immobilized electrode for the simultaneous detection of dopamine and uric acid in the presence of ascorbic acid. 2013 , 91, 44-51	28
1177	Adsorptive stripping voltammetry determination of methyldopa on the surface of a carboxylated multiwall carbon nanotubes modified glassy carbon electrode in biological and pharmaceutical samples. 2013 , 109, 253-8	23
1176	Immobilization of glucose oxidase on chitosan-based porous composite membranes and their potential use in biosensors. 2013 , 52, 386-92	44
1175	Multiwall carbon nanotube modified glassy carbon electrode as voltammetric sensor for the simultaneous determination of ascorbic acid and caffeine. 2013 , 93, 248-253	93
1174	Immobilization techniques in the fabrication of nanomaterial-based electrochemical biosensors: a review. 2013 , 13, 4811-40	315
1173	Enhanced performance of electrospun carbon fibers modified with carbon nanotubes: promising electrodes for enzymatic biofuel cells. 2013 , 24, 245402	25
1172	Layer-by-Layer Enabled Nanomaterials for Chemical Sensing and Energy Conversion. 2013 , 65, 709-719	15
1171	A label-free electrochemical impedance immunosensor based on AuNPs/PAMAM-MWCNT-Chi nanocomposite modified glassy carbon electrode for detection of Salmonella typhimurium in milk. 2013 , 141, 1980-6	106
1170	Molecular dynamic study on contact angle of water droplet on a single-wall carbon nanotube (SWCNT) plate. 2013 , 111, 747-754	5
1169	Single-Layer Graphenes Functionalized with Polyurea: Architectural Control and Biomolecule Reactivity. 2013 , 117, 11829-11836	7
1168	Label-free and reagentless electrochemical detection of microRNAs using a conducting polymer nanostructured by carbon nanotubes: application to prostate cancer biomarker miR-141. 2013 , 49, 164-9	141
1167	Direct electrochemistry of adsorbed proteins and bioelectrocatalysis at film electrode prepared from oppositely charged carbon nanoparticles. 2013 , 89, 132-138	17
1166	Direct Electrochemistry Based Biosensors and Biofuel Cells Enabled with Nanostructured Materials. <i>Electroanalysis</i> , 2013 , 25, 815-831	38
1165	Advances in point-of-care technologies with biosensors based on carbon nanotubes. 2013 , 45, 24-36	87
1164	The devil and holy water: protein and carbon nanotube hybrids. 2013 , 46, 2454-63	120
1163	Starch-based nano-biocomposites. 2013 , 38, 1590-1628	376
1162	Direct electrochemistry with enhanced electrocatalytic activity of hemoglobin in hybrid modified electrodes composed of graphene and multi-walled carbon nanotubes. 2013 , 781, 41-7	79

1161	Adsorption and Electrooxidation of Nucleic Acids at Glassy Carbon Electrodes Modified with Multiwalled Carbon Nanotubes Dispersed In Polylysine. <i>Electroanalysis</i> , 2013 , 25, 1116-1121	3	12
1160	Towards in vivo biosensors for low-cost protein sensing. 2013 , 49, 450-451		5
1159	Poly(brilliant green)/carbon nanotube-modified carbon film electrodes and application as sensors. 2013 , 17, 1571-1580		16
1158	Direct electrochemistry of glucose oxidase at electrochemically reduced graphene oxide-multiwalled carbon nanotubes hybrid material modified electrode for glucose biosensor. 2013 , 41, 309-15		300
1157	Multifunctional microelectrode array (mMEA) chip for neural-electrical and neural-chemical interfaces: characterization of comb interdigitated electrode towards dopamine detection. 2013 , 41, 602-7		27
1156	Flexible direct-growth CNT biosensors. 2013 , 41, 898-902		30
1155	An organic substrate based magnetoresistive sensor for rapid bacteria detection. 2013 , 41, 758-63		26
1154	Biomolecular AND logic gate based on immobilized enzymes with precise spatial separation controlled by scanning electrochemical microscopy. 2013 , 117, 16058-65		13
1153	Qualitative characterisation of contact strength between carbon nanotubes and electrodes. 2013 , 8, 540-545		1
1152	CHAPTER 12:Carbon-Based Polymer Nanocomposites: From Material Preparation to Antimicrobial Applications. 2013 , 327-350		1
1151	Ultra Flexible Paper Based Electrochemical Sensors: Effect of Mechanical Contortion upon Electrochemical Performance. <i>Electroanalysis</i> , 2013 , 25, n/a-n/a	3	6
1150	Polymer thin films embedded with metal nanoparticles for electrochemical biosensors applications. 2013 , 41, 43-53		154
1149	Biointerfacial Property of Plasma-Treated Single-Walled Carbon Nanotube Film Electrodes for Electrochemical Biosensors. 2013 , 52, 01AE02		
1148	Carbon nanotubes: applications in pharmacy and medicine. 2013 , 2013, 578290		216
1147	Optimization of hydrogen peroxide detection for a methyl mercaptan biosensor. 2013 , 13, 5028-39		15
1146	Development of Multiwalled Carbon Nanotube Based Electrochemical Sensor for Reactive Azo Dyes. 2013 , 678, 321-325		
1145	Conducting Polyaniline Nanowire and Its Applications in Chemiresistive Sensing. 2013 , 3, 498-523		276
1144	Science and Engineering of Nanomaterials. 2013 , 1-36		5

1143	Electrochemical studies of U(VI)/U(IV) redox reaction in 1M H2SO4 at single-walled carbon nanotubes (SWCNTs) modified gold (Au) electrode. 2013 , 101, 399-404	3
1142	Electrochemical biosensors for on-chip detection of oxidative stress from cells. 2013 , 526, 107-21	10
1141	Variability and Reliability of Single-Walled Carbon Nanotube Field Effect Transistors. 2013, 2, 332-367	9
1140	Amorphous Silicon Thin Film Transistor Biosensing System. 2013 , 1530, 1	
1139	Electrochemical reduction of U(VI) in H2SO4 at gold nanoporous film electrode. 2013, 101, 253-258	1
1138	Synthesis of carbon based nanomaterials for tissue engineering applications. 2013 , 119-157	3
1137	MULTI-WALL CARBON NANOTUBE-BASED DNA NANOSENSOR FOR DETERMINING MITOXANTRONE-DNA INTERACTION IN-VITRO. 2013 , 41, 325-334	7
1136	Fabrication of Carboxylated Conducting Polymer/CNTs Composites Thin Films for Immunosensor Application. 2013 , 580, 7-14	4
1135	Multi-electrode amperometric biosensor for neurotransmitters detection. 2013,	3
1134	TENSILE PROPERTIES OF GRAPHENE-NANOTUBE HYBRID STRUCTURES: A MOLECULAR DYNAMICS STUDY. 2013 , 02, 1350020	7
1133	STRUCTURAL AND ELECTRONIC PROPERTIES OF FINITE-LENGTH SINGLE-WALLED CARBON AND SILICON CARBIDE NANOTUBES: DFT STUDY. 2013 , 27, 1350210	15
1132	Carbon-based electrode materials for DNA electroanalysis. 2013 , 29, 385-92	19
1131	Indirect chemiluminescence-based determination of catecholamines in pharmaceutical formulations by furandicarboxylate derivative as a novel blue fluorescer in peroxyoxalate-HDD system. 2013 , 29, 815-21	7
1130	Response of Soybean Roots to Soybean Cyst Nematode at the Molecular Level. 2013 , 736-751	1
1129	Hierarchically nanostructured materials for sustainable environmental applications. 2013, 1, 18	55
1128	Electrospun Nanofibers: From Rational Design, Fabrication to Electrochemical Sensing Applications. 2013 ,	8
1127	Nanobiosensors: Concepts and Variations. 2013 , 2013, 1-9	89
1126	Emerging sensor technologies for monitoring water quality. 2013 , 66-84	7

1125	Single walled carbon nanotube-based junction biosensor for detection of Escherichia coli. 2014 , 9, e105767	40
1124	The Effect of DNA and Sodium Cholate Dispersed Single-Walled Carbon Nanotubes on the Green Algae Chlamydomonas reinhardtii. 2014 , 2014, 1-8	3
1123	Tensile properties of a boron/nitrogen-doped carbon nanotube-graphene hybrid structure. 2014 , 5, 329-36	20
1122	A Sensitive Voltammetric Sensor for Determination of Glutathione Based on Multiwall Carbon Nanotubes Paste Electrode Incorporating Pyrogallol Red. 2014 , 30, 593-599	8
1121	Rapid Determination of Sucrose in Fruit Juices: A New Sensitive Carbon Nanotube Paste Osmium-Polymer Mediated Biosensor. 2014 , 3, 101	6
1120	Rapid prototyping techniques for the fabrication of biosensors. 2014 , 93-112	
1119	Advanced Nano-biocomposites Based on Starch. 2014 , 1-75	12
1118	Fabrication of glycopolymer/MWCNTs composite nanofibers and its enzyme immobilization applications. 2014 , 121, 417-24	19
1117	Functionalization of Multi-walled Carbon Nanotubes with 6-Aminobenzothiazole and their Temperature-dependent Magnetic Studies. 2014 , 22, 874-886	9
1116	Biosensors?. 2014 , 542-542	
1116	Biosensors?. 2014, 542-542 Functional Materials in Amperometric Sensing. 2014,	11
1115		11
1115	Functional Materials in Amperometric Sensing. 2014,	11
1115	Functional Materials in Amperometric Sensing. 2014, Medical Nanobiosensors. 2014, 117-143 Electroabsorbing Hemoglobin on Nano-Silver/Carbon Nanotube Composite Films Electrode for	11
1115 1114 1113	Functional Materials in Amperometric Sensing. 2014, Medical Nanobiosensors. 2014, 117-143 Electroabsorbing Hemoglobin on Nano-Silver/Carbon Nanotube Composite Films Electrode for Oxygen Electroanalysis. 2014, 955-959, 1120-1125 Preparation of electrochemical biosensor for detection of organophosphorus pesticides. 2014,	
1115 1114 1113 1112	Functional Materials in Amperometric Sensing. 2014, Medical Nanobiosensors. 2014, 117-143 Electroabsorbing Hemoglobin on Nano-Silver/Carbon Nanotube Composite Films Electrode for Oxygen Electroanalysis. 2014, 955-959, 1120-1125 Preparation of electrochemical biosensor for detection of organophosphorus pesticides. 2014, 2014, 303641	12
1115 1114 1113 1112 1111	Functional Materials in Amperometric Sensing. 2014, Medical Nanobiosensors. 2014, 117-143 Electroabsorbing Hemoglobin on Nano-Silver/Carbon Nanotube Composite Films Electrode for Oxygen Electroanalysis. 2014, 955-959, 1120-1125 Preparation of electrochemical biosensor for detection of organophosphorus pesticides. 2014, 2014, 303641 Diameter-selective alignment of carbon nanotubes on Si(001) stepped surfaces. 2014, 140, 044713 Conducting polymer functionalized single-walled carbon nanotube based chemiresistive biosensor	12 O

1107	Review of Recent Developments in Sensing Materials. 2014 , 47-101		9
1106	Distinct electrical effects of multi-walled carbon nanotubes in two composites. 2014 , 116, 173708		3
1105	Nanomaterials for biosensing applications: a review. 2014 , 2, 63		587
1104	Nanosized Materials in Amperometric Sensors. 2014 , 497-527		
1103	Electrochemical Detection of Activated Protein C Using an Aptasensor Based on PAMAM Dendrimer Modified Pencil Graphite Electrodes. <i>Electroanalysis</i> , 2014 , 26, 2580-2590	3	11
1102	Voltammetric Sensor for Total Cholesterol Determination. 2014 , 10, 513-518		8
1101	4. The importance of defects and dopants within carbon nanomaterials during the fabrication of polymer composites. 2014 ,		
1100	Modification of Abiotic B iotic Interfaces with Small Molecules and Nanomaterials for Improved Bioelectronics. 2014 , 26, 686-697		79
1099	An amperometric hydrogen peroxide biosensor based on Co3O4 nanoparticles and multiwalled carbon nanotube modified glassy carbon electrode. 2014 , 311, 139-146		54
1098	Biofunctionalized carbon nanotubes platform for biomedical applications. 2014 , 126, 126-130		15
1097	Electrochemical behaviour of vertically aligned carbon nanotubes and graphene oxide nanocomposite as electrode material. 2014 , 119, 114-119		66
1096	Physiological hepatic response to zinc oxide nanoparticle exposure in the white sucker, Catostomus commersonii. 2014 , 162, 51-61		8
1095	A simple and sensitive electroanalytical determination of anxiolytic buspirone hydrochloride drug based on multiwalled carbon nanotubes modified electrode. 2014 , 44, 317-323		12
1094	Carbon nanodots-chitosan composite film: a platform for protein immobilization, direct electrochemistry and bioelectrocatalysis. 2014 , 58, 351-8		51
1093	Stability and Transport of Graphene Oxide Nanoparticles in Groundwater and Surface Water. 2014 , 31, 350-359		102
1092	Three Dimensional Carbon Nanosheets as a Novel Catalyst Support for Enzymatic Bioelectrodes. 2014 , 4, 1301306		26
1091	Electrochemical sensor based on f-SWCNT and carboxylic group functionalized PEDOT for the sensitive determination of bisphenol A. 2014 , 25, 517-522		39
1090	Pristine multi-walled carbon nanotubes/SDS modified carbon paste electrode as an amperometric sensor for epinephrine. 2014 , 125, 352-60		59

1089	Voltammetric determination of vitamin B6 in food samples and dietary supplements. 2014 , 33, 155-160	41
1088	Determination of Methimazole on a Multiwall Carbon Nanotube Titanium Dioxide Nanoparticle Paste Electrode. 2014 , 47, 763-777	17
1087	Voltammetric determination of captopril using a novel ferrocene-based polyamide as a mediator and multi-wall carbon nanotubes as a sensor. 2014 , 69, 162-168	12
1086	A sensitive nonenzymatic hydrogen peroxide sensor using cadmium oxide nanoparticles/multiwall carbon nanotube modified glassy carbon electrode. 2014 , 717-718, 41-46	48
1085	Simultaneous detection of dopamine and ascorbic acid using silver/silver sulfide modified carbon nanotube electrodes. 2014 , 45, 833-839	18
1084	Silver nanoparticles/multi walled carbon nanotubes nanocomposite modified electrode: Voltammetric determination of clonazepam. 2014 , 118, 10-17	56
1083	Highly sensitive and selective determination of thiocyanate using gold nanoparticles surface decorated multi-walled carbon nanotubes modified carbon paste electrode. 2014 , 196, 467-474	28
1082	Hybrid peptidelarbon nanotube dispersions and hydrogels. 2014 , 71, 284-293	13
1081	Sodium dodecyl sulfate modified carbon nanotubes paste electrode as a novel sensor for the simultaneous determination of dopamine, ascorbic acid, and uric acid. 2014 , 17, 465-476	61
1080	Electrochemical methods for ascorbic acid determination. 2014 , 121, 443-460	180
1080	Electrochemical methods for ascorbic acid determination. 2014 , 121, 443-460 A nanowire-based label-free immunosensor: direct incorporation of a PSA antibody in electropolymerized polypyrrole. 2014 , 57, 157-61	180
	A nanowire-based label-free immunosensor: direct incorporation of a PSA antibody in	
1079	A nanowire-based label-free immunosensor: direct incorporation of a PSA antibody in electropolymerized polypyrrole. 2014 , 57, 157-61 Selective application of two rapid, low-cost electrochemical methods to quantify glycerol according	50
1079	A nanowire-based label-free immunosensor: direct incorporation of a PSA antibody in electropolymerized polypyrrole. 2014 , 57, 157-61 Selective application of two rapid, low-cost electrochemical methods to quantify glycerol according to the sample nature. 2014 , 193, 142-148 Synergistic electrocatalytic effect of graphene/nickel hydroxide composite for the simultaneous electrochemical determination of ascorbic acid, dopamine and uric acid. 2014 , 133, 233-240	50 9
1079 1078 1077	A nanowire-based label-free immunosensor: direct incorporation of a PSA antibody in electropolymerized polypyrrole. 2014, 57, 157-61 Selective application of two rapid, low-cost electrochemical methods to quantify glycerol according to the sample nature. 2014, 193, 142-148 Synergistic electrocatalytic effect of graphene/nickel hydroxide composite for the simultaneous electrochemical determination of ascorbic acid, dopamine and uric acid. 2014, 133, 233-240	50 9
1079 1078 1077 1076	A nanowire-based label-free immunosensor: direct incorporation of a PSA antibody in electropolymerized polypyrrole. 2014, 57, 157-61 Selective application of two rapid, low-cost electrochemical methods to quantify glycerol according to the sample nature. 2014, 193, 142-148 Synergistic electrocatalytic effect of graphene/nickel hydroxide composite for the simultaneous electrochemical determination of ascorbic acid, dopamine and uric acid. 2014, 133, 233-240 Electronic devices and functional structures based on nanostructured semiconductors. 2014, 95-138	50 9 89
1079 1078 1077 1076	A nanowire-based label-free immunosensor: direct incorporation of a PSA antibody in electropolymerized polypyrrole. 2014, 57, 157-61 Selective application of two rapid, low-cost electrochemical methods to quantify glycerol according to the sample nature. 2014, 193, 142-148 Synergistic electrocatalytic effect of graphene/nickel hydroxide composite for the simultaneous electrochemical determination of ascorbic acid, dopamine and uric acid. 2014, 133, 233-240 Electronic devices and functional structures based on nanostructured semiconductors. 2014, 95-138 Graphene/MoS(2) heterostructures for ultrasensitive detection of DNA hybridisation. 2014, 26, 4838-44 Pb(II) determination in natural water using a carbon nanotubes paste electrode modified with	50 9 89 251

1071	Platinized aligned carbon nanotube-sheathed carbon fiber microelectrodes for in vivo amperometric monitoring of oxygen. 2014 , 86, 5017-23	48
1070	Aptamer-based biosensors for biomedical diagnostics. 2014 , 139, 2627-40	351
1069	Enzyme-labeled Pt@BSA nanocomposite as a facile electrochemical biosensing interface for sensitive glucose determination. 2014 , 6, 4170-8	64
1068	Sensitive voltammetric determination of cysteamine using promazine hydrochloride as a mediator and modified multi-wall carbon nanotubes carbon paste electrodes. 2014 , 20, 1335-1342	9
1067	Grafting chitosan and polyHEMA on carbon nanotubes surfaces: "grafting to" and "grafting from" methods. 2014 , 63, 92-7	16
1066	Determination of 5,7-dihydroxychromone and luteolin in peanut hulls by capillary electrophoresis with a multiwall carbon nanotube/poly(ethylene terephthalate) composite electrode. 2014 , 145, 555-61	24
1065	Electrochemical application of titanium dioxide nanoparticle/gold nanoparticle/multiwalled carbon nanotube nanocomposites for nonenzymatic detection of ascorbic acid. 2014 , 18, 477-485	18
1064	Electro-oxidation and voltammetric determination of oxymetholone in the presence of mestanolone using glassy carbon electrode modified with carbon nanotubes. 2014 , 121, 1-8	20
1063	Electrochemical artifacts originating from nanoparticle contamination by Ag/AgCl quasi-reference electrodes. 2014 , 14, 602-7	27
1062	Carbon nanotube-based fluorescence sensors. 2014 , 19, 20-34	52
1061	Ultrasensitive and simultaneous detection of heavy metal ions based on three-dimensional graphene-carbon nanotubes hybrid electrode materials. 2014 , 852, 45-54	195
1060	Highly Efficient Membraneless Glucose Bioanode Based on Corynascus thermophilus Cellobiose Dehydrogenase on Aryl Diazonium-Activated Single-Walled Carbon Nanotubes. 2014 , 1, 1948-1956	19
1059	Nanomaterials in Electrochemical Biosensor. 2014 , 995, 125-143	6
1058	Simultaneous Monitoring of Ammonia and Moisture Using a Single Fiber Optoelectrode as a Transducer. 2014 , 14, 847-852	9
1057	Rapid prototyping techniques for the fabrication of biosensors. 2014 , 75-96	
1056	Direct electrochemistry and electrocatalysis of glucose oxidase based poly(L-arginine)-multi-walled carbon nanotubes. 2014 , 4, 50771-50781	18
1055	Differential pulse adsorptive stripping voltammetric determination of nanomolar levels of atorvastatin calcium in pharmaceutical and biological samples using a vertically aligned carbon nanotube/graphene oxide electrode. 2014 , 139, 2832-41	28
1054	Three-Dimensional Organization of Surface-Bound Silicone Nanofilaments Revealed by Focused Ion Beam Nanotomography. 2014 , 118, 24967-24975	14

1053 Research highlights. **2014**, 14, 622

Sensitive electrochemiluminescence detection of matrine based on Ru(bpy)32+ and mesoporous silica nanosphere modified electrodes. 2014 , 6, 8592-8597	9
1051 Graphene oxide for fluorescence-mediated enzymatic activity assays. 2014 , 2, 2452-2460	22
Microwave plasma CVD-grown graphene INT hybrids for enhanced electron field emission applications. 2014 , 117, 2197-2205	18
1049 "Ready-to-use" hollow nanofiber membrane-based glucose testing strips. 2014 , 139, 6467-73	35
A highly sensitive immunoassay using antibody-conjugated spherical mesoporous silica with immobilized enzymes. 2014 , 50, 3546-8	18
1047 A handheld magnetic sensing platform for antigen and nucleic acid detection. 2014 , 139, 1403-11	30
1046 Screen-printed back-to-back electroanalytical sensors. 2014 , 139, 5339-49	21
1045 GrapheneEnvironmental and Sensor Applications. 2014, 159-224	3
Flow-induced immobilization of glucose oxidase in nonionic micellar nanogels for glucose sensing. 2014, 14, 3912-6	10
Glassy carbon electrode modified with a graphene oxide/poly(o-phenylenediamine) composite for the chemical detection of hydrogen peroxide. 2014 , 44, 144-50	9
Controllable synthesis of multi-walled carbon nanotubes/poly(3,4-ethylenedioxythiophene) core-shell nanofibers with enhanced electrocatalytic activity. 2014 , 137, 518-525	20
Nanocarbon-chlorophyll hybrids: Self assembly and photoresponse. 2014 , 80, 746-754	6
Higher catalytic activity of porphyrin functionalized CoD hanostructures for visual and colorimetric detection of HDhand glucose. 2014 , 43, 321-9	41
1039 Carbon nanotube-loaded Nafion film electrochemical sensor for metal ions: europium. 2014 , 86, 4354-61	49
An acetylcholinesterase biosensor based on a conducting polymer using multiwalled carbon nanotubes for amperometric detection of organophosphorous pesticides. 2014 , 205, 39-49	85
1037 Mapping nanoscale electrochemistry of individual single-walled carbon nanotubes. 2014 , 14, 220-4	76
Templating synthesis of hollow CuO polyhedron and its application for nonenzymatic glucose detection. 2014 , 2, 7306-7312	78

1035	Direct synthesis of carbon nanofibers from South African coal fly ash. 2014 , 9, 387	24
1034	Synthesis and electrochemical properties of vanadium oxide materials and structures as Li-ion battery positive electrodes. 2014 , 267, 831-873	114
1033	Advances in Conceptual Electronic Nanodevices based on 0D and 1D Nanomaterials. 2014 , 6, 1-19	17
1032	Modified Carbon Materials for O2 Reduction Reaction Electrocatalysts in Acid PEM Fuel Cells. 2014 , 119-156	3
1031	Nanotechnology for Water Treatment and Purification. 2014 ,	20
1030	Noise limits of CMOS current interfaces for biosensors: a review. 2014 , 8, 278-92	97
1029	A Facile Strategy to Support Palladium Nanoparticles on Carbon Nanotubes, Employing Polyvinylpyrrolidone as a Surface Modifier. 2014 , 2014, 1439-1445	7
1028	Dendrimer modified 8-channel screen-printed electrochemical array system for impedimetric detection of activated protein C. 2014 , 196, 168-174	26
1027	Electrical Transducers. 2014 , 169-232	10
1026	IrOx-carbon nanotube hybrids: a nanostructured material for electrodes with increased charge capacity in neural systems. 2014 , 10, 4548-58	32
1025	Electrochemical properties of spaghetti and forest like carbon nanotubes grown on glass substrates. 2014 , 192, 253-260	10
1024	High temporal resolution measurements of dopamine with carbon nanotube yarn microelectrodes. 2014 , 86, 5721-7	68
1023	Pd-Au nanoparticle decorated carbon nanotube as a sensing layer on the surface of glassy carbon electrode for electrochemical determination of ceftazidime. 2014 , 34, 318-25	27
1022	Pt-CuO nanoparticles decorated reduced graphene oxide for the fabrication of highly sensitive non-enzymatic disposable glucose sensor. 2014 , 195, 197-205	105
1021	Electrode asymmetry driven self-gating effect on the electrical detection of protein. 2014, 191, 800-805	5
1020	A flumid electronic noselfor the detection of nerve agent mimics; a case of selective sensing of DCNP (a Tabun mimic). 2014 , 192, 134-142	13
1019	Vertically aligned carbon nanotube-sheathed carbon fibers as pristine microelectrodes for selective monitoring of ascorbate in vivo. 2014 , 86, 3909-14	86
1018	Nanomaterial-based biosensors for food toxin detection. 2014 , 174, 880-96	73

1017	Visualizing individual carbon nanotubes with optical microscopy. 2014 , 136, 8536-9	11
1016	Preparation, Characterization, and Bioelectrocatalytic Properties of Hemoglobin Incorporated Multiwalled Carbon Nanotubes-Poly-L-lysine Composite Film Modified Electrodes Towards 3 Bromate. <i>Electroanalysis</i> , 2014 , 26, 996-1003	5
1015	Filamentous pyrolytic carbon film and its electroanalytical properties. 2014 , 727, 13-20	5
1014	A simple strategy for the immobilization of catalase on multi-walled carbon nanotube/poly (L-lysine) biocomposite for the detection of H2O2 and iodate. 2014 , 61, 639-47	49
1013	An electrochemical sensor prepared by sonochemical one-pot synthesis of multi-walled carbon nanotube-supported cobalt nanoparticles for the simultaneous determination of paracetamol and dopamine. 2014 , 839, 59-66	77
1012	A systematic way of identifying and forecasting technological reverse salients using QFD, bibliometrics, and trend impact analysis: A carbon nanotube biosensor case. 2014 , 34, 559-570	20
1011	Continuous monitoring of Naproxen by a cytochrome P450-based electrochemical sensor. 2014 , 53, 283-7	47
1010	Collagen Nanofiber-templated Silver Nanowires on Graphene Nanosheets for a Nonenzymatic Amperometric Biosensor of Hydrogen Peroxide. 2014 , 43, 544-546	7
1009	Continuum mathematics at the nanoscale. 2014 , 4, 11	2
1008	Non-enzymatic electrochemical sensors for the detection of H2O2 based on Mn3O4 octahedron submicrostructures. 2014 , 9, 736-740	6
1007	Chemometrics. 2015 , 1271-1300	
1006	Selective Thiol Detection in Authentic Biological Samples with the Use of Screen-printed Electrodes. 2015 , 31, 685-91	10
1005	Electrochemical Decoration of Carbon Nanotubes with Au Nanostructure for the Electroanalysis of Biomolecules. 2015 , 31, 711-4	3
1004	Stochastic Events in Nanoelectrochemical Systems. 2015 , 256-307	
1003	- Emerging Applications of Functionalized Carbon-Based Nanomaterials. 2015 , 800-831	1
1002	- Amperometric Enzyme Electrodes. 2015 , 108-139	
1001	Recent Investigations of Single Living Cells with Ultramicroelectrodes. 2015 , 454-483	2
1000	Electrochemical Biosensors Based on Nanomaterials. 2015 , 317-329	

Antibody-Based Technologies for Environmental Biodetection. **2015**, 2.3.1-1-2.3.1-12

998	Concept of the Tip Effect in Single Walled Carbon Nanotube. 2015 , 1099, 37-40	
997	Development of electrochemical biosensors based on nanomaterials. 2015,	
996	Faradic Peaks Enhanced by Carbon Nanotubes in Microsomal Cytochrome P450 Electrodes. Electroanalysis, 2015 , 27, 1507-1515	2
995	Direct Electrochemistry of Glucose Oxidase at Reduced Graphene Oxide and Ecyclodextrin Composite Modified Electrode and Application for Glucose Biosensing. <i>Electroanalysis</i> , 2015 , 27, 2412-2420	17
994	Enhanced Hydrogen Peroxide Sensing Based on Tetraruthenated Porphyrins/Nafion/Glassy Carbon-modified Electrodes via Incorporating of Carbon Nanotubes. <i>Electroanalysis</i> , 2015 , 27, 2778-2784	7
993	Electrocatalytic Interface Based on Novel Carbon Nanomaterials for Advanced Electrochemical Sensors. 2015 , 7, 2744-2764	51
992	Carbon-Based Nanostructures for Advanced Catalysis. 2015 , 7, 2806-2815	77
991	Assessments of Surface Coverage after Nanomaterials are Drop Cast onto Electrodes for Electroanalytical Applications. 2015 , 2, 1003-1009	15
990	Polymer-Decorated Carbon Nanotubes as Transducers for Label-Free Photonic Biosensors. 2015 , 21, 18649-53	4
989	Magnetically Active Carbon Nanotubes at Work. 2015 , 21, 9288-301	14
988	A Review of Patterned Organic Bioelectronic Materials and their Biomedical Applications. 2015 , 27, 7583-619	60
987	Electrochemistry in One Dimension: Applications of Carbon Nanotubes. 2015 , 83-120	3
986	Electrochemistry at Highly Oriented Pyrolytic Graphite (HOPG): Toward a New Perspective. 2015 , 31-82	2
985	Programmable Bemismart Bensor: Relevance to Monitoring Antipsychotics. 2015, 25, 2156-2165	20
984	Amperometric Lactate Biosensor Based on Carbon Paste Electrode Modified with Benzo[c]cinnoline and Multiwalled Carbon Nanotubes. <i>Electroanalysis</i> , 2015 , 27, 2820-2828	9
983	Recent Progress in Obtaining Semiconducting Single-Walled Carbon Nanotubes for Transistor Applications. 2015 , 27, 7908-37	52
982	Synthesis, Characterization and Applications of Nano-structured Metal Hexacyanoferrates: A Review. 2015 , 02,	35

(2015-2015)

981	Voltammetric and Impidimetric Detection of Anticancer Drug Mitomycin C and DNA Interaction by Using Carbon Nanotubes Modified Electrodes. 2015 , 1, 32-36	1
980	Organic Bioelectronic Tools for Biomedical Applications. 2015 , 4, 879-908	37
979	Electrochemical Characterization of Graphene and MWCNT Screen-Printed Electrodes Modified with AuNPs for Laccase Biosensor Development. 2015 , 5, 1995-2006	37
978	Highly Sensitive Electrochemical Sensor for the Determination of 8-Hydroxy-2?-deoxyguanosine Incorporating SWCNTs-Nafion Composite Film. 2015 , 2015, 1-11	10
977	H2O2 Detection at Carbon Nanotubes and Nitrogen-Doped Carbon Nanotubes: Oxidation, Reduction, or Disproportionation?. 2015 , 87, 5989-96	61
976	Biosensors For Food Toxin Detection: Carbon Nanotubes And Graphene. 2015 , 1725, 24	9
975	Tunable Encapsulation Structure of Block Copolymer Coated Single-Walled Carbon Nanotubes in Aqueous Solution. 2015 , 48, 3475-3480	13
974	Molecularly imprinted sensor for voltammetric detection of norfloxacin. 2015 , 219, 301-307	53
973	Exploring the electrical wiring of screen-printed configurations utilised in electroanalysis. 2015 , 7, 1208-1214	37
972	Development of a novel reagentless, screen-printed amperometric biosensor based on glutamate dehydrogenase and NAD+, integrated with multi-walled carbon nanotubes for the determination of glutamate in food and clinical applications. 2015 , 216, 614-621	47
971	Impedance Spectroscopy of Supported Multiwalled Carbon Nanotubes for Immunosensor Applications. 2015 , 06,	0
970	Novel electrochemical sensor based on carbon nanodots/chitosan nanocomposite for the detection of tryptophan. 2015 , 12, 1875-1882	14
969	Facile ultrasonic synthesis of graphene/SnO2 nanocomposite and its application to the simultaneous electrochemical determination of dopamine, ascorbic acid, and uric acid. 2015 , 749, 26-30	51
968	MicroRNA Detection and Pathological Functions. 2015,	3
967	Synthesis of three-dimensional macro-porous networks of carbon nanotubes by chemical vapor deposition of methane on Co/Mo/Mg catalyst. 2015 , 505, 487-493	8
966	Voltammetric determination of phytoinhibitor maleic hydrazide using PEDOT:PSS composite electrode. 2015 , 751, 65-74	27
965	Functionalized graphene and other two-dimensional materials for photovoltaic devices: device design and processing. 2015 , 44, 5638-79	238
964	Recent trends in electrochemical nanobiosensors for environmental analysis. 2015 , 7, 267	22

963	Effective potentials between gold nano crystals Ifunctional dependence on temperature. 2015 , 41, 1153-1158	9
962	Glucose biosensors: progress, current focus and future outlook. 2015 , 30, B140-B149	13
961	Fabrication of a non-enzymatic Ni(II) loaded ZSM-5 nanozeolite and multi-walled carbon nanotubes paste electrode as a glucose electrochemical sensor. 2015 , 5, 105707-105718	24
960	Chemical Bonding, Reactivity, and Viability of Large Boron Clusters. 2015 , 11, 147-187	1
959	Determination of trace amounts of zearalenone in beverage samples with an electrochemical sensor. 2015 , 31, 203-8	19
958	Highly selective electrochemical approach for detection of DA, AA and 5-HT using material diversity with chemometrics on paper. 2015 ,	1
957	Carbon Nanotubes with Tailored Density of Electronic States for Electrochemical Applications. 2015 , 7, 25793-803	10
956	Graphene-gold nanoparticle composite: application as a good scaffold for construction of glucose oxidase biosensor. 2015 , 49, 297-304	36
955	Influence of oxide buffer layers on the growth of carbon nanotube arrays on carbon substrates. 2015 , 87, 175-185	16
954	An ultrasensitive sandwich-type electrochemical immunosensor based on signal amplification strategy of gold nanoparticles functionalized magnetic multi-walled carbon nanotubes loaded with lead ions. 2015 , 68, 626-632	77
953	Electrochemistry of nonconjugated proteins and glycoproteins. Toward sensors for biomedicine and glycomics. 2015 , 115, 2045-108	223
952	A Fractal Analysis of the Binding and Dissociation Kinetics of Glucose to Different Biosensor Surfaces. 2015 , 197-244	
951	Effect of nonendocytic uptake of nanoparticles on human bronchial epithelial cells. 2015, 87, 3208-15	17
950	Diazonium salt click chemistry based multiwall carbon nanotube electrocatalytic platforms. 2015 , 211, 559-568	10
949	Progress of new label-free techniques for biosensors: a review. 2016 , 36, 465-81	123
948	Elastomeric nanocomposite scaffolds made from poly (glycerol sebacate) chemically crosslinked with carbon nanotubes. 2015 , 3, 45-68	65
947	Role of arginine in mediating protein-carbon nanotube interactions. 2015 , 31, 1683-92	28
946	H2 adsorption on Ag-nanocluster/single-walled carbon nanotube composites: a molecular dynamics study on the effects of nanocluster size, diameter, and chirality of nanotube. 2015 , 36, 433-40	20

945	Under the lens: carbon nanotube and protein interaction at the nanoscale. 2015 , 51, 4347-59	76
944	Layer-by-layer assembled carbon nanotube-acetylcholinesterase/biopolymer renewable interfaces: SPR and electrochemical characterization. 2015 , 31, 1462-8	29
943	Detection of biological objects using dynamic characteristics of double-walled carbon nanotubes. 2015 , 5, 681-695	6
942	Electrocatalytic oxidation of 2-mercaptoethanol using modified glassy carbon electrode by MWCNT in combination with unsymmetrical manganese (II) Schiff base complexes. 2015 , 66, 219-225	4
941	Nano- and microsized zeolites as a perspective material for potentiometric biosensors creation. 2015 , 10, 59	12
940	Construction of novel xanthine biosensor by using polymeric mediator/MWCNT nanocomposite layer for fish freshness detection. 2015 , 181, 277-83	70
939	Recent progress in quantum dot based sensors. 2015 , 5, 26644-26653	69
938	Electrochemical sensor based on Nbim/CNT composite for selective determination of luteolin in the flavonoids. 2015 , 754, 94-99	18
937	A computational study on the effect of local curvature on the adsorption of oxygen on single-walled carbon nanotubes. 2015 , 94, 936-941	6
936	Electrochemical properties of metallated porphyrazines possessing isophthaloxybutylsulfanyl substituents: Application in the electrocatalytic oxidation of hydrazine. 2015 , 168, 216-224	17
935	Functionalized solid electrodes for electrochemical biosensing of purine nucleobases and their analogues: a review. 2015 , 15, 1564-600	36
934	Rapid detection of listeria spp. using an internalin A aptasensor based on carbon-metal nanohybrid structures. 2015 ,	3
933	Low Dense CNT for Ultra-Sensitive Chemoresistive Gas Sensor Development. 2015 , 865-872	
932	A nanocoaxial-based electrochemical sensor for the detection of cholera toxin. 2015 , 74, 406-10	18
931	Bienzyme liquid-crystal-based cholesterol biosensor. 2015 , 220, 508-515	26
930	Amplification of the signal intensity of fluorescence-based fiber-optic biosensors using a Fabry-Perot resonator structure. 2015 , 15, 3565-74	9
929	In Situ Derivatization of an Intrinsic Iron Impurity as a Surface-Confined Iron(II)tris(2,2'-bipyridine) Complex on MWCNT and Its Application to Selective Electrochemical Sensing of DNA's Purine Bases. 2015 , 31, 5945-51	22
928	Vibration insight of a nonlocal viscoelastic coupled multi-nanorod system. 2015 , 54, 132-145	16

927	Molecularly Imprinted Polymer Preconcentration and Flow Injection Amperometric Determination of 4-Nitrophenol in Water. 2015 , 48, 2856-2869	10
926	Ultra-low casting of Pt based nano-ink for electrooxidation of glycerol and ethylene glycol fuels in alkaline medium. 2015 , 158, 659-663	11
925	Amperometric Detection of Aqueous Silver Ions by Inhibition of Glucose Oxidase Immobilized on Nitrogen-Doped Carbon Nanotube Electrodes. 2015 , 87, 7250-7	16
924	A Miniature Graphene-based Biosensor for Intracellular Glucose Measurements. 2015 , 174, 574-580	29
923	Design of surface modifications for nanoscale sensor applications. 2015 , 15, 1635-75	66
922	Photoelectrochemical biosensors: New insights into promising photoelectrodes and signal amplification strategies. 2015 , 24, 43-63	168
921	Iron and iron-oxide magnetic nanoparticles as signal-amplification elements in electrochemical biosensing. 2015 , 72, 1-9	134
920	Electrochemical Sensors Using Two-Dimensional Layered Nanomaterials. <i>Electroanalysis</i> , 2015 , 27, 1062-3072	36
919	A glucose biosensor based on partially unzipped carbon nanotubes. 2015 , 141, 66-72	15
918	Modification of glassy carbon electrode with a bilayer of multiwalled carbon nanotube/tiron-doped polypyrrole: Application to sensitive voltammetric determination of acyclovir. 2015 , 53, 134-41	43
917	A simple and scalable approach to hollow silicon nanotube (h-SiNT) anode architectures of superior electrochemical stability and reversible capacity. 2015 , 3, 11117-11129	31
916	Soft materials in neuroengineering for hard problems in neuroscience. 2015 , 86, 175-86	195
915	Electrooxidation of NADH on Modified Screen-Printed Electrodes: Effects of Conducting Polymer and Nanomaterials. 2015 , 166, 261-270	35
914	Carbon-Based Electrodes for Sensitive Electroanalytical Determination of Aminonaphthalenes. <i>Electroanalysis</i> , 2015 , 27, 1556-1564	11
913	Carbon materials for analytical electrochemistry: printed carbon materials and composites. 2015 , 30, B155-B162	11
912	Carbon nanotube-polyamidoamine dendrimer hybrid-modified electrodes for highly sensitive electrochemical detection of microRNA24. 2015 , 87, 4806-13	65
911	Chemical attachment of functionalized multiwalled carbon nanotubes on glassy carbon electrode for electrocatalytic application. 2015 , 165, 268-276	6
910	Effect of nanostructured materials as electrode surface modifiers on the analytical capacity of amperometric biosensors. 2015 , 88, 40-49	10

909	Carbon nanotube proximity influences rice DNA. 2015 , 455, 17-22	15
908	Doped graphene: synthesis, properties and bioanalysis. 2015 , 5, 49521-49533	42
907	Toward point-of-care diagnostics with consumer electronic devices: the expanding role of nanoparticles. 2015 , 5, 22256-22282	79
906	Recent developments in carbon nanomaterial sensors. 2015 , 44, 4433-53	350
905	Maskless functionalization of a carbon nanotube dot array biosensor using an ultrafine atmospheric pressure plasma jet. 2015 , 89, 208-216	29
904	Voltammetric techniques at chemically modified electrodes. 2015 , 70, 399-418	31
903	Voltammetric Sensor for Sudan I Based on Glassy Carbon Electrode Modified by SWCNT/ECyclodextrin Conjugate. 2015 , 10, 1550026	5
902	Radio frequency plasma mediated dry functionalization of multiwall carbon nanotube. 2015 , 340, 64-71	23
901	Synthesis of Novel CuO Nanosheets with Porous Structure and Their Non-Enzymatic Glucose Sensing Applications. <i>Electroanalysis</i> , 2015 , 27, 1238-1244	15
900	Electrocatalytic oxidation of NADH at low overpotential using nanoporous poly(3,4)-ethylenedioxythiophene modified glassy carbon electrode. 2015 , 746, 75-81	32
899	Electroactive biocompatible materials for nerve cell stimulation. 2015 , 2, 042001	15
898	Carbon nanotube catalysts: recent advances in synthesis, characterization and applications. 2015 , 44, 3295-346	477
897	Stabilization of Prussian blue with polyaniline and carbon nanotubes in neutral media for in vivo determination of glucose in rat brains. 2015 , 140, 3746-52	32
896	Enhanced amperometric response of a glucose oxidase and horseradish peroxidase based bienzyme glucose biosensor modified with a film of polymerized toluidine blue containing reduced graphene oxide. 2015 , 182, 1949-1956	22
895	Size reduction of 3D-polymer-coated single-walled carbon nanotubes by ultracentrifugation. 2015 , 7, 19534-9	7
894	The art of signal transforming: electrodes and their smart applications in electrochemical sensing. 2015 , 7, 9732-9743	14
893	Solid Electrodes in Drug Analysis. 2015 , 83-118	2
892	Biocatalytic Janus membranes for CO2 removal utilizing carbonic anhydrase. 2015 , 3, 17032-17041	78

891	Electrode E lectrolyte Interfacial Processes in Ionic Liquids and Sensor Applications. 2015 , 7-74	1
890	WITHDRAWN: Electrochemical behavior of kaempferol and its determination in presence of quercetin employing multi-walled carbon nanotube modified carbon paste electrode. 2015 ,	1
889	Single walled carbon nanotube network Tetrahedral amorphous carbon composite film. 2015 , 117, 225302	8
888	Electrochemical signatures of multivitamin mixtures. 2015 , 140, 7522-6	14
887	Self-assembly synthesis of Co3O4/multiwalled carbon nanotube composites: an efficient enzyme-free glucose sensor. 2015 , 39, 9735-9742	21
886	Electrochemical sensing using boronic acids. 2015 , 51, 14562-73	63
885	Electrochemistry in Ionic Liquids. 2015,	6
884	Direct electron transfer of Phanerochaete chrysosporium cellobiose dehydrogenase at platinum and palladium nanoparticles decorated carbon nanotubes modified electrodes. 2015 , 17, 24157-65	11
883	Structure-switching of an organothiol neutral carrier by gold nanoparticles decorated on SH-MWCNTs for ultra-trace voltammetric assay of Hg(II) using a carbon paste electrode. 2015 , 7, 7765-7775	8
882	miRNA Electrochemical Detection. 2015 , 37-56	
881	The development of a cholesterol biosensor using a liquid crystal/aqueous interface in a SDS-included Etyclodextrin aqueous solution. 2015 , 893, 101-7	21
880	A Paper-Based Electrochemical Sensor Using Inkjet-Printed Carbon Nanotube Electrodes. 2015 , 4, S3044-S304	4 7 70
879	Protein functionalized carbon nanomaterials for biomedical applications. 2015 , 95, 767-779	147
878	Ultrasensitive electrochemical assay of hydrogen peroxide and glucose based on PtNi alloy decorated MWCNTs. 2015 , 5, 102877-102884	12
877	Electrochemically Functionalized Seamless Three-Dimensional Graphene-Carbon Nanotube Hybrid for Direct Electron Transfer of Glucose Oxidase and Bioelectrocatalysis. 2015 , 31, 13054-61	49
876	Functional materials from cellulose-derived liquid-crystal templates. 2015 , 54, 2888-910	269
875	Preparation, characterization and properties of polycaprolactone diol-functionalized multi-walled carbon nanotube/thermoplastic polyurethane composite. 2015 , 70, 8-15	39
874	Water-dispersed carboxymethyl cellulose-montmorillonite-single walled carbon nanotube composite with enhanced sensing performance for simultaneous voltammetric determination of two trace phytohormones. 2015 , 19, 2023-2037	35

(2015-2015)

873	nanoparticles/multi-wall carbon nanotube nanocomposite electrode in tablet and urine samples. 2015 , 7, 1026-1035	24
872	Funktionsmaterialien mit Cellulose-basierten Flßsigkristall-Templaten. 2015 , 127, 2930-2953	10
871	Blood biocompatibility of surface-bound multi-walled carbon nanotubes. 2015 , 11, 39-46	18
870	Electrochemical behavior of a pheochromocytoma cell suspension and the effect of acrylamide on the voltammetric response. 2015 , 7, 478-485	2
869	Electrochemical investigation of the interaction between topotecan and DNA at disposable graphite electrodes. 2015 , 102, 21-8	42
868	Multifunctional carbon nanotubes/ruthenium purple thin films: preparation, characterization and study of application as sensors and electrochromic materials. 2015 , 44, 5985-95	17
867	Bulk synthesis of green carbon nanomaterials from Desmostachya bipinnata for the development of functional polyurethane hybrid coatings. 2015 , 79, 37-42	14
866	On nonlinear behavior and buckling of fluid-transporting nanotubes. 2015 , 87, 13-22	39
865	Immunosensor based on carbon nanotube/manganese dioxide electrochemical tags. 2015 , 853, 228-233	30
864	Protein adsorption onto nanomaterials for the development of biosensors and analytical devices: a review. 2015 , 872, 7-25	166
863	Zinc Oxide Nanowire Decorated Single-Use Electrodes for Electrochemical DNA Detection. 2015 , 98, 663-668	6
862	Development of a novel MWCNTs-triazene-modified carbon paste electrode for potentiometric assessment of Hg(II) in the aquatic environments. 2015 , 47, 273-80	26
861	Nanomedical engineering: shaping future nanomedicines. 2015 , 7, 169-88	48
860	Synergistic Effect of Graphene and Multiwalled Carbon Nanotubes on a Glassy Carbon Electrode for Simultaneous Determination of Uric Acid and Dopamine in the Presence of Ascorbic Acid. 2015 , 48, 248-258	19
859	Designing a nanostructure-based modified electrode as a biosensor for simultaneous determination of tryptophan and uric acid. 2015 , 7, 466-471	5
858	Design, modeling and performance analysis of carbon nanotube with DNA strands as biosensor for prostate cancer. 2015 , 21, 791-800	15
857	Surface treatment on amorphous InGaZnO4 thin film for single-stranded DNA biosensing. 2015 , 324, 310-318	5
856	Carbon nanotube based biosensors. 2015 , 207, 690-715	321

855	Applications of CNTs. 2015 , 189-205	О
854	Fabrication of copper nanoparticles decorated multiwalled carbon nanotubes as a high performance electrochemical sensor for the detection of neotame. 2015 , 67, 200-7	28
853	Sensitive amperometric determination of methimazole based on the electrocatalytic effect of rutin/multi-walled carbon nanotube film. 2015 , 101, 66-74	17
852	Graphitized carbon nanofiber-Pt nanoparticle hybrids as sensitive tool for preparation of screen printing biosensors. Detection of lactate in wines and ciders. 2015 , 101, 58-65	47
851	Tailored carbon nanotube immunosensors for the detection of microbial contamination. 2015 , 67, 642-8	26
850	Application of nanomaterials in microbial-cell biosensor constructions. 2015 , 69,	12
849	Layer-by-layer scaffold formation using magnetic attraction between HiPCO single-walled carbon nanotubes and magnetic nanoparticles: Application for high performance immunosensors. 2015 , 81, 731-738	4
848	Immobilization of superoxide dismutase on Pt-Pd/MWCNTs hybrid modified electrode surface for superoxide anion detection. 2015 , 67, 79-85	61
847	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. 2015 , 7, 4598-810	2015
846	Nanostructured Materials: Bioengineering Platforms for Sensing Nucleic Acids. 2016 ,	2
846 845	Nanostructured Materials: Bioengineering Platforms for Sensing Nucleic Acids. 2016 , Monitoring of Glucose in Beer Brewing by a Carbon Nanotubes Based Nylon Nanofibrous Biosensor. 2016 , 2016, 1-11	2
	Monitoring of Glucose in Beer Brewing by a Carbon Nanotubes Based Nylon Nanofibrous	
845	Monitoring of Glucose in Beer Brewing by a Carbon Nanotubes Based Nylon Nanofibrous Biosensor. 2016 , 2016, 1-11 Catalase-Based Modified Graphite Electrode for Hydrogen Peroxide Detection in Different	14
845	Monitoring of Glucose in Beer Brewing by a Carbon Nanotubes Based Nylon Nanofibrous Biosensor. 2016 , 2016, 1-11 Catalase-Based Modified Graphite Electrode for Hydrogen Peroxide Detection in Different Beverages. 2016 , 2016, 8174913 Recent Advances in the Fabrication and Application of Screen-Printed Electrochemical (Bio)Sensors	14
845 844 843	Monitoring of Glucose in Beer Brewing by a Carbon Nanotubes Based Nylon Nanofibrous Biosensor. 2016, 2016, 1-11 Catalase-Based Modified Graphite Electrode for Hydrogen Peroxide Detection in Different Beverages. 2016, 2016, 8174913 Recent Advances in the Fabrication and Application of Screen-Printed Electrochemical (Bio)Sensors Based on Carbon Materials for Biomedical, Agri-Food and Environmental Analyses. 2016, 6, Graphene-Gold Nanoparticles Hybrid-Synthesis, Functionalization, and Application in a	14 10 67
845 844 843	Monitoring of Glucose in Beer Brewing by a Carbon Nanotubes Based Nylon Nanofibrous Biosensor. 2016, 2016, 1-11 Catalase-Based Modified Graphite Electrode for Hydrogen Peroxide Detection in Different Beverages. 2016, 2016, 8174913 Recent Advances in the Fabrication and Application of Screen-Printed Electrochemical (Bio)Sensors Based on Carbon Materials for Biomedical, Agri-Food and Environmental Analyses. 2016, 6, Graphene-Gold Nanoparticles Hybrid-Synthesis, Functionalization, and Application in a Electrochemical and Surface-Enhanced Raman Scattering Biosensor. 2016, 9,	14 10 67 137
845 844 843 842 841	Monitoring of Glucose in Beer Brewing by a Carbon Nanotubes Based Nylon Nanofibrous Biosensor. 2016, 2016, 1-11 Catalase-Based Modified Graphite Electrode for Hydrogen Peroxide Detection in Different Beverages. 2016, 2016, 8174913 Recent Advances in the Fabrication and Application of Screen-Printed Electrochemical (Bio)Sensors Based on Carbon Materials for Biomedical, Agri-Food and Environmental Analyses. 2016, 6, Graphene-Gold Nanoparticles Hybrid-Synthesis, Functionalization, and Application in a Electrochemical and Surface-Enhanced Raman Scattering Biosensor. 2016, 9, Carbon Nanotube Paper-Based Electroanalytical Devices. 2016, 7,	14 10 67 137

837	Triazine-Carbon Nanotubes: New Platforms for the Design of Flavin Receptors. 2016 , 22, 8879-88	2
836	Ecoupling server: A tool to compute and analyze electronic couplings. 2016 , 37, 1740-5	7
835	Thickness dependence of thermally induced changes in surface and bulk properties of Nafion nanofilms. 2016 , 54, 1267-1277	29
834	Recent Progress in Materials and Devices toward Printable and Flexible Sensors. 2016 , 28, 4415-40	487
833	Contrasts between Mild and Harsh Oxidation of Carbon Nanotubes in terms of their Properties and Electrochemical Performance. 2016 , 3, 1713-1719	9
832	MORPHOLOGY EFFECT OF NiAg/CARBON NANOMATERIALS ON THEIR ELECTROCATALYTIC ACTIVITY FOR GLUCOSE OXIDATION. 2016 , 23, 1650059	4
831	A novel nanopin model based on a Y-junction carbon nanotube. 2016 , 120, 064301	2
830	6 Nanobiotechnology for Enzymatic Sensors. 2016 , 161-182	
829	Current achievements of nanoparticle applications in developing optical sensing and imaging techniques. 2016 , 3, 30	31
828	Effect of tetrahedral amorphous carbon coating on the resistivity and wear of single-walled carbon nanotube network. 2016 , 119, 185306	5
827	Voltammetric determination of 4-chlorophenol using multiwall carbon nanotube/gold nanoparticle nanocomposite modified glassy carbon electrodes. 2016 , 6, 34692-34698	13
826	Carbon Nanotube B ased Electrodes for Detection of Lowppb Level Hexavalent Chromium Using Amperometry. 2016 , 5, M3026-M3031	7
825	Tartrate Resistant Acid Phosphatase Assisted Degradation of Single-Wall Carbon Nanotubes (SWCNTs). 2016 , 2, 712-721	4
824	Hybrid of ZnONPs/MWCNTs for electrochemical detection of aspartame in food and beverage samples. 2016 , 774, 51-57	19
823	Supramolecular electrospun nanofibers with high conductivity at ultra-low carbon nanotube content. 2016 , 4, 5207-5213	11
822	Novel Electrochemical DNA Biosensors as Tools for Investigation and Detection of DNA Damage. 2016 , 203-221	2
821	Crystallization Behavior, Morphology, and Properties of Novel Biodegradable Poly(ethylene succinate-co-decamethylene succinate)/Carboxyl-Functionalized Multiwalled Carbon Nanotube Nanocomposites. 2016 , 55, 3797-3803	4
820	Molecular modelling of translocation of biomolecules in carbon nanotubes: method, mechanism and application. 2016 , 42, 827-835	16

819	Hydrodynamic chronoamperometric determination of hydrogen peroxide using carbon paste electrodes coated by multiwalled carbon nanotubes decorated with MnO2 or Pt particles. 2016 , 233, 83-92	30
818	Tyrosine sensing on phthalic anhydride functionalized chitosan and carbon nanotube film coated glassy carbon electrode. 2016 , 52, 174-180	7
817	Electrochemical sensing platform amplified with a nanobiocomposite of L-phenylalanine ammonia-lyase enzyme for the detection of capsaicin. 2016 , 83, 45-53	29
816	Carbon Nanotubes in Biomedical Applications: Factors, Mechanisms, and Remedies of Toxicity. 2016 , 59, 8149-67	222
815	Biodegradable electronics: cornerstone for sustainable electronics and transient applications. 2016 , 4, 5531-5558	124
814	Modification of Glassy Carbon Electrode with a Bilayer of Multiwalled Carbon Nanotube/Poly (l-arginine) in the Presence of Surfactant: Application to Discrimination and Simultaneous Electrochemical Determination of Dihydroxybenzene Isomers. 2016 , 163, B358-B365	9
813	Electrochemical evaluation of antioxidant capacity in pharmaceutical antioxidant excipient of drugs on guanine-based modified electrode. 2016 , 772, 58-65	10
812	Emergence of fluorescence in boron nitride nanoflakes and its application in bioimaging. 2016 , 6, 48025-4803	3223
811	An Efficient, Recyclable, and Stable Immobilized Biocatalyst Based on Bioinspired Microcapsules-in-Hydrogel Scaffolds. 2016 , 8, 25152-61	13
810	Bond strength of individual carbon nanotubes grown directly on carbon fibers. 2016 , 27, 405704	3
809	Electrochemical catalysis at low dimensional carbons: Graphene, carbon nanotubes and beyond IA review. 2016 , 5, 134-141	66
808	Improved electrochemical performance of polyindole/carbon nanotubes composite as electrode material for supercapacitors. 2016 , 12, 830-840	23
807	Combined covalent and noncovalent carboxylation of carbon nanotubes for sensitivity enhancement of clinical immunosensors. 2016 , 52, 13039-13042	20
806	Triboelectricity Generation from Vertically Aligned Carbon Nanotube Arrays. 2016 , 8, 27454-27457	18
805	Electrocatalytic oxidation of ethanol using modified nickel phosphate nanoparticles and multi-walled carbon nanotubes paste electrode in alkaline media for fuel cell. 2016 , 41, 20085-20099	21
804	Efficient storage mechanisms for building better supercapacitors. 2016 , 1,	1256
803	A ZnOIINT nanocomposite based electrochemical DNA biosensor for meningitis detection. 2016 , 6, 76214-76222	15
802	Improved electrocatalytic response toward hydrogen peroxide reduction of sulfanyl porphyrazine/multiwalled carbon nanotube hybrids deposited on glassy carbon electrodes. 2016 , 134, 569-579	18

(2016-2016)

801	Diffusion of H2 and D2 Confined in Single-Walled Carbon Nanotubes: Quantum Dynamics and Confinement Effects. 2016 , 120, 6501-12	15
800	Voltammetric sensors based on gel composites containing carbon nanotubes and an ionic liquid. 2016 , 71, 814-822	2
799	(Bio)electroanalytical Applications of Carbon Nanoparticles. <i>Electroanalysis</i> , 2016 , 28, 46-57	9
798	Nanocarbon Electrochemistry and Electroanalysis: Current Status and Future Perspectives. Electroanalysis, 2016 , 28, 27-34	68
797	Thermal and mechanical properties of single-walled and multi-walled carbon nanotube polycarbonate polyurethane composites with a focus on self-healing. 2016 , 107, 692-702	3
796	A Composite Fabrication Sensor Based on Electrochemical Doping of Carbon Nanotube Yarns. 2016 , 26, 7139-7147	29
795	Graphene Thin Films for Unusual Format Electronics. 2016 , 133-164	
794	Controllable graphene oxide mediated efficient electron transfer pathways across self-assembly monolayers: A new class of graphene based electrodes. 2016 , 210, 539-547	4
793	3D Printing of Highly Conductive Nanocomposites for the Functional Optimization of Liquid Sensors. 2016 , 12, 6076-6082	74
792	Strain sensing and structural health monitoring using nanofilms and nanocomposites. 2016 , 303-326	2
791	Arginine Suppresses the Adsorption of Lysozyme onto Single-wall Carbon Nanotubes. 2016 , 45, 952-954	5
790	Computational Study of the Stability of Nanotube Fragments. 2016 , 22, 15501-15507	
789	The role of nanomaterials in electroanalytical biosensors: A mini review. 2016 , 781, 401-409	68
788	Origin of the different behavior of some platinum decorated nanocarbons towards the electrochemical oxidation of hydrogen peroxide. 2016 , 184, 269-278	13
787	Voltammetric paracetamol sensor using a gold electrode made from a digital versatile disc chip and modified with a hybrid material consisting of carbon nanotubes and copper nanoparticles. 2016 , 183, 3001-3007	9
786	Biosensors for Early Disease Diagnosis. 2016 , 235-270	Ο
785	Enzyme free detection of staphylococcal enterotoxin B (SEB) using ferrocene carboxylic acid labeled monoclonal antibodies: an electrochemical approach. 2016 , 40, 8334-8341	12
784	Biomedical Applications of Carbon Nanomaterials. 2016 , 131-162	2

783	Efficient Enzymatic Oxidation of Glucose Mediated by Ferrocene Covalently Attached to Polyethylenimine Stabilized Gold Nanoparticles. <i>Electroanalysis</i> , 2016 , 28, 2728-2736	7
782	The effects of shear and particle shape on the physical adsorption of polyvinyl pyrrolidone on carbon nanoparticles. 2016 , 27, 325709	8
781	Fabrication of a carbon nanotube-polyurethane composite electrode by in situ polyaddition for use in amperometric detection in capillary electrophoresis. 2016 , 183, 2579-2587	9
780	Electropolymerization of Ecyclodextrin onto multi-walled carbon nanotube composite films for enhanced selective detection of uric acid. 2016 , 783, 192-200	27
779	Comparison of different carbon nanostructures influence on potentiometric performance of carbon paste electrode. 2016 , 52, 955-959	6
778	Stretchable Biofuel Cells as Wearable Textile-based Self-Powered Sensors. 2016 , 4, 18342-18353	197
777	Development of carbon nanotube-based biosensors. 2016 , 6, 83	10
776	A toolkit of thread-based microfluidics, sensors, and electronics for 3D tissue embedding for medical diagnostics. 2016 , 2, 16039	124
775	Polyaniline-based glucose biosensor: A review. 2016 , 782, 138-153	90
774	The electrophotonic silicon biosensor. 2016 , 7, 12769	46
774 773	The electrophotonic silicon biosensor. 2016 , 7, 12769 Nanoparticles (NPs) for Biosensing Applications: Current Aspects and Prospects. 2016 , 177-209	46
		46 2
773	Nanoparticles (NPs) for Biosensing Applications: Current Aspects and Prospects. 2016 , 177-209 Functionalization of Single-walled Carbon Nanotubes with Thermo-reversible Block Copolymers	
773 772	Nanoparticles (NPs) for Biosensing Applications: Current Aspects and Prospects. 2016 , 177-209 Functionalization of Single-walled Carbon Nanotubes with Thermo-reversible Block Copolymers and Characterization by Small-angle Neutron Scattering. 2016 , An electrochemical aptasensor based on TiO2/MWCNT and a novel synthesized Schiff base	2
773 772 771	Nanoparticles (NPs) for Biosensing Applications: Current Aspects and Prospects. 2016 , 177-209 Functionalization of Single-walled Carbon Nanotubes with Thermo-reversible Block Copolymers and Characterization by Small-angle Neutron Scattering. 2016 , An electrochemical aptasensor based on TiO2/MWCNT and a novel synthesized Schiff base nanocomposite for the ultrasensitive detection of thrombin. 2016 , 85, 828-836 Effect of platinum nanoparticle deposition parameters on hydrogen peroxide transduction for	64
773 772 771 770	Nanoparticles (NPs) for Biosensing Applications: Current Aspects and Prospects. 2016, 177-209 Functionalization of Single-walled Carbon Nanotubes with Thermo-reversible Block Copolymers and Characterization by Small-angle Neutron Scattering. 2016, An electrochemical aptasensor based on TiO2/MWCNT and a novel synthesized Schiff base nanocomposite for the ultrasensitive detection of thrombin. 2016, 85, 828-836 Effect of platinum nanoparticle deposition parameters on hydrogen peroxide transduction for applications in wearable electrochemical glucose biosensors. 2016, Hierarchical coreBhell structure of ZnO nanotube/MnO2 nanosheet arrays on a 3D graphene	2 64 0
773 772 771 770 769	Nanoparticles (NPs) for Biosensing Applications: Current Aspects and Prospects. 2016, 177-209 Functionalization of Single-walled Carbon Nanotubes with Thermo-reversible Block Copolymers and Characterization by Small-angle Neutron Scattering. 2016, An electrochemical aptasensor based on TiO2/MWCNT and a novel synthesized Schiff base nanocomposite for the ultrasensitive detection of thrombin. 2016, 85, 828-836 Effect of platinum nanoparticle deposition parameters on hydrogen peroxide transduction for applications in wearable electrochemical glucose biosensors. 2016, Hierarchical coreBhell structure of ZnO nanotube/MnO2 nanosheet arrays on a 3D graphene network as a high performance biosensing platform. 2016, 6, 61190-61199 Photon induced separation of bio-nano hybrid complex based on carbon nanotubes and optically	2 64 0

765 Mechanical Properties of Graphene Sheets. **2016**, 77-94

764	Recent developments on the modification of graphite electrodes with nanoparticles. 2016 , 89, 480-488	4
763	Plasma treatment of multi-walled carbon nanotubes for lipase immobilization. 2016 , 33, 1653-1658	9
762	Transparent carbon nanotube film as sensitive material for surface plasmon resonance based optical sensors. 2016 , 236, 1098-1103	12
761	Design of a Prussian Blue Analogue/Carbon Nanotube Thin-Film Nanocomposite: Tailored Precursor Preparation, Synthesis, Characterization, and Application. 2016 , 22, 6643-53	21
760	Engineering the bioelectrochemical interface using functional nanomaterials and microchip technique toward sensitive and portable electrochemical biosensors. 2016 , 76, 80-90	78
759	Carbon nanotubes buckypaper radiation studies for medical physics applications. 2016 , 117, 106-110	13
758	Electrochemical sensing of levodopa or carbidopa using a glassy carbon electrode modified with carbon nanotubes within a poly(allylamine hydrochloride) film. 2016 , 8, 1274-1280	12
757	A simple label-free electrochemical DNA biosensor based on carbon nanotube DNA interaction. 2016 , 6, 15592-15598	26
756	High temperature low vacuum synthesis of a freestanding three-dimensional graphene nano-ribbon foam electrode. 2016 , 4, 2617-2629	17
755	Determination of Hydroquinone with a Carbon Nanotube/Polyurethane Resin Composite Electrode. 2016 , 49, 1513-1525	6
754	Efficient electrocatalytic reduction and detection of hydrogen peroxide at an IrIVOxIH2O nanostructured electrode prepared by electroflocculation. 2016 , 187, 256-263	5
753	Electrochemistry of ferrocene derivatives on highly oriented pyrolytic graphite (HOPG): quantification and impacts of surface adsorption. 2016 , 18, 4966-77	35
752	Anodic Methods for Covalent Attachment of Ethynylferrocenes to Electrode Surfaces: Comparison of Ethynyl Activation Processes. 2016 , 32, 1645-57	8
751	Waterproof Electronic-Bandage with Tunable Sensitivity for Wearable Strain Sensors. 2016 , 8, 2866-71	60
750	A CMOS Amperometric System for Multi-Neurotransmitter Detection. 2016 , 10, 731-41	16
749	Optical sensing and biosensing based on non-spherical noble metal nanoparticles. 2016 , 408, 2813-25	25
748	Recent development of carbon electrode materials and their bioanalytical and environmental applications. 2016 , 45, 715-52	205

747	Electrochemical behavior of kaempferol and its determination in presence of quercetin employing multi-walled carbon nanotube modified carbon paste electrode. 2016 , 7, 1-8	13
746	Towards high-efficiency nanoelectrocatalysts for oxygen reduction through engineering advanced carbon nanomaterials. 2016 , 45, 1273-307	510
745	Overview of nano-enabled screening of drug-facilitated crime: A promising tool in forensic investigation. 2016 , 80, 458-470	16
744	Improving the dissolution of fenofibrate with yeast cell-derived hollow core/shell carbon microparticles. 2016 , 6, 30226-30233	2
743	Effects of amino group on the properties of carbon nanotubes. 2016 , 24, 249-252	2
742	Facile growth of Ag@Pt bimetallic nanorods on electrochemically reduced graphene oxide for an enhanced electrooxidation of hydrazine. 2016 , 128, 357-363	14
741	Nanomaterial based electrochemical sensors for in vitro detection of small molecule metabolites. 2016 , 34, 234-49	69
740	Growing Carbon Nanotubes from Both Sides of Graphene. 2016 , 8, 7356-62	32
739	Effect of Tunnel Junctions and Coulomb Blockade on Semiconducting Property of Networks of Single-Wall Carbon Nanotubes. 2016 , 120, 3646-3653	3
738	Multifunctional electrocatalytic hybrid carbon nanocables with highly active edges on their walls. 2016 , 8, 6700-11	10
737	Nickel Nanoparticles Entangled in Carbon Nanotubes: Novel Ink for Nanotube Printing. 2016 , 8, 1589-93	21
736	SWCNT-modified carbon paste electrode as an electrochemical sensor for histamine determination in alcoholic beverages. 2016 , 9, 2701-2710	40
735	Nucleic acid tool enzymes-aided signal amplification strategy for biochemical analysis: status and challenges. 2016 , 408, 2793-811	31
734	Electrochemical and photoelectrochemical nano-immunesensing using origami paper based method. 2016 , 61, 979-1001	41
733	Biomedical Perspective of Electrochemical Nanobiosensor. 2016 , 8, 193-203	43
732	Highly Stretchable Fully-Printed CNT-Based Electrochemical Sensors and Biofuel Cells: Combining Intrinsic and Design-Induced Stretchability. 2016 , 16, 721-7	229
731	A label-free electrochemical immunosensor for hepatitis B based on hyaluronic acid-carbon nanotube hybrid film. 2016 , 148, 209-15	42
730	Enhanced peroxidase-like activity of porphyrin functionalized ceria nanorods for sensitive and selective colorimetric detection of glucose. 2016 , 59, 445-453	43

729	One-pot titration methodology for the characterization of surface acidic groups on functionalized carbon nanotubes. 2016 , 96, 729-741	15
728	Electrochemical sensing platforms based on the different carbon derivative incorporated interface. 2016 , 58, 790-8	15
727	Synthesis and utilization of carbon nanotubes for fabrication of electrochemical biosensors. 2016 , 73, 308-350	123
726	Rapid detection of multiple foodborne pathogens using a nanoparticle-functionalized multi-junction biosensor. 2016 , 77, 137-43	43
725	Carbon nanoparticle induced cytotoxicity in human mesenchymal stem cells through upregulation of TNF3, NFKBIA and BCL2L1 genes. 2016 , 144, 275-84	23
724	An enhanced electrochemical platform based on graphene oxide and multi-walled carbon nanotubes nanocomposite for sensitive determination of Sunset Yellow and Tartrazine. 2016 , 190, 889-895	142
723	Carbon nanomaterial-based electrochemical biosensors for label-free sensing of environmental pollutants. 2016 , 143, 85-98	136
722	Evaluation of the Enzymatic Activity of Glucose Oxidase Immobilized on Multiwalled Carbon Nanotubes and on Controlled Pore Glass by Sequential Injection Analysis. 2016 , 49, 639-653	
721	Electrochemical Immunosensors for Food Analysis: A Review of Recent Developments. 2017 , 50, 1-32	61
720	Label-free affinity biosensor arrays: novel technology for molecular diagnostics. 2017 , 14, 177-179	8
719	High-Curvature Nanostructuring Enhances Probe Display for Biomolecular Detection. 2017 , 17, 1289-1295	49
718	Advanced nanomaterials for use in electrochemical and optical immunoassays of carcinoembryonic antigen. A review. 2017 , 184, 389-414	67
717	Random copolymers of 1,2,3-benzotriazole and alkoxy-modified naptho[2,3-b:3,4-b?]dithiophene: Syntheses, characterization and optoelectronic properties. 2017 , 786, 50-57	2
716	High-Performance Ammonia Gas Sensors Based on Plasma Treated Carbon Nanostructures. 2017 , 17, 1964-1970	31
715	An Overview of Carbon Nanotubes and Graphene for Biosensing Applications. 2017, 9, 25	166
714	Computational modeling of functionalized multi-walled carbon nanotubes dispersed in polyethylenimine for electrochemical sensing of acetaminophen. 2017 , 246, 969-978	14
713	Application-Specific Catalyst Layers: Pt-Containing Carbon Nanofibers for Hydrogen Peroxide Detection. 2017 , 2, 496-507	15
712	Nanoparticle Bioconjugates: Materials that Benefit from Chemoselective and Bioorthogonal Ligation Chemistries. 2017 , 543-629	2

711	Implementation of a Simple Nanostructured Bio-electrode with Immobilized Rhus Vernicifera Laccase for Oxygen Sensing Applications. <i>Electroanalysis</i> , 2017 , 29, 1566-1572	5
710	Molecular dynamics of laser-assisted decomposition of unstable molecules at the surface of carbon nanotubes: case study of CH2(NO2)2 on CNT(4,0). 2017 , 115, 674-682	9
709	Impedimetric biosensor based on bimetallic AgPt nanoparticle-decorated carbon nanotubes as highly conductive film surface. 2017 , 21, 1699-1711	10
708	Electrochemical switching with a DNA aptamer-based electrochemical sensor. 2017 , 76, 925-933	19
707	Carbon Based Nanomaterials for High Performance Optoelectrochemical Systems. 2017 , 2, 1548-1555	27
706	Phthalocyanine Doped Metal Oxide Nanoparticles on Multiwalled Carbon Nanotubes Platform for the detection of Dopamine. 2017 , 7, 43181	60
705	Regulation of enzyme activity and stability through positional interaction with polyurethane nanofibers. 2017 , 121, 147-155	12
704	Nanotechnology for Electroanalytical Biosensors of Reactive Oxygen and Nitrogen Species. 2017 , 17, 886-901	11
703	Amperometric glucose biosensor based on immobilization of glucose oxidase on a magnetic glassy carbon electrode modified with a novel magnetic nanocomposite. 2017 , 249, 321-330	87
702	Scalable nanoparticle assembly on carbon nanotubes using flash-induced dewetting. 2017 , 51, 1299-1305	
701	Nanomaterial-based electrochemical sensors for detection of glucose and insulin. 2017 , 21, 2147-2166	45
700	Ambient Protection of Few-Layer Black Phosphorus via Sequestration of Reactive Oxygen Species. 2017 , 29, 1700152	103
699	Performance and stability of chitosan-MWCNTs-laccase biocathode: Effect of MWCNTs surface charges and ionic strength. 2017 , 799, 26-33	15
698	Spiral Countercurrent Chromatography Enrichment, Characterization, and Assays of Carbon Nanotube Chiralities for Use in Biosensors. 2017 , 2, 1156-1162	2
697	Voltammetric aptamer-based switch probes for sensing diclofenac using a glassy carbon electrode modified with a composite prepared from gold nanoparticles, carbon nanotubes and amino-functionalized Fe3O4 nanoparticles. 2017 , 184, 2825-2835	12
696	Design of Electrochemical Sensor Based on fMWCNT-CPE Decorated with Ti Nanofilm and Its Electrocatalytic Behavior Towards Aminotriazole. 2017 , 8, 196-213	15
695	Nanostructured photoactivatable electrode surface based on pyrene diazirine. 2017, 80, 5-8	7
694	A Simple and Sensitive Method for the Voltammetric Analysis of Theobromine in Food Samples Using Nanobiocomposite Sensor. 2017 , 10, 3375-3384	11

(2017-2017)

693	Multiwalled carbonnanotubes enhance the response and sensitivity of the ammonium biosensor based on alanine dehydrogenase. 2017 , 784, 102-108	11
692	Porous carbon and Prussian blue composite: A highly sensitive electrochemical platform for glucose biosensing. 2017 , 14, 47-53	7
691	Excellent electrocatalytic performance of a Ni2+-loaded multiwalled carbon nanotube composite in glucose oxidation. 2017 , 21, 2887-2898	1
690	Recent advances of conductive nanocomposites in printed and flexible electronics. 2017 , 26, 083001	52
689	Simultaneous Detection of Dopamine and Uric Acid on Indium Tin Oxides Modified with Cost-effective Gas-phase Synthesized Single Walled Carbon Nanotubes. <i>Electroanalysis</i> , 2017 , 29, 1925-1933	6
688	Controlled carbon nanotube layers for impedimetric immunosensors: High performance label free detection and quantification of anti-cholera toxin antibody. 2017 , 97, 177-183	27
687	Pt-Decorated MWCNTs-Ionic Liquid Composite-Based Hydrogen Peroxide Sensor To Study Microbial Metabolism Using Scanning Electrochemical Microscopy. 2017 , 89, 7709-7718	21
686	Bioelectrochemical Systems for Measuring Microbial Cellular Functions. <i>Electroanalysis</i> , 2017 , 29, 1498-1505	20
685	Screen-printed enzymatic glucose biosensor based on a composite made from multiwalled carbon nanotubes and palladium containing particles. 2017 , 184, 1987-1996	15
684	Detection of electrically neutral and nonpolar molecules in ionic solutions using silicon nanowires. 2017 , 28, 165501	2
683	Application of Carbon-Based Nanomaterials as Biosensor. 2017 , 87-127	3
682	Raman spectroscopy enabled investigation of carbon nanotubes quality upon dispersion in aqueous environments. 2017 , 12, 011004	13
681	Fitting Single-Walled Carbon Nanotube Optical Spectra. 2017 , 2, 1163-1171	40
680	Smart nanosensors for pesticide detection. 2017 , 519-559	13
679	Mitochondrial oxidative stress and dysfunction induced by single- and multiwall carbon nanotubes: A comparative study. 2017 , 105, 2047-2055	20
678	Enzyme-free uric acid electrochemical sensors using Exyclodextrin-modified carboxylic acid-functionalized carbon nanotubes. 2017 , 52, 6050-6062	25
677	Electrochemical bioassay development for ultrasensitive aptasensing of prostate specific antigen. 2017 , 91, 284-292	87
676	Geometrically nonlinear dynamic behavior on detection sensitivity of carbon nanotube-based mass sensor using finite element method. 2017 , 126, 39-49	9

675	Dynamic stability of single-walled carbon nanotube embedded in a viscoelastic medium under the influence of the axially harmonic load. 2017 , 162, 227-243	28
674	Adsorptive anodic stripping differential pulse voltammetric determination of CellCept at FeO nanoparticles decorated multi-walled carbon nanotubes modified glassy carbon electrode. 2017 , 520, 1-8	10
673	Fabrication of electrochemical nanosensor based on polyaniline film-coated AgNP-MWCNT-modified GCE and its application for trace analysis of fenitrothion. 2017 , 23, 1293-1308	24
672	Chemistry-Driven Approaches for Ultrasensitive Nucleic Acid Detection. 2017 , 139, 1020-1028	78
671	Efficient and Facile Fabrication of Glucose Biosensor Based on Electrochemically Etched Porous HOPG Platform. <i>Electroanalysis</i> , 2017 , 29, 944-949	3
670	Functionalization of carbon nanomaterials for advanced polymer nanocomposites: A comparison study between CNT and graphene. 2017 , 67, 1-47	380
669	An overview of cathode materials for microbial electrosynthesis of chemicals from carbon dioxide. 2017 , 19, 5748-5760	127
668	Recent Progress of Self-Powered Sensing Systems for Wearable Electronics. 2017 , 13, 1701791	141
667	Amperometric Sensors Based on Carbon Nanotubes in Layer-by-Layer Films. 2017 , 239-259	1
666	Tailoring electroactive surfaces by non-template molecular assembly. Towards electrooxidation of L-cysteine. 2017 , 254, 201-213	2
665	Applications of conducting polymer composites to electrochemical sensors: A review. 2017 , 9, 419-433	272
664	Nonlinear resonance responses of geometrically imperfect shear deformable nanobeams including surface stress effects. 2017 , 97, 115-125	12
663	Single wall carbon nanotube (SWCNT)gold nanorod (AuNR) conjugates via thermally-mild reaction conditions. 2017 , 41, 12392-12396	4
662	Carbon nanotubes stabilize poly(vinyl chloride) against thermal degradation. 2017, 144, 221-230	23
661	Quantitative Nanostructure Activity Relationships: Methods, Case Studies, and Perspectives. 2017, 361-376	1
660	Recessed Gold Nanoring-Ring Microarray Electrodes. 2017 , 89, 9870-9876	8
659	Recent developed different structural nanomaterials and their performance for supercapacitor application. 2017 , 9, 300-313	49
658	Cellobiose dehydrogenase: Insights on the nanostructuration of electrodes for improved development of biosensors and biofuel cells. 2017 , 9, 319-332	36

657	Introduction of Nanomaterials for Photocatalysis. 2017 , 1-17	2
656	Fluorine Functionalized Graphene Nano Platelets for Highly Stable Inverted Perovskite Solar Cells. 2017 , 17, 6385-6390	84
655	Synthesis, Assembly, and Applications of Hybrid Nanostructures for Biosensing. 2017 , 117, 12942-13038	191
654	Electrochemical Detection of Hemoglobin: A Review. <i>Electroanalysis</i> , 2017 , 29, 2190-2199	20
653	Real-time Selective Detection of Hydrogen Peroxide Based on a Tantalum Deposited Pencil Lead Electrode for Evaluation of Enzyme Activities. <i>Electroanalysis</i> , 2017 , 29, 2254-2260	
652	Immobilized copper ions on MWCNTS-Chitosan thin film: Enhanced amperometric sensor for electrochemical determination of diclofenac sodium in aqueous solution. 2017 , 42, 19951-19960	30
651	Layer-by-Layer AuNPs-SiPy+/Prussian blue nanoparticles modified electrodes: characterization and electrocatalytic effects. 2017 , 249, 104-112	9
650	Carbon Nanotubes Modified Graphite Electrodes for Monitoring of Biointeraction Between 6-Thioguanine and DNA. <i>Electroanalysis</i> , 2017 , 29, 2292-2299	9
649	Fabrication of a novel Ferrocene/Thionin bimediator modified electrode for the electrochemical determination of dopamine and hydrogen peroxide. 2017 , 802, 78-88	16
648	Globular Shaped Polypyrrole Doped Well-Dispersed Functionalized Multiwall Carbon Nanotubes/Nafion Composite for Enzymatic Glucose Biosensor Application. 2017 , 7, 16191	29
647	Assembly of carbon nanotubes into microparticles with tunable morphologies using droplets in a non-equilibrium state. 2017 , 7, 17773-17780	5
646	An Enhanced Platform to Analyse Low-Affinity Amyloid IProtein by Integration of Electrical Detection and Preconcentrator. 2017 , 7, 14303	15
645	Carboxylated-Graphene Decorated Pencil Graphite Electrode as a Platform for Voltammetric Detection of DNA. 2017 , 164, B723-B729	6
644	Towards a Versatile Photoreactive Platform for Biosensing Applications. 2017 , 1, 1	1
643	A novel electrochemical sensor based on Ag nanoparticles decorated multi-walled carbon nanotubes for applied determination of nitrite. 2017 , 73, 1507-1513	32
642	Inactivation of E. coli by nano-Cu/MWCNTs combined with hydrogen peroxide. 2017 , 574, 818-828	15
641	Trends in Bioelectroanalysis. 2017 ,	2
640	Nanomaterials for use in immunosensing of carcinoembryonic antigen (CEA): Recent advances. 2017 , 86, 185-205	69

639	Enzyme Stabilization and Immobilization. 2017,	13
638	Carbon Nanotubes for Sensing Applications. 2017 , 129-150	8
637	Layer-by-Layer Assembly of Glucose Oxidase on Carbon Nanotube Modified Electrodes. 2017 , 1504, 203-213	2
636	Electrochemical Biosensors for Early Stage Zika Diagnostics. 2017 , 35, 308-317	65
635	Enhancement of glucose oxide electron-transfer mechanism in glucose biosensor via optimum physical chemistry of functionalized carbon nanotubes. 2017 , 33,	6
634	Biomimetic and bioinspired approaches for wiring enzymes to electrode interfaces. 2017 , 10, 14-42	58
633	Functionalized multi-wall carbon nanotubes as an efficient additive for electrochemical DNA sensor. 2017 , 239, 652-659	33
632	Nanoparticles-assembled NiO nanosheets templated by graphene oxide film for highly sensitive non-enzymatic glucose sensing. 2017 , 238, 788-794	65
631	Printed organo-functionalized graphene for biosensing applications. 2017 , 87, 7-17	33
630	Enhanced Potentiometric Detection of Hydrogen Peroxide Using a Platinum Electrode Coated with Nafion. <i>Electroanalysis</i> , 2017 , 29, 223-230	20
629	Enzyme precipitate coating of pyranose oxidase on carbon nanotubes and their electrochemical applications. 2017 , 87, 365-372	24
628	Nanomaterials-based enzyme electrochemical biosensors operating through inhibition for biosensing applications. 2017 , 89, 886-898	133
627	Evaluation of Freshness of Fishes Using MWCNT/TiO2 Nanobiocomposites Based Biosensor. 2017 , 10, 522-528	12
626	Carbon-Based Nanomaterials. 2017 , 233-249	19
625	3.34 Biomaterials Challenges in Continuous Glucose Monitors In Vivo. 2017 , 755-770	
624	Bioengineered nanomaterials for chemotherapy. 2017 , 23-49	8
623	Poly(lactic acid) Composites Containing Carbon-Based Nanomaterials: A Review. 2017, 9,	84
622	Synergetic Effects of Combined Nanomaterials for Biosensing Applications. 2017 , 17,	34

621	Disease-Related Detection with Electrochemical Biosensors: A Review. 2017 , 17,	73
620	Chemical sensors based onlhybrid nanomaterials for food analysis. 2017 , 205-244	9
619	Contaminant sensors: nanosensors, an efficient alarm for food pathogen detection. 2017, 511-572	1
618	Polymeric Materials for Printed-Based Electroanalytical (Bio)Applications. 2017 , 5, 31	8
617	Directed Assembly of Carbon Nanotubes. 2017 , 27-45	
616	Novel functionalized multiwalled carbon nanotube-glassy carbon electrode for simultaneous determination of ascorbic acid and uric acid. 2018 , 11, 214-220	8
615	CNT Applications in Drug and Biomolecule Delivery. 2018, 61-64	9
614	Synthesis and Chemical Modification of Graphene. 2018 , 107-119	
613	Graphene Applications in Sensors. 2018 , 125-132	
612	Graphene Applications in Batteries and Energy Devices. 2018 , 133-139	2
611	Medical and Pharmaceutical Applications of Graphene. 2018 , 149-150	1
610	Graphene Applications in Specialized Materials. 2018 , 151-154	
609	Miscellaneous Applications of Graphene. 2018 , 155-155	
608	Basic Electrochromics of CPs. 2018 , 251-282	
607	Batteries and Energy Devices. 2018 , 575-600	
606	Brief, General Overview of Applications. 2018 , 43-44	
605	CNT Applications in Batteries and Energy Devices. 2018 , 49-52	1
604	Electroanalytical determination of eugenol in clove oil by voltammetry of immobilized microdroplets. 2018 , 22, 2277-2285	10

603	High-sensitivity pH sensor using separative extended-gate field-effect transistors with single-walled carbon-nanotube networks. 2018 , 57, 04FP02	12
602	Impedimetric quantification of anti-dengue antibodies using functional carbon nanotube deposits validated with blood plasma assays. 2018 , 274, 84-90	22
601	Disposable electrochemical aptasensor based on carbon nanotubes- V2O5-chitosan nanocomposite for detection of ciprofloxacin. 2018 , 268, 278-286	66
600	Electrochemical Biosensor Composed of Silver Ion-Mediated dsDNA on Au-Encapsulated Bi Se Nanoparticles for the Detection of H O Released from Breast Cancer Cells. 2018 , 14, e1703970	48
599	Interfacial bioconjugation on emulsion droplet for biosensors. 2018 , 26, 5307-5313	7
598	Multiwall carbon nanotube- zirconium oxide nanocomposite hollow fiber solid phase microextraction for determination of polyaromatic hydrocarbons in water, coffee and tea samples. 2018 , 1554, 8-15	34
597	Effect of the Synthesis Conditions and Microstructure for Highly Effective Electron Shields Production Based on Bi Coatings. 2018 , 1, 1695-1702	41
596	A base-stable metal-organic framework for sensitive and non-enzymatic electrochemical detection of hydrogen peroxide. 2018 , 274, 49-56	58
595	CIP2A immunosensor comprised of vertically-aligned carbon nanotube interdigitated electrodes towards point-of-care oral cancer screening. 2018 , 117, 68-74	29
594	Methodologies for "Wiring" Redox Proteins/Enzymes to Electrode Surfaces. 2018 , 24, 12164-12182	60
593	Asymptotic analysis of the GuyerKrumhanslBtefan model for nanoscale solidification. 2018, 61, 1-17	8
592	A promising electrochemical sensing platform based on copper nanoparticles-decorated polymer in carbon nanotube electrode for monitoring methimazole. 2018 , 15, 905-913	5
591	Application of nonlocal higher-order beam theory to transverse wave analysis of magnetically affected forests of single-walled carbon nanotubes. 2018 , 138-139, 1-16	16
590	Nanoscopic carbon electrodes: Structure, electrical properties and application for electrochemistry. 2018 , 130, 768-774	8
589	An electrochemical sensor for sensitive detection of dopamine based on MWCNTs/CeO2-PEDOT composite. 2018 , 813, 134-142	36
588	Carbon Nanotube Paper-based Electrode for Electrochemical Detection of Chemicals in Rat Microdialysate. <i>Electroanalysis</i> , 2018 , 30, 1022-1027	12
587	Nanostructured Electrochemical Biosensors for Label-Free Detection of Water- and Food-Borne Pathogens. 2018 , 10, 6055-6072	76
586	Advances in Carbon Nanotubes-Hydrogel Hybrids in Nanomedicine for Therapeutics. 2018 , 7, e1701213	86

(2018-2018)

585	A new composite consisting of electrosynthesized conducting polymers, graphene sheets and biosynthesized gold nanoparticles for biosensing acute lymphoblastic leukemia. 2018 , 121, 38-45	28
584	A biosensor based on fungal soil biomass for electrochemical detection of lead (II) and cadmium (II) by differential pulse anodic stripping voltammetry. 2018 , 813, 9-19	31
583	Engineered MoSe2-Based Heterostructures for Efficient Electrochemical Hydrogen Evolution Reaction. 2018 , 8, 1703212	107
582	Film-Free LIFT (FF-LIFT). 2018 , 123-146	
581	Alkaline phosphatase detection using electrochemical impedance of anti-alkaline phosphatase antibody (Ab354) functionalized silicon-nanowire-forest in phosphate buffer solution. 2018 , 259, 809-815	12
580	An ultrasensitive electrochemical sensor for direct determination of anticancer drug dacarbazine based on multiwall carbon nanotube-modified carbon paste electrode and application in pharmaceutical sample. 2018 , 15, 931-941	6
579	Patterned growth of carbon nanotube forests using Cu and Cu/Ag thin film reservoirs as growth inhibitors. 2018 , 130, 273-280	10
578	Protein bioelectronics: a review of what we do and do not know. 2018 , 81, 026601	123
577	Molecular dynamics of reactions between (4,0) zigzag carbon nanotube and hydrogen peroxide under extreme conditions. 2018 , 116, 708-716	4
576	Electrochemical sensing platform based on kelp-derived hierarchical meso-macroporous carbons. 2018 , 1003, 16-25	18
575	Hybrid porous thin films: Opportunities and challenges for sensing applications. 2018, 104, 120-137	26
574	Voltage-Controlled Spray Deposition of Multiwalled Carbon Nanotubes on Semiconducting and Insulating Substrates. 2018 , 47, 4604-4609	5
573	Ultrasensitive detection of hazardous reactive oxygen species using flexible organic transistors with polyphenol-embedded conjugated polymer sensing layers. 2018 , 355, 17-24	12
572	Voltammetric determination of meclizine HCL and its application in pharmaceuticals and biological fluid using CNTS/ZnO nano-carbon modified electrode. 2018 , 15, 1881-1888	1
571	Comparative analysis of single-walled and multi-walled carbon nanotubes for electrochemical sensing of glucose on gold printed circuit boards. 2018 , 90, 273-279	27
570	A nanocomposite-based biosensor for bovine haptoglobin on a 3D paper-based analytical device. 2018 , 265, 242-248	25
569	Molybdenum disulfide field-effect transistor biosensor for ultrasensitive detection of DNA by employing morpholino as probe. 2018 , 110, 71-77	38
568	Effect of multi-walled carbon nanotubes on the cross-linking density of the poly(glycerol sebacate) elastomeric nanocomposites. 2018 , 521, 24-32	16

567	Hybridization of cellulose nanofiber with amine-polymers and its ability on sick house syndrome gas decomposition. 2018 , 92, 106-111		8
566	Insight into the high-efficient functionalization of carbon nanotubes by advanced oxidation using peroxomonosulfate. 2018 , 260, 24-29		6
565	Advantages of Carbon Nanomaterials in Electrochemical Aptasensors for Food Analysis. <i>Electroanalysis</i> , 2018 , 30, 2-19	3	32
564	Synthesis, Characterization, and Applications of Carbon Nanotubes Functionalized with Magnetic Nanoparticles. 2018 , 37-57		5
563	Carbon Nanotube (CNT). 2018 , 229-257		1
562	New Generation of Ultrasensitive Label-Free Optical Si Nanowire-Based Biosensors. 2018 , 5, 471-479		25
561	The biomass of ground cherry husks derived carbon nanoplates for electrochemical sensing. 2018 , 255, 3248-3256		37
560	A multi-walled carbon nanotubes/cellulose acetate composite electrode (MWCNT/CA) as sensing probe for the amperometric determination of some catecholamines. 2018 , 255, 3533-3540		16
559	Room temperature monitoring of hydrogen peroxide vapor using platinum nanoparticles-decorated single-walled carbon nanotube networks. 2018 , 256, 744-750		23
558	Biofuel Cells. 2018 , 161-190		1
557	CMOS Circuits for Biological Sensing and Processing. 2018,		
			0
556	Inorganic Thin Film Deposition and Application on Organic Polymer Substrates. 2018 , 20, 1700868		19
556 555	Inorganic Thin Film Deposition and Application on Organic Polymer Substrates. 2018 , 20, 1700868 Recent advances in carbon nanotube based electrochemical biosensors. 2018 , 108, 687-703		
			19
555	Recent advances in carbon nanotube based electrochemical biosensors. 2018 , 108, 687-703		19
555 554	Recent advances in carbon nanotube based electrochemical biosensors. 2018, 108, 687-703 Nanostructured Materials for DNA Biochip. 2018, 221-262 Designing and fabrication of a novel sensitive electrochemical aptasensor based on poly (L-glutamic acid)/MWCNTs modified glassy carbon electrode for determination of tetracycline.		19
555 554 553	Recent advances in carbon nanotube based electrochemical biosensors. 2018, 108, 687-703 Nanostructured Materials for DNA Biochip. 2018, 221-262 Designing and fabrication of a novel sensitive electrochemical aptasensor based on poly (L-glutamic acid)/MWCNTs modified glassy carbon electrode for determination of tetracycline. 2018, 808, 311-320		19 147 35

(2018-2018)

549	Raman Spectroscopy as an Assay to Disentangle Zinc Oxide Carbon Nanotube Composites for Optimized Uric Acid Detection. 2018 , 6, 65	7
548	Time-resolved optical diagnostics of solution plasma formed with graphite electrodes. 2018 , 57, 0102B3	1
547	Fabrication of Electrochemical-Based Bioelectronic Device and Biosensor Composed of Biomaterial-Nanomaterial Hybrid. 2018 , 1064, 263-296	7
546	Electron transport through double-walled carbon nanotube quantum dots. 2018, 20, 1	2
545	A fully inkjet-printed disposable glucose sensor on paper. 2018 , 2,	84
544	Characteristics of Carbon Nanotubes for Nanoelectronic Device Applications. 2018, 597-628	
543	Enhanced Direct Electron Transfer of Fructose Dehydrogenase Rationally Immobilized on a 2-Aminoanthracene Diazonium Cation Grafted Single-Walled Carbon Nanotube Based Electrode. 2018 , 8, 10279-10289	30
542	Modified Electrodes for Selective Voltammetric Detection of Biomolecules. <i>Electroanalysis</i> , 2018 , 30, 2551-2574	13
541	A review on carbon nanotubes in biosensor devices and their applications in medicine. 2018 , 4, 36-57	120
540	Macromolecular crowding for materials-directed controlled self-assembly. 2018 , 6, 6344-6359	27
539	Characterization of the spatial elastoresistivity of inkjet-printed carbon nanotube thin films. 2018 , 27, 105009	14
538	Abnormal Anionic Porphyrin Sensing Effect for HER2 Gene Related DNA Detection via Impedance Difference between MWCNTs and Single-Stranded DNA or Double-Stranded DNA. 2018 , 23,	3
537	pH-Responsive DNA Nanolinker Conjugated Hybrid Materials for Electrochemical Microactuator and Biosensor Applications. 2018 , 1, 6630-6640	6
536	Detection of Peanut Allergen Ara h 6 in Commercially Processed Foods using a Single-Walled Carbon Nanotube-Based Biosensor. 2018 , 101, 1558-1565	12
535	Stress-activated pyrolytic carbon nanofibers for electrochemical platforms. 2018, 290, 639-648	7
534	Biomass waste derived carbon nanoballs aggregation networks-based aerogels as electrode material for electrochemical sensing. 2018 , 277, 195-204	37
533	Preparation of thiolated calix[8]arene/AuNPs/MWCNTs modified glassy carbon electrode and its electrocatalytic oxidation toward paracetamol. 2018 , 277, 289-296	29
532	A carbon nanotube integrated microfluidic device for blood plasma extraction. 2018 , 8, 13623	9

531	MWCNT/CdSe quantum dot modified glassy carbon electrode for the determination of clopidogrel bisulfate in tablet dosage form and serum samples. 2018 , 827, 51-57	9
530	Cost-effective synthesis of three-dimensional nitrogen-doped nanostructured carbons with hierarchical architectures from the biomass of sea-tangle for the amperometric determination of ascorbic acid. 2018 , 1029, 15-23	23
529	An electrochemical biosensor for sensitive detection of microRNAs based on target-recycled non-enzymatic amplification. 2018 , 271, 15-23	18
528	A Review on Graphene-Based Nanomaterials in Biomedical Applications and Risks in Environment and Health. 2018 , 10, 53	183
527	Carbon nanotube-based aptasensor for sensitive electrochemical detection of whole-cell Salmonella. 2018 , 554, 34-43	53
526	Vertical Graphene for Biosensors. 2018 , 37-56	1
525	Graphene and 2D-Like Nanomaterials: Different Biofunctionalization Pathways for Electrochemical Biosensor Development. 2018 , 1-35	6
524	Evaluation of new cholinium-amino acids based room temperature ionic liquids (RTILs) as immobilization matrix for electrochemical biosensor development: Proof-of-concept with Trametes Versicolor laccase. 2018 , 141, 346-352	15
523	Enhanced catalytic capability of electroactive biofilm modified with different kinds of carbon nanotubes. 2018 , 1035, 51-59	7
522	Simultaneous electrochemical sensing of warfarin and maycophenolic acid in biological samples. 2018 , 1034, 46-55	7
521	Evaluation of herringbone carbon nanotubes-modified electrodes for the simultaneous determination of ascorbic acid and uric acid. 2018 , 285, 284-291	31
520	Energy and environmental applications of graphene and its derivatives. 2018 , 105-129	3
519	Microporous N,P-Codoped Graphitic Nanosheets as an Efficient Electrocatalyst for Oxygen Reduction in Whole pH Range for Energy Conversion and Biosensing Dissolved Oxygen. 2018 , 24, 18487-184	93 ²³
518	Single-wall carbon nanotube based electrochemical immunoassay for leukemia detection. 2018 , 557, 111-119	17
517	Nondestructive Real-Time Monitoring of Enhanced Stem Cell Differentiation Using a Graphene-Au Hybrid Nanoelectrode Array. 2018 , 30, e1802762	34
516	Nanomaterials for the sensing of narcotics: Challenges and opportunities. 2018 , 106, 84-115	30
515	Copper Nanoparticle and Nitrogen Doped Graphite Oxide Based Biosensor for the Sensitive Determination of Glucose. 2018 , 8,	13
514	Nonenzymatic Glucose Biosensor Based on NiNPs/Nafion/Graphene Film for Direct Glucose Determination in Human Serum. 2018 , 13, 1850075	4

513	Nanowires for Biosensing: Lightguiding of Fluorescence as a Function of Diameter and Wavelength. 2018 , 18, 4796-4802		22
512	Variation of Carbon Based Materials on the Electropolymerization of Tyramine. <i>Electroanalysis</i> , 2018 , 30, 1545-1555	3	1
511	Preparation and application of hyperbranched polymer-modified polyethersulfone membrane containing NiPdBn-coated MWCNT for catalytic aryl halide coupling reactions. 2018 , 75, 5677-5694		2
510	Functionalized Carbon Nanomaterials for Biosensors. 2018 , 75-103		9
509	Conclusions and Future Developments in Biosensors. 2018 , 295-309		
508	Electrochemical sensor for trace determination of timolol maleate drug in real samples and drug residues using Nafion/carboxylated-MWCNTs nanocomposite modified glassy carbon electrode. 2018 , 143, 474-483		12
507	A novel molecularly imprinted sensing platform based on MWCNTs/AuNPs decorated 3D starfish like hollow nickel skeleton as a highly conductive nanocomposite for selective and ultrasensitive analysis of a novel pan-genotypic inhibitor velpatasvir in body fluids. 2018 , 271, 105-111		28
506	Electrochemically Exfoliated Carbon Quantum Dots Modified Electrodes for Detection of Dopamine Neurotransmitter. 2018 , 165, G3112-G3119		55
505	Contact dynamics of nanodroplets in carbon nanotubes: effects of electric field, tube radius, and salt ions. 2018 , 22, 1		4
504	Simultaneous co-immobilization of three enzymes onto a modified glassy carbon electrode to fabricate a high-performance amperometric biosensor for determination of total cholesterol. 2018 , 120, 587-595		26
503	Electronic Devices and Functional Structures Based on Nanostructured Semiconductors. 2018 , 53-99		
502	Wet-to-Dry Hybrid Spinning of Graphene Fiber Inspired by Spider Silk Production Mechanisms. 2018 , 5, 1800585		7
501	A novel impedimetric glucose biosensor based on immobilized glucose oxidase on a CuO-Chitosan nanobiocomposite modified FTO electrode. 2018 , 118, 649-660		36
500	An interdigitated electrode with dense carbon nanotube forests on conductive supports for electrochemical biosensors. 2018 , 143, 3635-3642		8
499	Electrochemical biosensor made with tyrosinase immobilized in a matrix of nanodiamonds and potato starch for detecting phenolic compounds. 2018 , 1034, 137-143		61
498	Chemically Enhanced Polymer-Coated Carbon Nanotube Electronic Gas Sensor for Isopropyl Alcohol Detection. 2018 , 3, 6230-6236		23
497	Nonlocal magneto-thermo-vibro-elastic analysis of vertically aligned arrays of single-walled carbon nanotubes. 2018 , 72, 497-515		7
496	Engineering Applications of Carbon Nanotubes. 2018 , 25-40		5

495	Patterning catalyst via inkjet printing to grow single-walled carbon nanotubes. 2019 , 30, 505-508	4
494	Biomedical applications of carbon nanomaterials: Drug and gene delivery potentials. 2018 , 234, 298-319	126
493	Molecular Sensors for NMR-Based Detection. 2019 , 119, 195-230	48
492	Electrochemical Enzyme Biosensors Revisited: Old Solutions for New Problems. 2019 , 49, 44-66	41
491	Functionalization of Carbon Nanostructures. 2019 , 123-144	14
490	Ligase chain reaction-based electrochemical biosensor for the ultrasensitive and specific detection of single nucleotide polymorphisms. 2019 , 43, 14327-14335	8
489	Surface modification methods for electrochemical biosensors. 2019 , 45-75	18
488	Mathematical modeling of a fractionally damped nonlinear nanobeam via nonlocal continuum approach. 2019 , 233, 7101-7115	2
487	Sensitive Determination of Acetaminophen in the Presence of Dopamine and Pyridoxine Facilitated by their Extent of Interaction with Single-walled Carbon Nanotubes. <i>Electroanalysis</i> , 2019 , 31, 2472-2479 ³	3
486	Functionalised multi-walled carbon nanotubes-modified electrode for sensitive determination of Diuron in seawater samples. 2019 , 99, 1565-1574	9
485	The Role of Electrochemical Immunosensors in Clinical Analysis. 2019 , 9,	75
484	Stretchable and Resilient Conductive Films on Polydimethylsiloxane from Reactive Polymer-Single-Walled Carbon Nanotube Complexes for Wearable Electronics. 2019 , 2, 4968-4973	4
483	Carbon nanotubes-based cues: A pathway to future sensing and detection of hazardous pollutants. 2019 , 292, 111425	38
482	Grafted biopolymers II: synthesis and characterization. 2019 , 43-63	O
481	Electrochemical detection of DNA mismatches using a branch-shaped hierarchical SWNT-DNA nano-hybrid bioelectrode. 2019 , 104, 109886	3
480	Carbon Nanostructures for Actuators: An Overview of Recent Developments. 2019 , 8, 46	7
479	Ultrasensitive ciprofloxacin assay based on the use of a fluorescently labeled aptamer and a nanocomposite prepared from carbon nanotubes and MoSe. 2019 , 186, 507	7
478	Probing DNA nucleobases with diamond (111) surfaces. 2019 , 3, 095007	

477	Topological Design of Graphene. 2019 , 1-44	2
476	Optical Microfiber Reader for Enzyme-Linked Immunosorbent Assay. 2019 , 91, 14141-14148	12
475	Periodic table of elements and nanotechnology. 2019 , 29, 479-485	9
474	Surfactant-Assisted Voltammetric Determination of Olanzapine at Amine Functionalized TiO2/Multi-Walled Carbon Nanotubes Nanocomposite. 2019 , 74, 1096-1103	3
473	Graphene-Based Biosensors: Fundamental Concepts, Outline of Utility, and Future Scopes. 2019 , 1-14	
472	A review on recent advancements in electrochemical biosensing using carbonaceous nanomaterials. 2019 , 186, 773	65
471	Environmental application of nanomaterials: A promise to sustainable future. 2019 , 1-54	16
470	Fundamentals and Applications of Redox Enzyme-functionalized Electrode Reactions. 2019, 87, 301-311	7
469	Investigation of Electrochemical Oxidation Mechanism, Thermodynamic Parameters and Sensor Design for Analgesic and Relaxant Drug: Phenyramidol in Aqueous Medium by NH2fMWCNT. 2019 , 166, B1209-B1216	3
468	Amperometric lactate nanobiosensor based on reduced graphene oxide, carbon nanotube and gold nanoparticle nanocomposite. 2019 , 186, 680	21
467	The effect of copolymerization and carbon nanoelements on the performance of poly(2,5-di(thienyl)pyrrole) biosensors. 2019 , 105, 110069	6
466	Glucose oxidase immobilized amine terminated multiwall carbon nanotubes/reduced graphene oxide/polyaniline/gold nanoparticles modified screen-printed carbon electrode for highly sensitive amperometric glucose detection. 2019 , 105, 110075	45
465	Electroanalysis of isoniazid and rifampicin: Role of nanomaterial electrode modifiers. 2019, 146, 111731	12
464	Cellulose nanocrystals in nanoarchitectonics Illowards photonic functional materials. 2019, 4, 29-48	40
463	Halogen Bonding Interactions for Aromatic and Nonaromatic Explosive Detection. 2019, 4, 389-397	15
462	Nanomaterials based optical and electrochemical sensing of histamine: Progress and perspectives. 2019 , 119, 99-109	33
461	A novel nanoporous bismuth electrode sensor for in situ heavy metal detection. 2019 , 298, 440-448	43
460	Molecularly Imprinted Polymer-Based Nanosensors for Pharmaceutical Analysis. 2019 , 231-271	2

459	Nanomaterials-Enriched Nucleic Acid-Based Biosensors. 2019 , 303-325	1
458	Nanomaterials-Based Enzyme Biosensors for Electrochemical Applications: Recent Trends and Future Prospects. 2019 , 381-408	4
457	Graphene Optical Biosensors. 2019 , 20,	39
456	Nanomaterial-based electrochemical (bio)-sensing: One step ahead in diagnostic and monitoring of metabolic rare diseases. 2019 , 118, 29-42	14
455	Nanostructured Gold Microelectrodes for Non-enzymatic Glucose Sensor. <i>Electroanalysis</i> , 2019 , 31, 1680 ₃ 1	689 6
454	Engineered Nanomaterial Assisted Signal-amplification Strategies for Enhancing Analytical Performance of Electrochemical Biosensors. <i>Electroanalysis</i> , 2019 , 31, 1615-1629	65
453	A new sensing platform based on NH2fMWCNTs for the determination of antiarrhythmic drug Propafenone in pharmaceutical dosage forms. 2019 , 174, 534-540	6
452	Effects of carboxyl single-walled carbon nanotubes on synthetic wastewater nutrient removal by an algal-bacterial consortium: Regulation and interaction. 2019 , 685, 997-1005	1
451	Modification of electron structure on the semiconducting single-walled carbon nanotubes for effectively electrosensing guanine and adenine. 2019 , 1079, 86-93	11
450	Diazirine-functionalized Nanostructured Platform for Enzymes Photografting and Electrochemical Biosensing. <i>Electroanalysis</i> , 2019 , 31, 1526-1534	3
449	Adaptable Xerogel-Layered Amperometric Biosensor Platforms on Wire Electrodes for Clinically Relevant Measurements. 2019 , 19,	3
448	Biosensors-Publication Trends and Knowledge Domain Visualization. 2019 , 19,	9
447	Nanomolar level sensing of glucose in food samples using glucose oxidase confined MWCNT-Inulin-TiO bio-nanocomposite. 2019 , 298, 124981	11
446	Strong Electrochemiluminescence Emission from Oxidized Multiwalled Carbon Nanotubes. 2019 , 15, e1901550	16
445	Synthesis Procedure of Highly Densely Packed Carbon Nanotube Forests on TiN. 2019, 9,	2
444	Facile synthesis of oxidized multi-walled carbon nanotubes functionalized with 5-sulfosalicylic acid/MoS2 nanosheets nanocomposites for electrochemical detection of copper ions. 2019 , 487, 766-772	18
443	Nanorfiren-Nanobody-Konjugate als zielgerichtete Sonden und Marker ffidie In-vivo-Nahinfrarot-Bildgebung. 2019 , 131, 11591	1
442	Nanobody-Conjugated Nanotubes for Targeted Near-Infrared In Vivo Imaging and Sensing. 2019 , 58, 11469-11473	36

(2019-2019)

441	nanotube/glutaraldehyde crosslinked acetylcholinesterase-wrapped bovine serum albumin nanocomposites. 2019 , 1074, 131-141	44
440	An electrochemical sensor for the determination of tartrazine based on CHIT/GO/MWCNTs/AuNPs composite film modified glassy carbon electrode. 2021 , 44, 447-457	9
439	Direct Determination of Bacterial Cell Viability Using Carbon Nanotubes Modified Screen-printed Electrodes. <i>Electroanalysis</i> , 2019 , 31, 1112-1117	13
438	Simultaneous voltammetric immunodetection of alpha-fetoprotein and glypican-3 using a glassy carbon electrode modified with magnetite-conjugated dendrimers. 2019 , 186, 255	17
437	Green and low-cost synthesis of nitrogen-doped graphene-like mesoporous nanosheets from the biomass waste of okara for the amperometric detection of vitamin C in real samples. 2019 , 200, 300-306	24
436	A Flexible Platform of Electrochemically Functionalized Carbon Nanotubes for NADH Sensors. 2019 , 19,	5
435	Nanomaterials for molecular sensing. 2019 , 413-487	2
434	A Cork-Based Smart Biosensing System for Ethanol. 2019 , 19, 2313-2319	2
433	Zip nucleic acid based single-use biosensor for electrochemical detection of Factor V Leiden mutation. 2019 , 288, 634-640	6
432	Effect of different SWCNT-BODIPY hybrid materials for selective and sensitive electrochemical detection of guanine and adenine. 2019 , 840, 10-20	18
431	Multi-labeled electrochemical sensor for cost-efficient detection of single nucleotide substitutions in folded nucleic acids. 2019 , 287, 569-575	9
430	NH2-Functionalized Multi Walled Carbon Nanotubes Decorated with ZnO Nanoparticles and Graphene Quantum Dots for Sensitive Assay of Pimozide. <i>Electroanalysis</i> , 2019 , 31, 1083-1094	12
429	A Facile and Efficient Protocol for Preparing Residual-Free Single-Walled Carbon Nanotube Films for Stable Sensing Applications. 2019 , 9,	13
428	Identification and preparation of stable water dispersions of protein - Carbon nanotube hybrids and efficient design of new functional materials. 2019 , 147, 70-82	20
427	Aligned CNT Forests on Stainless Steel Mesh for Flexible Supercapacitor Electrode with High Capacitance and Power Density. 2019 , 2, 1484-1495	22
426	Carbon Nanotubes and Graphene as Nanoreinforcements in Metallic Biomaterials: a Review. 2019 , 3, e1800212	38
425	Glucose biosensor based on open-source wireless microfluidic potentiostat. 2019 , 290, 616-624	23
424	Multifunctional flexible membranes based on reduced graphene oxide/tin dioxide nanocomposite and cellulose fibers. 2019 , 306, 420-426	11

423	Wearable Sensors for Biochemical Sweat Analysis. 2019 , 12, 1-22	157
422	Square Wave Anodic Stripping Voltammetric Determination of Paracetamol at Poly Luminol/Functionalized Multi-Walled Carbon Nanotubes Modified Glassy Carbon Electrode. 2019 , 55, 1151-1161	5
421	Flexible Carbon Nanotube Sensors with Screen Printed and Interdigitated Electrodes. 2019,	1
420	A glassy carbon electrode modified with reduced graphene oxide and gold nanoparticles for electrochemical aptasensing of lipopolysaccharides from Escherichia coli bacteria. 2019 , 186, 787	41
419	Increase of vanillin partitioning using aqueous two phase system with promising nanoparticles. 2019 , 9, 19665	7
418	Rapid and selective visual detection of DCNP (nerve gas mimic) in sea water and soil with a simple paper strip. 2019 , 1, 100014	7
417	Wearable Skin-Worn Enzyme-Based Electrochemical Devices: Biosensing, Energy Harvesting, and Self-Powered Sensing. 2019 ,	5
416	Electrochemistry of Controlled Diameter Carbon Nanotube Fibers at the Cross Section and Sidewall. 2019 , 2, 8757-8766	6
415	Sono-nano chemistry: A new era of synthesising polyhydroxylated carbon nanomaterials with hydroxyl groups and their industrial aspects. 2019 , 51, 451-461	19
414	Carbon Nanotube Chemical Sensors. 2019 , 119, 599-663	444
414	Carbon Nanotube Chemical Sensors. 2019, 119, 599-663 Directed and On-Demand Alignment of Carbon Nanotube: A Review toward 3D Printing of Electronics. 2019, 6, 1801318	444 69
	Directed and On-Demand Alignment of Carbon Nanotube: A Review toward 3D Printing of	
413	Directed and On-Demand Alignment of Carbon Nanotube: A Review toward 3D Printing of Electronics. 2019, 6, 1801318 RuO2 nanowires on electrospun CeO2-Au nanofibers/functionalized carbon nanotubes/graphite oxide nanocomposite modified screen-printed carbon electrode for simultaneous determination of	69
413 412	Directed and On-Demand Alignment of Carbon Nanotube: A Review toward 3D Printing of Electronics. 2019, 6, 1801318 RuO2 nanowires on electrospun CeO2-Au nanofibers/functionalized carbon nanotubes/graphite oxide nanocomposite modified screen-printed carbon electrode for simultaneous determination of serotonin, dopamine and ascorbic acid. 2019, 782, 824-836 Biohydrogen production by immobilized Enterobacter aerogenes on functionalized multi-walled	69
413 412 411	Directed and On-Demand Alignment of Carbon Nanotube: A Review toward 3D Printing of Electronics. 2019, 6, 1801318 RuO2 nanowires on electrospun CeO2-Au nanofibers/functionalized carbon nanotubes/graphite oxide nanocomposite modified screen-printed carbon electrode for simultaneous determination of serotonin, dopamine and ascorbic acid. 2019, 782, 824-836 Biohydrogen production by immobilized Enterobacter aerogenes on functionalized multi-walled carbon nanotube. 2019, 44, 14395-14405	69 21 25
413 412 411 410	Directed and On-Demand Alignment of Carbon Nanotube: A Review toward 3D Printing of Electronics. 2019, 6, 1801318 RuO2 nanowires on electrospun CeO2-Au nanofibers/functionalized carbon nanotubes/graphite oxide nanocomposite modified screen-printed carbon electrode for simultaneous determination of serotonin, dopamine and ascorbic acid. 2019, 782, 824-836 Biohydrogen production by immobilized Enterobacter aerogenes on functionalized multi-walled carbon nanotube. 2019, 44, 14395-14405 Synthesis, Characterization, and Applications of Carbon Nanotubes. 2019, 1-45	69 21 25 10
413 412 411 410 409	Directed and On-Demand Alignment of Carbon Nanotube: A Review toward 3D Printing of Electronics. 2019, 6, 1801318 RuO2 nanowires on electrospun CeO2-Au nanofibers/functionalized carbon nanotubes/graphite oxide nanocomposite modified screen-printed carbon electrode for simultaneous determination of serotonin, dopamine and ascorbic acid. 2019, 782, 824-836 Biohydrogen production by immobilized Enterobacter aerogenes on functionalized multi-walled carbon nanotube. 2019, 44, 14395-14405 Synthesis, Characterization, and Applications of Carbon Nanotubes. 2019, 1-45 Synthesized Carbon Nanotubes and Their Applications. 2019, 109-122 Carbon Nanomaterial-Based Electrochemical Biosensors for Foodborne Bacterial Detection. 2019,	69 21 25 10 5

(2020-2019)

405	d-Glucose recognition based on phenylboronic acid-functionalized polyoligomeric silsesquioxane fluorescent probe. 2019 , 95, 286-291		5
404	Conducting Nanomaterial Sensor Using Natural Receptors. 2019 , 119, 36-93		100
403	Graphenellarbon Nanotubes Modified Electrochemical Sensors. 2019 , 187-205		6
402	Nanobiosensors for Biomedical Application. 2019 , 1-23		3
401	Towards Point-of-Care Insulin Detection. 2019 , 4, 3-19		21
400	Recent Advances in Electrochemical Sensors Based on Molecularly Imprinted Polymers and Nanomaterials. <i>Electroanalysis</i> , 2019 , 31, 188-201	3	77
399	Dielectrophoresis: From Molecular to Micrometer-Scale Analytes. 2019 , 91, 277-295		49
398	Synthetic antibody: Prospects in aquaculture biosecurity. 2019 , 86, 361-367		9
397	The art of designing carbon allotropes. 2019 , 14, 1		30
396	Synthesis and characterization of chiral poly(amide-imide) composite thin films containing functionalized multiwalled carbon nanotubes. 2019 , 32, 76-88		3
395	Development of cholesterol biosensor using Au nanoparticles decorated f-MWCNT covered with polypyrrole network. 2020 , 13, 2001-2010		40
394	A new ethanol biosensor based on polyfluorene-g-poly(ethylene glycol) and multiwalled carbon nanotubes. 2020 , 122, 109300		9
393	Adsorption properties of dopamine derivatives using carbon nanotubes: A first-principles study. 2020 , 501, 144249		8
392	Convenient but powerful method to dope single-walled carbon nanotube films with iodonium salts. 2020 , 10, 529-539		8
391	Evaluation of single and combined toxicity of bisphenol A and its analogues using a highly-sensitive micro-biosensor. 2020 , 381, 120908		13
390	Amperometric Biosensors Based on Recombinant Bacterial Laccase CotA for Hydroquinone Determination. <i>Electroanalysis</i> , 2020 , 32, 142-148	3	13
389	Theoretical calculation of simple and doped CNTs with the potential adsorption of various ions for water desalination technologies. 2020 , 31, 399-409		3
388	Mini-pillar microarray for individually electrochemical sensing in microdroplets. 2020 , 149, 111845		12

387	Plasma-functionalized Highly Aligned CNT-based Biosensor for Point of Care Determination of Glucose in Human Blood Plasma. <i>Electroanalysis</i> , 2020 , 32, 394-403	11
386	Effect of Catalytically Active Zinc OxideCarbon Nanotube Composite on Sensitive Assay of Desloratadine Metabolite. <i>Electroanalysis</i> , 2020 , 32, 50-58	5
385	Electrochemical behavior of the dye methylene blue on screen-printed gold electrodes modified with carbon nanotubes. 2020 , 243-254	1
384	Kinetics of Oxygen Reduction by a Beta Barrel Heme Protein on Hyrid Bioelectrodes. 2020 , 7, 1029-1037	3
383	Recent advances of tissue-interfaced chemical biosensors. 2020 , 8, 3371-3381	9
382	Theoretical analysis of thermoelastic damping of silver nanobeam resonators based on Green Maghdi via nonlocal elasticity with surface energy effects. 2020 , 135, 1	22
381	Composite Material B ased Conducting Polymers for Electrochemical Sensor Applications: a Mini Review. 2020 , 10, 351-364	28
380	Electrochemical detection of 2,4,6-trinitrotoluene on carbon nanotube modified electrode: Effect of acid functionalization. 2020 , 24, 121-129	13
379	Double-walled carbon nanotube deformation by interacting with a nickel surface: A DFT study. 2020 , 174, 109457	1
378	A magnetic electrode modified with hemoglobin for determination of hydrogen peroxide: distinctly improved response by applying a magnetic field. 2020 , 187, 92	1
377	Cu(II)-Regulated On-Site Assembly of Highly Chemiluminescent Multifunctionalized Carbon Nanotubes for Inorganic Pyrophosphatase Activity Determination. 2020 , 12, 2903-2909	7
376	Novel halochromic cellulose nanowhiskers from rice straw: Visual detection of urea. 2020 , 231, 115740	37
375	Sonochemical synthesis and anchoring of zinc oxide on hemin-mediated multiwalled carbon nanotubes-cellulose nanocomposite for ultra-sensitive biosensing of HO. 2020 , 63, 104917	14
374	Porphyrin nanofiber/single-walled carbon nanotube nanocomposite-based sensors for monitoring hydrogen peroxide vapor. 2020 , 306, 127518	15
373	Bioelectrocatalysis at carbon nanotubes. 2020 , 630, 215-247	11
372	Recent advances in carbon nanomaterial-based adsorbents for water purification. 2020 , 405, 213111	183
371	Peroxide Electrochemical Sensor and Biosensor Based on Nanocomposite of TiO Nanoparticle/Multi-Walled Carbon Nanotube Modified Glassy Carbon Electrode. 2019 , 10,	9
370	A 160nW, 56dB SFDR, 109dBOhm, Bidirectional 4uA Max. Input Differential Output Amplifier with Nested Noise Reduction. 2020 ,	1

(2020-2020)

369	Analytical performance of functional nanostructured biointerfaces for sensing phenolic compounds. 2020 , 196, 111344	2
368	Peptide decorated gold nanoparticle/carbon nanotube electrochemical sensor for ultrasensitive detection of matrix metalloproteinase-7. 2020 , 325, 128789	14
367	Nanostructured pencil graphite electrodes for application as high power biocathodes in miniaturized biofuel cells and bio-batteries. 2020 , 10, 16535	3
366	Carbon nanotubes assisted analytical detection S ensing/delivery cues for environmental and biomedical monitoring. 2020 , 132, 116066	45
365	Electrochemical Enzymatic Biosensing of Neotame Supported by Computational Methods. <i>Electroanalysis</i> , 2020 , 32, 2669-2680	5
364	Adsorption in the context of water purification. 2020 , 67-100	Ο
363	Nanobiosensors for Detection of Phenolic Compounds. 2020 , 275-307	3
362	Chemo/bionanosensors for medical applications. 2020 , 483-500	1
361	A Carbon-Based DNA Framework Nano-Bio Interface for Biosensing with High Sensitivity and a High Signal-to-Noise Ratio. 2020 , 5, 3979-3987	8
360	Nonlocal Torsional Vibration of Elliptical Nanorods with Different Boundary Conditions. 2020 , 3, 189-203	10
359	Electrochemical Sensing of Paracetamol Using Electropolymerised and Sodium Lauryl Sulfate Modified Carbon Nanotube Paste Electrode. 2020 , 5, 9323-9329	10
358	Human virus detection with graphene-based materials. 2020 , 166, 112436	74
357	Nanocomposites (conducting polymer and nanoparticles) based electrochemical biosensor for the detection of environment pollutant: Its issues and challenges. 2020 , 85, 106438	22
356	Critical Review: digital resolution biomolecular sensing for diagnostics and life science research. 2020 , 20, 2816-2840	13
355	Separation of chemically modified carbon nanotubes by surfactant free microbubble generation. 2020 , 10, 065121	
354	Fabrication of a CNT/Ag potentiometric sensor for redox reactions via catalytic chemical vapor deposition. 2020 , 119, 106806	3
354		3

351	Nanoporous gold peel-and-stick biosensors created with etching inkjet maskless lithography for electrochemical pesticide monitoring with microfluidics. 2020 , 8, 11376-11388	15
350	An in-silico layer-by-layer adsorption study of the interaction between Rebaudioside A and the T1R2 human sweet taste receptor: modelling and biosensing perspectives. 2020 , 10, 18391	2
349	Applications of Bionano Sensor for Extracellular Vesicles Analysis. 2020 , 13,	6
348	Advances in Nanotechnology and Its Applications. 2020,	
347	Redox Properties of the Membrane Proteins from the Respiratory Chain. 2020 , 120, 10244-10297	21
346	Beyond point of care diagnostics: Low-dimensional nanomaterials for electronic virus sensing. 2020 , 38, 050804	3
345	Carbon nanotubes: functionalisation and their application in chemical sensors 2020, 10, 43704-43732	83
344	Application of carbon nanotubes and graphene to develop the heavy metal electrochemical sensor. 2020 , 479, 012036	1
343	Printed Circuit Board (PCB) Technology for Electrochemical Sensors and Sensing Platforms. 2020 , 10,	21
342	Enzymatic Bioreactors: An Electrochemical Perspective. 2020 , 10, 1232	8
341	Nanobiosensors as new diagnostic tools for SARS, MERS and COVID-19: from past to perspectives. 2020 , 187, 639	48
340	Nanosensors for Environmental Applications. 2020,	3
339	Carrier transport of all carbonized Eglucosic eco-materials. 2020 , 31, 345201	1
338	True Picomolar Neurotransmitter Sensor Based on Open-Ended Carbon Nanotubes. 2020 , 92, 8536-8545	16
337	An Electronic and Optically Controlled Bifunctional Transistor Based on a Bio-Nano Hybrid Complex. 2020 , 5, 9702-9706	3
336	NAD(P)-dependent glucose dehydrogenase: Applications for biosensors, bioelectrodes, and biofuel cells. 2020 , 135, 107574	21
335	Materials Electrochemists Never-Ending Quest for Efficient Electrocatalysts: The Devil Is in the Impurities. 2020 , 10, 7087-7092	20
334	Carbon nanotube dielectrophoresis: Theory and applications. 2020 , 41, 1893-1914	3

(2020-2020)

333	Voltammetric sensing of recombinant viral dengue virus 2 NS1 based on Au nanoparticle-decorated multiwalled carbon nanotube composites. 2020 , 187, 363	23
332	Electrocatalytic NADH Sensing using Electrodes Modified with 2-[2-(4-Nitrophenoxy)ethoxy]ethylthio-Substituted Porphyrazine/Single-Walled Carbon Nanotube Hybrids. 2020 , 7, 2838-2850	7
331	ReviewReview on the Progress in Electrochemical Detection of Morphine Based on Different Modified Electrodes. 2020 , 167, 037559	12
330	Non-enzymatic Electroanalytical Sensing of Glucose Based on Nano Nickel-Coordination Polymers-Modified Glassy Carbon Electrode. 2020 , 30, 2027-2038	6
329	Green synthesis of ZnO nanoparticles decorated on polyindole functionalized-MCNTs and used as anode material for enzymatic biofuel cell applications. 2020 , 10, 5052	30
328	Light-Addressable Electrodes for Dynamic and Flexible Addressing of Biological Systems and Electrochemical Reactions. 2020 , 20,	4
327	Continuous Opioid Monitoring along with Nerve Agents on a Wearable Microneedle Sensor Array. 2020 , 142, 5991-5995	59
326	Current Use of Carbon-Based Materials for Biomedical Applications Prospective and Review. 2020 , 8, 355	23
325	Free and forced axial vibration of single walled carbon nanotube under linear and harmonic concentrated forces based on nonlocal theory. 2020 , 34, 2050067	5
324	Reactive Insertion of PEDOT-PSS in SWCNT@Silica Composites and its Electrochemical Performance. 2020 , 13,	7
323	Enzyme-Based Biosensors: Tackling Electron Transfer Issues. 2020 , 20,	43
322	Facile strategy for immobilizing horseradish peroxidase on a novel acetate functionalized ionic liquid/MWCNT matrix for electrochemical biosensing. 2020 , 163, 358-365	11
321	Biodegradable Materials and Green Processing for Green Electronics. 2020 , 32, e2001591	71
320	A Wired Laccase Oxygen Cathode with Carboxylated Single-Walled Carbon Nanotubes Incorporated. 2020 , 41, 765-772	
319	Nanobiosensors for virus detection in the environment. 2020 , 61-87	2
318	Metal-Organic Framework-Based Microfluidic Impedance Sensor Platform for Ultrasensitive Detection of Perfluorooctanesulfonate. 2020 , 12, 10503-10514	38
317	ReviewRecent Advances in Carbon Nanomaterials as Electrochemical Biosensors. 2020 , 167, 037555	148
316	3D[printing for the future of medicine. 2020 , 4, 45-67	3

315 Stupendous Nanomaterials: Carbon Nanotubes Synthesis, Characterization, and Applications. **2020**,

314	Printed gas sensors. 2020 , 49, 1756-1789	106
313	Carbon nanomaterials: 30 years of research in agroecosystems. 2020 , 1-18	4
312	MoS2/MWCNTs porous nanohybrid network with oxidase-like characteristic as electrochemical nanozyme sensor coupled with machine learning for intelligent analysis of carbendazim. 2020 , 862, 113940	32
311	Insights into the II Interaction driven non-covalent functionalization of carbon nanotubes of various diameters by conjugated fluorene and carbazole copolymers. 2020 , 152, 064708	11
310	The nanoscopic principles of capacitive ion sensing interfaces. 2020 , 22, 3770-3774	11
309	Selective recovery of rare-earth elements from diluted aqueous streams using N- and O-coordination ligandgrafted organic[horganic hybrid composites. 2020 , 565-664	
308	ReviewNon-Enzymatic Hydrogen Peroxide Electrochemical Sensors Based on Reduced Graphene Oxide. 2020 , 167, 037531	52
307	Life Cycle Greenhouse Gas Emissions of Long and Pure Carbon Nanotubes Synthesized via On-Substrate and Fluidized-Bed Chemical Vapor Deposition. 2020 , 8, 1730-1740	15
306	Ultra-low concentration protein detection based on phenylalanine-Pd/SWCNT as a high sensitivity nanoreceptor 2020 , 10, 2650-2660	10
305	Electroanalysis of Cefadroxil Antibiotic at Carbon Nanotube/Gold Nanoparticle Modified Glassy Carbon Electrodes. 2020 , 7, 2151-2158	5
304	Review on electrochemical sensing strategies for C-reactive protein and cardiac troponin I detection. 2020 , 156, 104857	23
303	Hydrogen peroxide biosensor based on hemoglobin-modified gold nanoparticles\(\mathbb{G}\)creen printed carbon electrode. 2020 , 28, 100340	10
302	Enhancing thermal conductivity of C/SiC composites containing heat transfer channels. 2020 , 40, 3520-3527	12
301	Advances in nanomaterial-based electrochemical biosensors for the detection of microbial toxins, pathogenic bacteria in food matrices. 2021 , 401, 123379	50
300	Development of carbon-based sensors for electrochemical quantification of vitamins B2 and B6 at nanomolar levels. 2021 , 75, 1323-1339	2
299	Encapsulation of monocyclic carbon clusters into carbon nanotubes: A continuum modeling approach. 2021 , 235, 12-29	1
298	Sensitive, simple and fast voltammetric determination of pesticides in juice samples by novel BODIPY-phthalocyanine-SWCNT hybrid platform. 2021 , 147, 111886	14

(2021-2021)

297	Development of an electrochemical sensor based on (rGO-CNT) nanocomposite for raloxifene analysis. 2021 , 263, 124131	6
296	Carbon Nanotubes for Photovoltaics: From Lab to Industry. 2021 , 11, 2002880	22
295	Nanocellulose-based materials/composites for sensors. 2021 , 185-214	2
294	Integrated transition metal and compounds with carbon nanomaterials for electrochemical water splitting. 2021 , 9, 3786-3827	33
293	Toxicity of Carbon Nanotubes: Molecular Mechanisms, Signaling Cascades, and Remedies in Biomedical Applications. 2021 , 34, 24-46	24
292	Biodegradable Materials for Sustainable Health Monitoring Devices. 2021 , 4, 163-194	42
291	Biosensors based on two-dimensional materials. 2021 , 245-312	
290	Surface functionalization of CNTs by a nitro group as a sensor device element: theoretical research. 2021 , 6, 113-121	
289	Recent advancements in the detection of organophosphate pesticides: a review. 2021 , 13, 4390-4428	7
288	Hybrid magnetic nanoparticles for electrochemical biosensors. 2021 , 679-720	O
288	Hybrid magnetic nanoparticles for electrochemical biosensors. 2021 , 679-720 Natural silk for energy and sensing applications: a review. 2021 , 19, 2141-2155	6
287	Natural silk for energy and sensing applications: a review. 2021 , 19, 2141-2155 Tuning charge transfer and recombination in exTTF/CNT nanohybrids by choice of chalcogen: A	6
287	Natural silk for energy and sensing applications: a review. 2021 , 19, 2141-2155 Tuning charge transfer and recombination in exTTF/CNT nanohybrids by choice of chalcogen: A time-domain density functional analysis. 2021 , 129, 025501 Tailored secondary microstructure of carbon black in polymer nanocomposite to trigger the	6
287 286 285	Natural silk for energy and sensing applications: a review. 2021 , 19, 2141-2155 Tuning charge transfer and recombination in exTTF/CNT nanohybrids by choice of chalcogen: A time-domain density functional analysis. 2021 , 129, 025501 Tailored secondary microstructure of carbon black in polymer nanocomposite to trigger the conductivity for developing coated fabric. 152808372098409 Recent trends in carbon nanotubes based prostate cancer therapy: A biomedical hybrid for	6 3
287 286 285 284	Natural silk for energy and sensing applications: a review. 2021, 19, 2141-2155 Tuning charge transfer and recombination in exTTF/CNT nanohybrids by choice of chalcogen: A time-domain density functional analysis. 2021, 129, 025501 Tailored secondary microstructure of carbon black in polymer nanocomposite to trigger the conductivity for developing coated fabric. 152808372098409 Recent trends in carbon nanotubes based prostate cancer therapy: A biomedical hybrid for diagnosis and treatment. 2021,	6 3 2
287 286 285 284 283	Natural silk for energy and sensing applications: a review. 2021, 19, 2141-2155 Tuning charge transfer and recombination in exTTF/CNT nanohybrids by choice of chalcogen: A time-domain density functional analysis. 2021, 129, 025501 Tailored secondary microstructure of carbon black in polymer nanocomposite to trigger the conductivity for developing coated fabric. 152808372098409 Recent trends in carbon nanotubes based prostate cancer therapy: A biomedical hybrid for diagnosis and treatment. 2021, Versatility of Reverse Micelles: From Biomimetic Models to Nano (Bio)Sensor Design. 2021, 9, 345 Potential Unwinding of Double-Stranded DNA upon Binding to a Carbon Nitride Polyaniline (CN)	6 3 2 12

279	Novel Nanoarchitectures Based on Lignin Nanoparticles for Electrochemical Eco-Friendly Biosensing Development. 2021 , 11,	1
278	A review on catalytic hydrodeoxygenation of lignin to transportation fuels by using nickel-based catalysts. 2021 , 138, 110667	24
277	A review on three-dimensional graphene: Synthesis, electronic and biotechnology applications-The Unknown Riddles. 2021 , 15, 348-357	1
276	A ternary polymer nanocomposite film composed of green-synthesized graphene quantum dots, polyaniline, polyvinyl butyral and poly(3,4-ethylenedioxythiophene) polystyrene sulfonate for supercapacitor application. 2021 , 35, 102333	6
275	Review on Carbon Nanomaterials-Based Nano-Mass and Nano-Force Sensors by Theoretical Analysis of Vibration Behavior. 2021 , 21,	10
274	Antioxidant Determination with the Use of Carbon-Based Electrodes. 2021 , 9, 72	2
273	Wafer-scalable chemical modification of amino groups on graphene biosensors. 2021 , 37, 4997-5004	3
272	Glassy Carbon Electrode Modified with C/Au Nanostructured Materials for Simultaneous Determination of Hydroquinone and Catechol in Water Matrices. 2021 , 9, 88	6
271	Can nanostructures improve hydrogel-based biosensors performance?. 2021, 16, 681-683	2
270	Bioelectrochemical detection of histamine release from basophilic leukemia cell line based on histamine dehydrogenase-modified cup-stacked carbon nanofibers. 2021 , 138, 107719	1
269	Carbon Nanomaterials: Synthesis, Functionalization and Sensing Applications. 2021, 11,	32
268	FEAST of biosensors: Food, environmental and agricultural sensing technologies (FEAST) in North America. 2021 , 178, 113011	3
267	Effect of confinement of horse heart cytochrome c and formate dehydrogenase from Candida boidinii on mesoporous carbons on their catalytic activity. 2021 , 44, 1699-1710	1
266	ReviewRecent Advances Based on a Sensor for Cancer Biomarker Detection. 2021, 10, 047004	8
265	FABRICATION OF ELECTROCHEMICAL NANOSENSOR BASED ON CUO AND GRAPHITE POWDER AND ITS APPLICATION FOR TRACE ANALYSIS OF OP (ORGANOPHOSPHORUS) PESTICIDES IN REAL SAMPLES. 14-14	
264	First law of thermodynamics on the boundary for flow through a carbon nanotube. 2021 , 103, 053115	3
263	Facile preparation of water-soluble multiwalled carbon nanotubes bearing phosphorylcholine groups for heat generation under near-infrared irradiation. 2021 , 53, 1001-1009	О
262	Review-Recent Advances in FSCV Detection of Neurochemicals via Waveform and Carbon Microelectrode Modification. 2021 , 168,	2

261	Carbon Nanotube Microelectrode Set: Detection of Biomolecules to Heavy Metals. 2021, 93, 7439-7448	2
2 60	Facile Screen-Printed Carbon Nanotube Electrode on Porous Substrate with Gold Nanoparticle Modification for Rapid Electrochemical Gas Sensing.	4
259	The perspectives of biomarker-based electrochemical immunosensors, artificial intelligence and the Internet of Medical Things toward COVID-19 diagnosis and management. 2021 , 20, 100443	13
258	Ultrasonic synthesis of bismuth-organic framework intercalated carbon nanofibers: A dual electrocatalyst for trace-level monitoring of nitro hazards. 2021 , 381, 138280	4
257	Multifaceted Regulation of Potassium-Ion Channels by Graphene Quantum Dots. 2021 , 13, 27784-27795	1
256	ESSENCE - A rapid, shear-enhanced, flow-through, capacitive electrochemical platform for rapid detection of biomolecules. 2021 , 182, 113163	6
255	PdCu bimetallic nanoparticles decorated on ordered mesoporous silica (SBA-15) /MWCNTs as superior electrocatalyst for hydrogen evolution reaction. 2021 , 46, 25468-25485	6
254	Preparation of Functionalized Ayous Sawdust-carbon Nanotubes Composite for the Electrochemical Determination of Carbendazim Pesticide. <i>Electroanalysis</i> ,	1
253	Electrocatalytic Isoxazoline-Nanocarbon Metal Complexes. 2021 , 143, 10441-10453	7
252	Carbon Nanotube (CNTs): Structure, Synthesis, Purification, Functionalisation, Pharmacology, Toxicology, Biodegradation and Application as Nanomedicine and Biosensor. 2021 , 001,	О
251	A highly-sensitive and selective antibody-like sensor based on molecularly imprinted poly(L-arginine) on COOH-MWCNTs for electrochemical recognition and detection of deoxynivalenol. 2021 , 350, 129229	15
250	An Eco-Friendly Solid-State Electrode Modified With ZnO Nanoparticles Decorated With MWCNT as an Electrochemical Sensor for the Determination of Avanafil in Pure Form, Dosage Form and Human Plasma. 2021 , 168, 087510	1
249	Facile copper-based nanofibrous matrix for glucose sensing: Eenzymatic vs. non-enzymatic. 2021 , 140, 107751	8
248	Nanostructured Fe-N-C pyrolyzed catalyst for the H2O2 electrochemical sensing. 2021 , 387, 138468	4
247	Enhancement of electrode performance through surface modification using carbon nanotubes and porous gold nanostructures. 2021 , 32,	1
246	Functionalized Carbon Nanotubes for Ammonia Sensors. 2021 , 251-263	
245	Ultrasensitive and Reusable Graphene Oxide-Modified Double-Interdigitated Capacitive (DIDC) Sensing Chip for Detecting SARS-CoV-2. 2021 , 6, 3468-3476	29
244	Scanning electrochemical microscopy and electrochemical impedance spectroscopy-based characterization of perforated polycarbonate membrane modified by carbon-nanomaterials and glucose oxidase. 2021 , 624, 126822	3

243	Enzyme modified CNTs for biosensing application: Opportunities and challenges. 2021 , 44, 100506	2
242	Rapid industrial scale synthesis of robust carbon nanotube network electrodes for electroanalysis. 2021 , 896, 115255	1
241	Carbon nanomaterials: Synthesis, properties and applications in electrochemical sensors and energy conversion systems. 2021 , 272, 115341	7
240	Detection and remediation of pollutants to maintain ecosustainability employing nanotechnology: A review. 2021 , 280, 130792	18
239	Designing functional materials: DNA/Poly(3,4-ethylenedioxythiophene) interfaces for advanced DNA direct electrochemistry and DNA-Drug interaction detection. 2021 , 272, 115382	0
238	Challenges in the design of electrochemical sensor for glyphosate-based on new materials and biological recognition. 2021 , 793, 148496	7
237	Biomedical Nanotechnology. 2021 , 634-662	
236	Biosensor fabrication with nanomaterials. 2021 , 31-55	
235	ElectropolymerizationAn Item-Centered View on Ruthenopolymers. 2021, 187-274	
234	Applications of Carbon-Based Nanomaterials in Health and Environment: Biosensors, Medicine and Water Treatment. 2021 , 261-284	1
233	Next-generation self-powered nanosensors. 2021 , 487-515	0
232	Swarm intelligence unravels the confinement effects for tiny noble gas clusters within carbon nanotubes. 2021 , 75, 1	2
231	Functionalized Carbon Nanotubes for Bioapplications. 197-233	0
230	Modeling the Properties of Carbon Nanotubes for Sensor-Based Devices. 2008 , 181-227	2
229	Biomedical Applications of OrganicIhorganic Hybrid Nanoparticles. 2009, 707-768	8
228	A novel three-dimensional biosensor based on aluminum oxide: application for early-stage detection of human interleukin-10. 2014 , 1172, 49-64	6
227	Microchip capillary electrophoresis: quantum dots and paramagnetic particles for bacteria immunoseparation: rapid superparamagnetic-beads-based automated immunoseparation of Zn-Proteins from Staphylococcus aureus with nanogram yield. 2015 , 1274, 67-79	1
226	Nanotechnology: moving from microarrays toward nanoarrays. 2007 , 381, 411-36	19

225	Applications of carbon nanotubes in biomedical studies. 2011 , 726, 223-41	9
224	DNA detection using functionalized conducting polymers. 2011 , 751, 437-52	3
223	Advanced Nano-biocomposites Based on Starch. 2015 , 1467-1553	3
222	Redox Labeling of Nucleic Acids for Electrochemical Analysis of Nucleotide Sequences and DNA Damage. 2016 , 309-331	2
221	Biomedical Applications of Anisotropic Gold Nanoparticles. 2017 , 399-426	3
220	CNT Applications in Microelectronics, Nanoelectronics, Nanobioelectronics (2018, 65-72	1
219	CNT Applications in Displays and Transparent, Conductive Films/Substrates. 2018, 73-75	1
218	Graphene Applications in Electronics, Electrical Conductors, and Related Uses. 2018, 141-146	3
217	Characterization Methods. 2018 , 403-488	2
216	Microwave- and Conductivity-Based Technologies. 2018, 655-669	1
215	CNT Applications in Sensors and Actuators. 2018 , 53-60	2
214	Introduction to Carbon Nanotubes. 2007 , 43-112	22
213	Carbon Nanotubes for Electrochemical and Electronic Biosensing Applications. 2009, 205-246	5
212	Introduction. 2012 , 1-78	4
211	Nanosized Materials. 2014 , 139-181	1
210	Fabrication of a sensitive label free electrochemical immunosensor for detection of prostate specific antigen using functionalized multi-walled carbon nanotubes/polyaniline/AuNPs. 2020 , 115, 111066	15
209	Engineering hybrid nanotube wires for high-power biofuel cellspace. 2010 , 1, 1-7	1590
208	Engineering hybrid nanotube wires for high-power biofuel cells.	6

207	Chapter 7:Carbon Nanomaterials in Electrochemical Detection. 2015, 229-278	1
206	CHAPTER 11:Advance Engineered Nanomaterials in Point-of-care Immunosensing for Biomedical Diagnostics. 2019 , 238-266	13
205	Effects of the surface chemistry and structure of carbon nanotubes on the coating of glucose oxidase and electrochemical biosensors performance. 2017 , 7, 26867-26878	27
204	Ultrathin films of functionalised single-walled carbon nanotubes: a potential bio-sensing platform. 2020 , 47, 1204-1213	5
203	Carbon Nanotube Amperometric Chips with Pneumatic Micropumps. 2008, 47, 2064-2067	24
202	Simultaneous Determination of Benzenediols Isomers Using Copper Nanoparticles/Poly (Glycine)/Graphene Oxide Nanosheets Modified Glassy Carbon Electrode. 2020 , 167, 167504	2
201	Micro- and Nanopatterning for Bacteria- and Virus-Based Biosensing Applications. 2013, 681-694	1
200	The effect of DNA-dispersed single-walled carbon nanotubes on the polymerase chain reaction. 2014 , 9, e94117	21
199	Electrochemical Detection of ct-dsDNA on Nanomaterial-modified Carbon Based Electrodes. 2019 , 15, 305-312	4
198	Label-Free Electrochemical Detection of DNA Hybridization Related to Anthrax Lethal Factor by using Carbon Nanotube Modified Sensors. 2019 , 15, 502-510	2
197	Solar Exfoliated Graphene Oxide: A Platform for Electrochemical Sensing of Epinephrine. 2020 , 16, 393-403	1
196	Linear sweep polarographic determination of nucleic acids using acridine orange as a bioprobe. 2007 , 72, 1085-1094	2
195	Simultaneous Voltammetric Determination of Mefenamic Acid and Paracetamol using Graphene Nanosheets/Nickel Oxide Nanoparticles Modified Carbon Paste Electrode. 2017 , 8, 282-293	5
194	Graphene and CNT Field Effect Transistors Based Biosensor Models. 2017 , 294-333	2
193	Carbon Nanotubes as Nanosensor for Differential Electrolytic Micropotentiometry. 2014 , 05, 879-890	4
192	Flow Injection Amperometric Determination of Phenol and Chlorophenols at Single Wall Carbon Nanotube Modified Glassy Carbon Electrode. 2014 , 05, 188-198	10
191	Osmium-Polymer Modified Carbon Nanotube Paste Electrode for Detection of Sucrose and Fructose. 2013 , 04, 15-22	4
190	Gold Nanoparticles/Carbon Nanotubes Composite Film Modified Glassy Carbon Electrode Determination of Meclofenoxate Hydrochloride. 2012 , 03, 275-280	8

189	A Possible Merge of FRET and SPR Sensing System for Highly Accurate and Selective Immunosensing. 2009 , 30, 2905-2908	3
188	Electroanalytical Applications Based on Carbon Nanotube/Prussian Blue Screen-printable Composite. 2010 , 31, 1583-1588	3
187	Advances in Conceptual Electronic Nanodevices based on 0D and 1D Nanomaterials. 2014, 6, 1	3
186	Analysis of Sensing Mechanisms in a Gold-Decorated SWNT Network DNA Biosensor. 2014 , 14, 153-162	4
185	Effect of Fe3O4loading on the conductivities of carbon nanotube/chitosan composite films. 2012 , 13, 126-129	19
184	Biomedical Application of Carbon Nanotubes for Proteins Extraction and Seperation. 2016 , 6, 126-143	2
183	Introduction of Various Amine Groups onto Poly(glycidyl methacrylate)-g-MWNTs and their Application as Biosensor Supports. 2012 , 36, 470-477	1
182	Towards the development of flexible carbon nanotube-parafilm nanocomposites and their application as bioelectrodes 2021 , 11, 34193-34205	
181	Preparation, Marriage Chemistry and Applications of Graphene Quantum Dots-Nanocellulose Composite: A Brief Review. 2021 , 26,	2
180	Nanostructures in non-invasive prenatal genetic screening 2022 , 12, 3-18	
179	Cheap and sensitive polymer/bismuth film modified electrode for simultaneous determination of Pb(II) and Cd(II) ions 2021 , 7, e08215	0
178	Carbon nanotubes: Types, synthesis, cytotoxicity and applications in biomedical. 2021 , 50, 2256-2256	0
177	Biomedical Applications of Carbon Nanomaterials: Fullerenes, Quantum Dots, Nanotubes, Nanofibers, and Graphene. 2021 , 14,	19
176	Recent advances in carbon nanotubes-based biocatalysts and their applications. 2021 , 297, 102542	7
175	Response Characteristics of Electrochemical Non-enzyme Immunosensor using Fe3O4Nanoparticle. 2009 , 16, 180-184	
174	Chapter 18:New Detection Methods for Single Cells. 2010 , 285-309	
173	Electrochemical Immobilization of Osmium Complex onto the Carbon Nano-Tube Electrodes and its Application for Glucose sensor. 2010 , 13, 50-56	
172	Nanomaterials Incorporated Bioelectronics. 1	

171	Detection and Identification of Organophosphorus Compounds. 2010 , 295-314
170	Biosensing for Food Safety. 2010 , 89-122
169	A predictive kinetic model for inhibitory effect of nitrite on myeloperoxidase catalytic activity towards oxidation of chloride. 2011 , 02, 202-207
168	Electrochemical Immunosensor Using a Gas Diffusion Layer as an Immobilization Matrix. 2011 , 32, 1975-1979
167	Nanomaterials Based Sensor Development Towards Electrochemical Sensing of Biointeractions. 2012 , 165-169
166	Applications of Carbon Nanomaterials for MALDI-TOF-MS and Electrochemical Analysis of Insulin. 2012 , 202-223
165	References. 2012,
164	Carbon Nanotube-Based Floating Gate Memories with High-kDielectrics. 2012 , 51, 06FD11
163	Effect of Edge Passivated by Hydrogenon the Transport Properties of Finite-Size Metallic Carbon Nanotube-Based Molecular Devices. 2012 ,
162	Plasma-Etching of Spray-Coated Single-Walled Carbon Nanotube Films for Biointerfaces. 2012 , 51, 08HE02 1
161	Science and Applications of Photomechanical Actuation of Carbon Nanostructures. 2012 , 177-236
160	Recent Progress in the Development of Novel Nanostructured Biosensors for Detection of Waterborne Contaminants. 2013 , 1-34
159	Peptide-Based Carbon Nanotube Dispersal Agents. 217-245
158	Clinical Applications of Biosensors Based on Field-Effect Transistors with Carbon Nanotubes or Nanowires. 2013 , 18, 53-62
157	Surface Characterization of Graphene. 2013 , 73-90
156	Encyclopedia of Applied Electrochemistry. 2014 , 872-882
155	Carbon Nanotube B ased Potentiometry. 2014 , 169-208
154	Design a biosensor for measuring H2O2using modified carbon paste electrode with Single-wall Carbon Nano-tubes and Catalase. 2015 , 4,

(2018-2015)

153	Electrochemical Biological Sensors Based on Directly Synthesized Carbon Nanotube Electrodes. 2015 , 179-186	
152	Chapter 10:Application of Starch Nanocomposites in the Food Industry. 2015 , 352-402	
151	Synthesis, Modification and Characterization of Nanocarbon Electrodes for Determination of Nucleic Acids. 2015 , 1-35	
150	C60 to CNT- CNF (Buckypaper: Wonder Platforms for Nanomedicine Applications. 2015, 2,	
149	Nanoelectrochemistry Applications Based on Electrospinning. 357-379	О
148	Non-invasive Glucose Biosensors Based on Nanomaterials. 271-295	
147	Synthesis, Modification, and Characterization of Nanocarbon Electrodes for Determination of Nucleic Acids. 2016 , 241-281	
146	Development of a cholesterol biosensor modified with carbon nanotube. 2015 , 28, 425-429	
145	Chitosan-Based Supports: Enzyme Immobilization. 1593-1634	
144	Bibliography. 327-351	
143	Sensing the Presence and Amount of Microbes Using Double Walled Carbon Nanotubes. 2017, 78-117	
142	Chapter 9:Carbon Nanotube Sensing in Food Safety and Quality Analysis. 2017 , 272-298	1
141	References. 2017 , 105-121	
140	Basic Electrochemistry of CPs. 2018 , 283-309	
~		
139	Miscellaneous CNT Applications. 2018 , 89-90	
139	Miscellaneous CNT Applications. 2018, 89-90 CNT Applications in Specialized Materials. 2018, 45-48	

135	Electrochromics. 2018 , 601-624
134	Classes of CPs: Part 1. 2018 , 489-507
133	Electro-Optic and Optical Devices. 2018, 671-684
132	Conduction Models and Electronic Structure of CNTs. 2018, 11-16
131	Miscellaneous Applications. 2018 , 695-715
130	Chapter 5:Carbon Nanomaterials in Electrochemical Detection. 2018 , 150-199
129	CNT Applications in the Environment and in Materials Used in Separation Science. 2018, 81-87
128	Graphene Applications in Displays and Transparent, Conductive Films/Substrates. 2018, 147-148
127	Classes of CPs: Part 2. 2018 , 509-545
126	Introducing Conducting Polymers (CPs). 2018, 159-174
125	Syntheses and Processing of CPs. 2018, 311-388
125	
	Syntheses and Processing of CPs. 2018 , 311-388
124	Syntheses and Processing of CPs. 2018, 311-388 Physical, Mechanical, and Thermal Properties of CNTs. 2018, 33-36 CNT Applications in Electrical Conductors, Quantum Nanowires, Dand Potential Superconductors.
124	Syntheses and Processing of CPs. 2018, 311-388 Physical, Mechanical, and Thermal Properties of CNTs. 2018, 33-36 CNT Applications in Electrical Conductors, Quantum Nanowires, Land Potential Superconductors. 2018, 77-79
124	Syntheses and Processing of CPs. 2018, 311-388 Physical, Mechanical, and Thermal Properties of CNTs. 2018, 33-36 CNT Applications in Electrical Conductors, Quantum Nanowires, Quantum Potential Superconductors. 2018, 77-79 Toxicology of CNTs. 2018, 37-39
124 123 122	Syntheses and Processing of CPs. 2018, 311-388 Physical, Mechanical, and Thermal Properties of CNTs. 2018, 33-36 CNT Applications in Electrical Conductors, Quantum Nanowires, And Potential Superconductors. 2018, 77-79 Toxicology of CNTs. 2018, 37-39 Synthesis, Purification, and Chemical Modification of CNTs. 2018, 17-31

117	Conduction Models and Electronic Structure of CPs. 2018 , 175-249	1
116	Brief, General Overview of Applications. 2018 , 123-124	
115	Electrochemomechanical, Chemomechanical, and Related Devices. 2018 , 685-693	
114	Displays, Including Light-Emitting Diodes (LEDs) and Conductive Films. 2018 , 625-654	
113	Wireless Transfer of Energy Alongside Information in Wireless Sensor Networks. 2019 , 417-458	
112	Biomedical Nanotechnology. 2020 , 30-65	
111	Bioelektrochemie. 2020 ,	
110	CNT-Based Nano Medicine From Synthesis to Therapeutic Application. 2022 , 175-211	
109	In vitro enzymatic electrochemical monitoring of glucose metabolism and production in rat primary hepatocytes on highly O permeable plates. 2022 , 143, 107972	1
108	Nanomaterial for Biosensors. 2020 , 35-61	
107	Gold starBarbon nanotube composite for analysing preeclampsia during pregnancy. 2020, 126,	1
106	Bionanocomposites in sensor technology. 2020 , 519-534	O
105	Glucose Analyzer Based on Self-made Biosensor for High-performance Glucose Detection. 2020 , 327, 01003	1
104	Electrochemical Nanoengineered Sensors in Infectious Disease Diagnosis. 2020 , 165-180	
103	Metal and Ion Detection Using Electrochemical and Wireless Sensor. 2020 , 277-299	
102	CHAPTER 2:Chemically Modified Nanotubes. 2021 , 111-163	
101	Tailoring the Electrocatalytic Properties of sp2-Hybridized Carbon Nanomaterials with Molecule Doping.	
100	Self Assembled Monolayers and Carbon Nanotubes: A Significant Tool for Modification of Electrode Surface. 2020, 18, 669-685	

99	Carbon Nanotube (CNT)-Based Biosensors 2021 , 11,	12
98	Multifunctional Gold Nano-Cytosensor With Quick Capture, Electrochemical Detection, and Non-Invasive Release of Circulating Tumor Cells for Early Cancer Treatment. 2021 , 9, 783661	О
97	ReviewBensor Evaluation for Thiamethoxam Detection in Different Matrices. 2021, 168, 116508	1
96	Polyvinyl alcohol-based membranes for filtration of aqueous solutions: A comprehensive review.	1
95	MWCNT modified glassy carbon electrode in presence of cationic surfactant for the electro-analysis of paclitaxel. 2021 , 3, 100243	0
94	Identification and Quantification of Nanomaterials in Consumer Product. 2021 , 1-39	
93	Recent Progress regarding Electrochemical Sensors for the Detection of Typical Pollutants in Water Environments. 2021 ,	3
92	Carbon Nanotubes for Environmental Remediation Applications. 2021 , 1-30	
91	Insights into carbon production by CO2 reduction in molten salt electrolysis in coaxial-type reactor. 2022 , 10, 106933	0
90	Noncovalent Functionalization of Carbon Nanotubes. 2021 , 1-28	O
89	Recent progress in the development of porous carbon-based electrodes for sensing applications 2022 ,	1
88	Simple method for making MWCNTs/Au-NPs-based biosensor electrodes. 2022 , 9, 015010	O
87	Functionalized Multi-Walled Carbon Nanotube-Based Aptasensors for Diclofenac Detection 2021 , 9, 812909	1
86	Characteristics, properties, synthesis and advanced applications of 2D graphdiyne versus graphene.	2
85	Continuous monitoring of molecular biomarkers in microfluidic devices 2022, 187, 295-333	
84	Polymer nanocomposites for biomedical applications. 2022 , 175-215	1
83	Organic Eyclodextrin Nanoparticle: An Efficient Building Block Between Functionalized Poly(pyrrole) Electrodes and Enzymes 2022 , e2105880	0
82	Biosensing Efficiency of Nanocarbon-Reinforced Polyacrylonitrile Nanofibrous Matrices.	3

81 Carbonaceous Nanomaterials for Electrochemical Biosensing. 2022,

0	College Nevert Lev College Produce Productive College 2005 204	
80	Carbon Nanotubes for Biomedical Applications. 2022 , 285-331	О
79	Nanobiosensors for detection of bacteria: an overview of fiber-optics and Raman spectroscopy based biosensors. 2022 , 91-132	
78	шширш7 6-108	
77	A review on corona virus disease 2019 (COVID-19): current progress, clinical features and bioanalytical diagnostic methods 2022 , 189, 103	0
76	Gas- and Biosensors Made from Metal Oxides Doped with Carbon Nanotubes. 2022 , 57, 54-75	2
75	Electrochemical Analysis of Sulfisoxazole Using Glassy Carbon Electrode (GCE) and MWCNTs/Rare Earth Oxide (CeO and YbO) Modified-GCE Sensors 2022 , 27,	О
74	Supervised and unsupervised machine learning of structural phases of polymers adsorbed to nanowires 2022 , 105, 035304	2
73	Recent advances in the potential applications of luminescence-based, SPR-based, and carbon-based biosensors 2022 , 1	1
72	ReviewInemical Structures and Stability of Carbon-doped Graphene Nanomaterials and the Growth Temperature of Carbon Nanomaterials Grown by Chemical Vapor Deposition for Electrochemical Catalysis Reactions. 2022 , 11, 041003	3
71	Indiscriminate SARS-CoV-2 multivariant detection using magnetic nanoparticle-based electrochemical immunosensing 2022 , 243, 123356	5
70	Development of techniques for the formation of a planar electric vacuum diode based on an array of CNTs synthesized at the edge of the Co-Nb-N-(O) film. 2021 , 2103, 012120	O
69	Biosensors and nanotechnology for cancer diagnosis (lung and bronchus, breast, prostate, and colon): A systematic review. 2021 ,	8
68	Advances in Materials, Methods, and Principles of Modern Biosensing Tools. 2022 , 33-57	
67	Combining metal nanoclusters and carbon nanomaterials: Opportunities and challenges in advanced nanohybrids 2022 , 304, 102667	2
66	A Folding-Based Electrochemical Aptasensor for the Single-Step Detection of the SARS-CoV-2 Spike Protein 2022 ,	5
65	Prospects of carbon nanomaterial-based sensors for sustainable future. 2022 , 417-428	О
64	Challenges in commercialization of carbon nanomaterial-based sensors. 2022 , 381-392	

63	Sustainable carbon nanomaterial-based sensors: Future vision for the next 20 years. 2022 , 429-443	1
62	Identification and Quantification of Nanomaterials in Consumer Product. 2022 , 101-139	
61	Inverse Boltzmann Iterative Multi-Scale Molecular Dynamics Study between Carbon Nanotubes and Amino Acids 2022 , 27,	
60	Electrochemical sensors based on carbon nanostructures for the analysis of bisphenol A-A review 2022 , 165, 113074	O
59	A novel electrochemical biosensor based on the electrospun nanofibrous nanocomposites of PCL-PPy-MWCNT towards determination of TNF-biomarker.	
58	Engineering carbon nanotubes for sensitive viral detection 2022 , 153, 116659	2
57	Crystallization Behavior of Carbon Nanotube B olymer Nanocomposites. 2021 , 1-23	
56	The Modified Glassy Carbon Electrode by MWCNTs-PLL to Detect Both Paracetamol and Ibuprofen in Human Biological Fluid.	O
55	Nanoparticles Application in the Determination of Uric Acid, Ascorbic Acid, and Dopamine. 2022 , 58, 341-359	
54	Study of ET0 by Using Soft Computing Techniques in the Eastern Gandak Project in Bihar, India A Case Study. 2022 , 515-526	O
53	ReviewNanostructured Materials for Sensing pH: Evolution, Fabrication and Challenges. 2022 , 169, 057517	1
52	A discrete-continuum mosaic model for the buckling of inner tubes of double-walled carbon nanotubes under compression. 2022 , 104384	
51	All-printed soft human-machine interface for robotic physicochemical sensing. 2022, 7,	12
50	Point-of-Care Diagnostics for Farm Animal Diseases: From Biosensors to Integrated Lab-on-Chip Devices. 2022 , 12, 455	2
49	Introduction to graphene. 2022 , 1-19	
48	Synthesis of Metal © rganic Frameworks Quantum Dots Composites as Sensors for Endocrine-Disrupting Chemicals. 2022 , 23, 7980	1
47	Carbon-Related Materials: Graphene and Carbon Nanotubes in Semiconductor Applications and Design. 2022 , 13, 1257	2
46	A Mini Review on Recent Advances in MXene Based Electrochemical Wearable Sensing Devices.	1

Graphene Quantum Dots Modified Graphite Screen Printed Electrode for the Electrochemical Detection of Acetylcholine. **2022**, 58, 716-724

44	Acid-treated carbon nanotubes/polypyrrole/fluorine-doped tin oxide electrodes with high sensitivity for saliva glucose sensing. 2022 , 129, 109385	O
43	Polyglycerol sebacate (PGS)-based composite and nanocomposites: properties and applications. 1-15	O
42	A CoreBhell Au@TiO2 and Multi-Walled Carbon Nanotube-Based Sensor for the Electroanalytical Determination of H2O2 in Human Blood Serum and Saliva. 2022 , 12, 778	O
41	Carbon Nanotube and Its Derived Nanomaterials Based High Performance Biosensing Platform. 2022 , 12, 731	5
40	Epitaxial Self-Assembly of Interfaces of 2D Metal D rganic Frameworks for Electroanalytical Detection of Neurotransmitters. 2022 , 16, 13869-13883	2
39	Luminescence nanomaterials for biosensing applications.	0
38	AuNPs and graphdiyne nanocomposite as robust electrocatalyst for methyl parathion detection in real samples.	O
37	Fabrication and Functionalisation of Nanocarbon-based Field-Effect Transistor Biosensors.	1
36	Nanobiosensors Potentialities for Environmental Monitoring. 2022, 41-74	O
35	Chapter 9. Nanotechnology to Detect the Microbial Toxins in Stored Food. 2022 , 181-198	О
34	Advances of Semiconductor Gas Sensing Materials, Structures, and Algorithms for Breath Analysis. 2022 ,	O
33	Graphene and Carbon Nanotubes (CNTs)-Based Biosensor for Life Sciences Applications. 2023, 61-79	О
32	Plasma Functionalization of Multi-Walled Carbon Nanotubes for Ammonia Gas Sensors. 2022 , 15, 7262	O
31	Application of Nanotechnology in COVID-19 Infection: Findings and Limitations. 2022 , 3, 203-232	0
30	Highly efficient detection of Pb(II) ion in water by polypyrrole and metal-organic frame modify glassy carbon electrode. 2022 , 130, 109477	O
29	Noncovalent Functionalization of Carbon Nanotubes. 2022 , 421-448	0
28	Crystallization Behavior of Carbon Nanotube Polymer Nanocomposites. 2022 , 1089-1111	O

27	Recent Trends in Carbon Nanotube (CNT) based biosensors for fast and sensitive detection of human viruses: A critical review.	1
26	Carbon nanotubes (CNTs): Smart theranostic tools for the recognition and preclusion of SARS-CoV-2 variants.	O
25	Bioelectrical Nose Platform Using Odorant-Binding Protein as a Molecular Transporter Mimicking Human Mucosa for Direct Gas Sensing.	2
24	Carbon Nanotubes for Environmental Remediation Applications. 2022 , 1845-1873	O
23	Theoretical investigation of intermolecular interactions between CNT, SiCNT and SiCGeNT nanomaterials with vinyl chloride molecule: A DFT, NBO, NCI, and QTAIM study. 2023 , 131, 109602	O
22	Evaluation of the electrochemical response of Saccharomyces cerevisiae using screen-printed carbon electrodes (SPCE) modified with oxidized multi-walled carbon nanotubes dispersed in water [Nafion[]] . 2023, 6, 100401	1
21	Green Wearable Electronics, Sensors and Applications. 2022 , 1-10	0
20	Electrochemical Immunosensor for Early Detection of FAmyloid Alzheimer Disease Biomarker Based on Aligned Carbon Nanotubes Gold Nanocomposites. 2022 , 12, 1059	1
19	Toward Sustainable Wearable Electronic Textiles.	1
18	Chemically Modified Carbon Nanotubes for Electrochemical Sensors. 2023 , 241-269	O
17	Occurrence and transport of SARS-CoV-2 in wastewater streams and its detection and remediation by chemical-biological methods. 2022 , 100221	O
16	Preparation of novel HKUST-1-glucose oxidase composites and their application in biosensing. 2023 , 190,	O
15	Electrochemical Biosensors in the Diagnosis of Acute and Chronic Leukemias. 2023, 15, 146	O
14	Molecular Dynamics Study of the Curvature-Driven Interactions between Carbon-Based Nanoparticles and Amino Acids. 2023 , 28, 482	O
13	Functionalization of carbon nanotubes: Fundamentals, strategies, and tuning of properties. 2023 , 181-193	O
12	A portable electrochemical sensing platform for serotonin detection based on surface-modified carbon fiber microelectrodes.	O
11	Voltammetric determination of arbutin using carbon paste electrode modified with low crystalline home-prepared rutile TiO2 nanoparticles. 2023 , 301, 127588	О
10	Non-enzymatic disposable electrochemical sensors based on CuO/Co3O4@MWCNTs nanocomposite modified screen-printed electrode for the direct determination of urea. 2023 , 13,	O

CITATION REPORT

9	Dynamic nuclear polarization [huclear magnetic resonance for analyzing surface functional groups on carbonaceous materials. 2023 , 206, 84-93	O
8	Nanostructure Modified Electrodes for Electrochemical Detection of Contaminants of Emerging Concern. 2023 , 13, 381	O
7	Functionalized Carbon Nanotubes. 2023 , 95-115	O
6	Environmental and Biosensing Using Nanocarbon Electrodes. 2023 , 91, 4-9	0
5	Square-Wave Voltammetry of Human Blood Serum.	O
4	Developing a Novel Growth Method for Carbon-Infiltrated Carbon Nanotubes on Ti6Al4V.	O
3	Nanomaterials supporting direct electron transport. 2023 , 221-240	O
2	Screen-Printable Functional Nanomaterials for Flexible and Wearable Single-Enzyme-Based Energy-Harvesting and Self-Powered Biosensing Devices. 2023 , 15,	O
1	Smart nanomaterials in biosensing applications. 2023 , 207-231	О