

# John H T Luong

## List of Publications by Year in descending order

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292  
papers

19,060  
citations

10986

71  
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13771

129  
g-index

294  
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294  
docs citations

294  
times ranked

22229  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Biosensing Platforms Using Platinum Nanoparticles and Carbon Nanotubes. <i>Analytical Chemistry</i> , 2004, 76, 1083-1088.	6.5	1,017
2	Emerging Technologies for Next-Generation Point-of-Care Testing. <i>Trends in Biotechnology</i> , 2015, 33, 692-705.	9.3	583
3	Surface Chemistry of Gold Nanoparticles Produced by Laser Ablation in Aqueous Media. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16864-16869.	2.6	564
4	Carbon Materials as Catalyst Supports and Catalysts in the Transformation of Biomass to Fuels and Chemicals. <i>ACS Catalysis</i> , 2014, 4, 3393-3410.	11.2	523
5	The Surface Chemistry of Au Colloids and Their Interactions with Functional Amino Acids. <i>Journal of Physical Chemistry B</i> , 2004, 108, 4046-4052.	2.6	410
6	Characteristics and Properties of Carboxylated Cellulose Nanocrystals Prepared from a Novel One-Step Procedure. <i>Small</i> , 2011, 7, 302-305.	10.0	403
7	Advances in carbon nanotube based electrochemical sensors for bioanalytical applications. <i>Biotechnology Advances</i> , 2011, 29, 169-188.	11.7	401
8	Boron-doped diamond electrode: synthesis, characterization, functionalization and analytical applications. <i>Analyst</i> , 2009, 134, 1965.	3.5	371
9	Applications of functionalized and nanoparticle-modified nanocrystalline cellulose. <i>Trends in Biotechnology</i> , 2012, 30, 283-290.	9.3	366
10	Biosensor technology: Technology push versus market pull. <i>Biotechnology Advances</i> , 2008, 26, 492-500.	11.7	359
11	Stabilization and Size Control of Gold Nanoparticles during Laser Ablation in Aqueous Cyclodextrins. <i>Journal of the American Chemical Society</i> , 2004, 126, 7176-7177.	13.7	335
12	Adsorption and Desorption of Methylene Blue on Porous Carbon Monoliths and Nanocrystalline Cellulose. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 8796-8804.	8.0	302
13	Effect of Surface Charge on the Cellular Uptake and Cytotoxicity of Fluorescent Labeled Cellulose Nanocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 2924-2932.	8.0	286
14	Immobilization of Antibodies and Enzymes on 3-Aminopropyltriethoxysilane-Functionalized Bioanalytical Platforms for Biosensors and Diagnostics. <i>Chemical Reviews</i> , 2014, 114, 11083-11130.	47.7	263
15	Electrochemical detection of carbohydrates using copper nanoparticles and carbon nanotubes. <i>Analytica Chimica Acta</i> , 2004, 516, 35-41.	5.4	262
16	Metallic Nanoparticle-Carbon Nanotube Composites for Electrochemical Determination of Explosive Nitroaromatic Compounds. <i>Analytical Chemistry</i> , 2006, 78, 5504-5512.	6.5	256
17	Selective and sensitive electrochemical detection of glucose in neutral solution using platinum-lead alloy nanoparticle/carbon nanotube nanocomposites. <i>Analytica Chimica Acta</i> , 2007, 594, 175-183.	5.4	244
18	Delivery of drugs and biomolecules using carbon nanotubes. <i>Carbon</i> , 2011, 49, 4077-4097.	10.3	241

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19	Enzyme or protein immobilization techniques for applications in biosensor design. Trends in Biotechnology, 1995, 13, 178-185.	9.3	232
20	Fabrication and Characterization of Gold Nanoparticles by Femtosecond Laser Ablation in an Aqueous Solution of Cyclodextrins. Journal of Physical Chemistry B, 2003, 107, 4527-4531.	2.6	232
21	Electrochemical Determination of Arsenite Using a Gold Nanoparticle Modified Glassy Carbon Electrode and Flow Analysis. Analytical Chemistry, 2006, 78, 762-769.	6.5	229
22	Recent advances in electrochemical biosensing schemes using graphene and graphene-based nanocomposites. Carbon, 2015, 84, 519-550.	10.3	202
23	A smartphone-based colorimetric reader for bioanalytical applications using the screen-based bottom illumination provided by gadgets. Biosensors and Bioelectronics, 2015, 67, 248-255.	10.1	201
24	Commercial Smartphone-Based Devices and Smart Applications for Personalized Healthcare Monitoring and Management. Diagnostics, 2014, 4, 104-128.	2.6	196
25	Impedance Sensing of DNA Binding Drugs Using Gold Substrates Modified with Gold Nanoparticles. Analytical Chemistry, 2005, 77, 478-485.	6.5	190
26	On-Line Monitoring of Cell Growth and Cytotoxicity Using Electric Cell-Substrate Impedance Sensing (ECIS). Biotechnology Progress, 2003, 19, 1000-1005.	2.6	186
27	Cellulose Nanocrystal/Gold Nanoparticle Composite as a Matrix for Enzyme Immobilization. ACS Applied Materials & Interfaces, 2009, 1, 1383-1386.	8.0	181
28	Technology behind commercial devices for blood glucose monitoring in diabetes management: A review. Analytica Chimica Acta, 2011, 703, 124-136.	5.4	181
29	Catalysis using gold nanoparticles decorated on nanocrystalline cellulose. Nanoscale, 2012, 4, 997.	5.6	178
30	Electrochemical detection of carbohydrates using copper nanoparticles and carbon nanotubes. Analytica Chimica Acta, 2004, 516, 35-35.	5.4	177
31	Controlled modification of carbon nanotubes and polyaniline on macroporous graphite felt for high-performance microbial fuel cell anode. Journal of Power Sources, 2015, 283, 46-53.	7.8	169
32	Assessment of Cytotoxicity Using Electric Cell-Substrate Impedance Sensing: A Concentration and Time Response Function Approach. Analytical Chemistry, 2002, 74, 5748-5753.	6.5	164
33	Control of the Size and Distribution of Gold Nanoparticles by Unmodified Cyclodextrins. Chemistry of Materials, 2003, 15, 4172-4180.	6.7	164
34	Electrochemical Detectors Prepared by Electroless Deposition for Microfabricated Electrophoresis Chips. Analytical Chemistry, 2000, 72, 4677-4682.	6.5	158
35	Assessment of Cytotoxicity of Quantum Dots and Gold Nanoparticles Using Cell-Based Impedance Spectroscopy. Analytical Chemistry, 2008, 80, 5487-5493.	6.5	155
36	Carbocatalytic dehydration of xylose to furfural in water. Carbon, 2012, 50, 1033-1043.	10.3	154

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37	Interfacing Carbon Nanotubes with Living Mammalian Cells and Cytotoxicity Issues. <i>Chemical Research in Toxicology</i> , 2010, 23, 1131-1147.	3.3	150
38	Development of a piezoelectric immunosensor for the detection of <i>Salmonella typhimurium</i> . <i>Enzyme and Microbial Technology</i> , 1990, 12, 173-177.	3.2	146
39	An In-Depth Analysis of Electric Cell~Substrate Impedance Sensing To Study the Attachment and Spreading of Mammalian Cells. <i>Analytical Chemistry</i> , 2002, 74, 1333-1339.	6.5	129
40	New Strategy for Preparing Thin Gold Films on Modified Glass Surfaces by Electroless Deposition. <i>Langmuir</i> , 2003, 19, 3958-3965.	3.5	127
41	Developments and applications of biosensors in food analysis. <i>Trends in Biotechnology</i> , 1997, 15, 369-377.	9.3	121
42	Picomolar Detection of Protease Using Peptide/Single Walled Carbon Nanotube/Gold Nanoparticle-Modified Electrode. <i>ACS Nano</i> , 2008, 2, 1051-1057.	14.6	117
43	Cytotoxic triterpenes from <i>Antrodia camphorata</i> and their mode of action in HT-29 human colon cancer cells. <i>Cancer Letters</i> , 2009, 285, 73-79.	7.2	116
44	Raman-based detection of bacteria using silver nanoparticles conjugated with antibodies. <i>Analyst, The</i> , 2007, 132, 679.	3.5	115
45	Bioanalytical advances in assays for C-reactive protein. <i>Biotechnology Advances</i> , 2016, 34, 272-290.	11.7	113
46	Monitoring Motility, Spreading, and Mortality of Adherent Insect Cells Using an Impedance Sensor. <i>Analytical Chemistry</i> , 2001, 73, 1844-1848.	6.5	111
47	Synthesis of Furfural from Xylose by Heterogeneous and Reusable Nafion Catalysts. <i>ChemSusChem</i> , 2011, 4, 535-541.	6.8	108
48	Direct electrochemistry of horseradish peroxidase immobilized on a monolayer modified nanowire array electrode. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1313-1318.	10.1	106
49	One-step antibody immobilization-based rapid and highly-sensitive sandwich ELISA procedure for potential in vitro diagnostics. <i>Scientific Reports</i> , 2014, 4, 4407.	3.3	106
50	Picoamperometric Detection of Glucose at Ultrasmall Platinum-Based Biosensors:~Preparation and Characterization. <i>Analytical Chemistry</i> , 2003, 75, 3308-3315.	6.5	105
51	Reusable Platinum Nanoparticle Modified Boron Doped Diamond Microelectrodes for Oxidative Determination of Arsenite. <i>Analytical Chemistry</i> , 2007, 79, 500-507.	6.5	104
52	Preparation of Well-Dispersed Gold/Magnetite Nanoparticles Embedded on Cellulose Nanocrystals for Efficient Immobilization of Papain Enzyme. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 4978-4985.	8.0	104
53	Fluorescence properties of gold nanorods and their application for DNA biosensing. <i>Chemical Communications</i> , 2005, , 3924.	4.1	98
54	Achievement and assessment of direct electron transfer of glucose oxidase in electrochemical biosensing using carbon nanotubes, graphene, and their nanocomposites. <i>Mikrochimica Acta</i> , 2017, 184, 369-388.	5.0	98

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55	Assessment of cytotoxicity by emerging impedance spectroscopy. <i>Toxicology and Applied Pharmacology</i> , 2005, 206, 102-112.	2.8	97
56	Separation and Determination of Polycyclic Aromatic Hydrocarbons by Solid Phase Microextraction/Cyclodextrin-Modified Capillary Electrophoresis. <i>Analytical Chemistry</i> , 1997, 69, 1726-1731.	6.5	95
57	Kinetics, Isotherm, and Thermodynamic Studies of Methylene Blue Adsorption on Polyaniline and Polypyrrole Macro-“Nanoparticles Synthesized by C-Dot-Initiated Polymerization. <i>ACS Omega</i> , 2018, 3, 7196-7203.	3.5	94
58	Microbial inhibition kinetics revisited. <i>Enzyme and Microbial Technology</i> , 1989, 11, 66-73.	3.2	92
59	Biosensor for Arsenite Using Arsenite Oxidase and Multiwalled Carbon Nanotube Modified Electrodes. <i>Analytical Chemistry</i> , 2007, 79, 7831-7837.	6.5	89
60	Impedance Method for Detecting HIV-1 Protease and Screening For Its Inhibitors Using Ferrocene-“Peptide Conjugate/Au Nanoparticle/Single-Walled Carbon Nanotube Modified Electrode. <i>Analytical Chemistry</i> , 2008, 80, 7056-7062.	6.5	88
61	Applications of N-Doped Carbon Dots as Antimicrobial Agents, Antibiotic Carriers, and Selective Fluorescent Probes for Nitro Explosives. <i>ACS Applied Bio Materials</i> , 2020, 3, 8023-8031.	4.6	86
62	Selective Nanomolar Detection of Dopamine Using a Boron-Doped Diamond Electrode Modified with an Electropolymerized Sulfo-butylether- $\beta$ -cyclodextrin-Doped Poly( <i>N</i> -acetyltyramine) and Polypyrrole Composite Film. <i>Analytical Chemistry</i> , 2009, 81, 4089-4098.	6.5	85
63	Properties and sensing characteristics of surface-plasmon resonance in infrared light. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2003, 20, 1644.	1.5	84
64	Hairpin DNA as a Biobarcode Modified on Gold Nanoparticles for Electrochemical DNA Detection. <i>Analytical Chemistry</i> , 2015, 87, 1358-1365.	6.5	80
65	Sensitive Amperometric Immunosensing Using Polypyrrolepropyric Acid Films for Biomolecule Immobilization. <i>Analytical Chemistry</i> , 2006, 78, 7424-7431.	6.5	79
66	Recent advances in electrochemical detection of arsenic in drinking and ground waters. <i>Analytical Methods</i> , 2014, 6, 6157-6169.	2.7	79
67	The effect of carbon nanotube aspect ratio and loading on the elastic modulus of electrospun poly(vinyl alcohol)-carbon nanotube hybrid fibers. <i>Carbon</i> , 2009, 47, 2571-2578.	10.3	77
68	Probing inhibitory effects of nanocrystalline cellulose: inhibition versus surface charge. <i>Nanoscale</i> , 2012, 4, 1373.	5.6	76
69	Separation of PAHs by Capillary Electrophoresis with Laser-Induced Fluorescence Detection Using Mixtures of Neutral and Anionic $\beta$ -Cyclodextrins. <i>Analytical Chemistry</i> , 1995, 67, 3004-3010.	6.5	75
70	Graphene-based rapid and highly-sensitive immunoassay for C-reactive protein using a smartphone-based colorimetric reader. <i>Biosensors and Bioelectronics</i> , 2015, 66, 169-176.	10.1	75
71	Cyclodextrin-Modified Capillary Electrophoresis:“ Determination of Polycyclic Aromatic Hydrocarbons in Contaminated Soils. <i>Analytical Chemistry</i> , 1996, 68, 287-292.	6.5	74
72	Substrate inhibition kinetics for microbial growth and synthesis of poly- $\gamma$ -hydroxybutyric acid by <i>Alcaligenes eutrophus</i> ATCC 17697. <i>Applied Microbiology and Biotechnology</i> , 1989, 30, 11.	3.6	73

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73	Development of Electrokinetic Capillary Electrophoresis Equipped with Amperometric Detection for Analysis of Explosive Compounds. <i>Analytical Chemistry</i> , 1999, 71, 873-878.	6.5	73
74	Point-of-Care PCR Assays for COVID-19 Detection. <i>Biosensors</i> , 2021, 11, 141.	4.7	73
75	Electrophoretic separation of aniline derivatives using fused silica capillaries coated with acid treated single-walled carbon nanotubes. <i>Journal of Chromatography A</i> , 2005, 1074, 187-194.	3.7	70
76	Graphene versus Multi-Walled Carbon Nanotubes for Electrochemical Glucose Biosensing. <i>Materials</i> , 2013, 6, 1011-1027.	2.9	69
77	Green Synthesis of Multifunctional Carbon Dots with Antibacterial Activities. <i>Nanomaterials</i> , 2021, 11, 369.	4.1	69
78	Micromachined Electrophoresis Chips with Electrochemical Detectors for Analysis of Explosive Compounds in Soil and Groundwater. <i>Environmental Science &amp; Technology</i> , 2000, 34, 3046-3050.	10.0	68
79	Oxygen requirement in pullulan fermentation. <i>Applied Microbiology and Biotechnology</i> , 1988, 28, 361-366.	3.6	67
80	The potential role of biosensors in the food and drink industries. <i>Biosensors and Bioelectronics</i> , 1991, 6, 547-554.	10.1	66
81	Immobilization of glucose oxidase into a nanoporous TiO <sub>2</sub> film layered on metallophthalocyanine modified vertically-aligned carbon nanotubes for efficient direct electron transfer. <i>Biosensors and Bioelectronics</i> , 2013, 46, 113-118.	10.1	66
82	Electrodeposition of nickel particles on a gas diffusion cathode for hydrogen production in a microbial electrolysis cell. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 7313-7320.	7.1	65
83	Direct Electron Transfer of Glucose Oxidase-Boron Doped Diamond Interface: A New Solution for a Classical Problem. <i>Analytical Chemistry</i> , 2014, 86, 4910-4918.	6.5	65
84	Derivatization, stabilization and detection of biogenic amines by cyclodextrin-modified capillary electrophoresis-laser-induced fluorescence detection. <i>Journal of Chromatography A</i> , 2001, 926, 309-317.	3.7	63
85	Micellar electrokinetic chromatography with amperometric detection and off-line solid-phase extraction for analysis of carbamate insecticides. <i>Journal of Chromatography A</i> , 2010, 1217, 5288-5297.	3.7	63
86	Electrochemically-assisted deposition of oxidases on platinum nanoparticle/multi-walled carbon nanotube-modified electrodes. <i>Analyst</i> , 2007, 132, 1254.	3.5	62
87	One-step kinetics-based immunoassay for the highly sensitive detection of C-reactive protein in less than 30min. <i>Analytical Biochemistry</i> , 2014, 456, 32-37.	2.4	62
88	Developments and applications of biosensors. <i>Trends in Biotechnology</i> , 1988, 6, 310-316.	9.3	58
89	Mediated microbial biosensor using a novel yeast strain for wastewater BOD measurement. <i>Applied Microbiology and Biotechnology</i> , 2001, 56, 550-554.	3.6	58
90	Near-infrared surface plasmon resonance sensing on a silicon platform. <i>Sensors and Actuators B: Chemical</i> , 2004, 97, 409-414.	7.8	58

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91	Green Strategy Guided by Raman Spectroscopy for the Synthesis of Ammonium Carboxylated Nanocrystalline Cellulose and the Recovery of Byproducts. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 278-283.	6.7	57
92	Determination of explosives in soil and ground water by liquid chromatography–amperometric detection. <i>Journal of Chromatography A</i> , 1999, 844, 97-110.	3.7	56
93	Synthesis and Stability of Fluorescent Gold Nanoparticles by Sodium Borohydride in the Presence of Mono-6-deoxy-6-pyridinium- $\beta$ -cyclodextrin Chloride. <i>Journal of Physical Chemistry C</i> , 2008, 112, 443-451.	3.1	56
94	Development and application of a biosensor for hypoxanthine in fish extract. <i>Analytica Chimica Acta</i> , 1989, 221, 215-222.	5.4	55
95	Amperometric Biosensor for Total Histamine, Putrescine and Cadaverine using Diamine Oxidase. <i>Journal of Food Science</i> , 1996, 61, 1012-1016.	3.1	55
96	Molecular Signature of <i>Pseudomonas aeruginosa</i> with Simultaneous Nanomolar Detection of Quorum Sensing Signaling Molecules at a Boron-Doped Diamond Electrode. <i>Scientific Reports</i> , 2016, 6, 30001.	3.3	55
97	Biotin interference in immunoassays based on biotin-strept(avidin) chemistry: An emerging threat. <i>Biotechnology Advances</i> , 2019, 37, 634-641.	11.7	55
98	Morphology and electrochemistry of LiMn <sub>2</sub> O <sub>4</sub> optimized by using different Mn-sources. <i>Journal of Power Sources</i> , 2007, 164, 885-889.	7.8	54
99	Silicon-based surface plasmon resonance sensing with two surface plasmon polariton modes. <i>Applied Optics</i> , 2003, 42, 6905.	2.1	52
100	A sensitive nonenzymatic hydrogen peroxide sensor using cadmium oxide nanoparticles/multiwall carbon nanotube modified glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2014, 717-718, 41-46.	3.8	52
101	In-line coupling capillary electrochromatography with amperometric detection for analysis of explosive compounds. <i>Electrophoresis</i> , 2000, 21, 1395-1404.	2.4	51
102	Adaptive Control at Low Glucose Concentration of HEK-293 Cell Serum-Free Cultures. <i>Biotechnology Progress</i> , 1999, 15, 608-616.	2.6	50
103	More Recent Progress in the Preparation of Au Nanostructures, Properties, and Applications. <i>Analytical Letters</i> , 2003, 36, 3097-3118.	1.8	50
104	Poly(vinyl alcohol) Functionalized Poly(dimethylsiloxane) Solid Surface for Immunoassay. <i>Bioconjugate Chemistry</i> , 2007, 18, 281-284.	3.6	49
105	Biosynthesis of pullulan using immobilized <i>Aureobasidium pullulans</i> cells. <i>Biotechnology and Bioengineering</i> , 1989, 33, 306-312.	3.3	48
106	Achiral selectivity in cyclodextrin-modified capillary electrophoresis. <i>Journal of Chromatography A</i> , 1997, 792, 431-444.	3.7	48
107	Mediatorless amperometric glucose biosensing using 3-aminopropyltriethoxysilane-functionalized graphene. <i>Talanta</i> , 2012, 99, 22-28.	5.5	46
108	Reinforced plastics and aerogels by nanocrystalline cellulose. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	45

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109	Chemistry of Biotin—Streptavidin and the Growing Concern of an Emerging Biotin Interference in Clinical Immunoassays. <i>ACS Omega</i> , 2020, 5, 10-18.	3.5	45
110	A regenerable pseudo-reagentless glucose biosensor based on Nafion polymer and 1,1'-dimethylferricinium mediator. <i>Analytica Chimica Acta</i> , 1995, 310, 419-427.	5.4	43
111	A source study of atmospheric polycyclic aromatic hydrocarbons in Shenzhen, South China. <i>Environmental Monitoring and Assessment</i> , 2010, 163, 599-606.	2.7	42
112	Porous Graphitized Carbon Monolith as an Electrode Material for Probing Direct Bioelectrochemistry and Selective Detection of Hydrogen Peroxide. <i>Analytical Chemistry</i> , 2012, 84, 2351-2357.	6.5	42
113	Amperometric biosensor for diamine using diamine oxidase purified from porcine kidney. <i>Enzyme and Microbial Technology</i> , 1997, 20, 32-38.	3.2	40
114	Probing Inhibitory Effects of <i>Antrodia camphorata</i> Isolates Using Insect Cell-Based Impedance Spectroscopy: Inhibition vs Chemical Structure. <i>Chemical Research in Toxicology</i> , 2008, 21, 2127-2133.	3.3	39
115	Kinetic, isotherm and mechanism studies of organic dye adsorption on poly(4,4'-oxybisbenzenamine) and copolymer of poly(4,4'-oxybisbenzenamine-pyrrole) macro-nanoparticles synthesized by multifunctional carbon dots. <i>New Journal of Chemistry</i> , 2019, 43, 1926-1935.	2.8	39
116	Oxidation, Deformation, and Destruction of Carbon Nanotubes in Aqueous Ceric Sulfate. <i>Journal of Physical Chemistry B</i> , 2005, 109, 1400-1407.	2.6	38
117	Antimicrobial Activities of Zn-Doped CuO Microparticles Decorated on Polydopamine against Sensitive and Antibiotic-Resistant Bacteria. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5878-5888.	4.4	38
118	Antimicrobial Properties of Polyaniline and Polypyrrole Decorated with Zinc-Doped Copper Oxide Microparticles. <i>Polymers</i> , 2020, 12, 1286.	4.5	38
119	A Combined Chemical and Electrochemical Approach Using Bis(trifluoroacetoxy)iodobenzene and Glucose Oxidase for the Detection of Chlorinated Phenols. <i>Analytical Chemistry</i> , 1997, 69, 4324-4330.	6.5	37
120	Selective detection of dopamine using a combined permselective film of electropolymerized (poly-tyramine and poly-pyrrole-1-propionic acid) on a boron-doped diamond electrode. <i>Analyst</i> , The, 2009, 134, 519-527.	3.5	37
121	Antibacterial Activity against Methicillin-Resistant <i>Staphylococcus aureus</i> of Colloidal Polydopamine Prepared by Carbon Dot Stimulated Polymerization of Dopamine. <i>Nanomaterials</i> , 2019, 9, 1731.	4.1	36
122	Antibacterial activities of microwave-assisted synthesized polypyrrole/chitosan and poly(pyrrole-N-(1-naphthyl) ethylenediamine) stimulated by C-dots. <i>Carbohydrate Polymers</i> , 2020, 243, 116474.	10.2	36
123	Rapid sandwich ELISA-based in vitro diagnostic procedure for the highly-sensitive detection of human fetuin A. <i>Biosensors and Bioelectronics</i> , 2015, 67, 73-78.	10.1	35
124	Electrochemical sensing of histamine using a glassy carbon electrode modified with multiwalled carbon nanotubes decorated with Ag-Ag <sub>2</sub> O nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 714.	5.0	35
125	Recent Advances of Conducting Polymers and Their Composites for Electrochemical Biosensing Applications. <i>Journal of Functional Biomaterials</i> , 2020, 11, 71.	4.4	35
126	Detection of the <i>Pseudomonas</i> Quinolone Signal (PQS) by cyclic voltammetry and amperometry using a boron doped diamond electrode. <i>Chemical Communications</i> , 2011, 47, 10347.	4.1	34



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127	Sonochemical preparation of polyaniline@TiO <sub>2</sub> and polyaniline@SiO <sub>2</sub> for the removal of anionic and cationic dyes. <i>Ultrasonics Sonochemistry</i> , 2020, 62, 104864.	8.2	33
128	Trends in in vitro diagnostics and mobile healthcare. <i>Biotechnology Advances</i> , 2016, 34, 137-138.	11.7	32
129	Surface plasmon resonance-based immunoassay for procalcitonin. <i>Analytica Chimica Acta</i> , 2016, 938, 129-136.	5.4	32
130	Preparation of nano-entangle polypyrrole with pseudo-molecular template for ATP incorporation. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 925-931.	4.0	31
131	Physicochemical properties of functionalized carbon-based nanomaterials and their toxicity to fishes. <i>Carbon</i> , 2016, 104, 78-89.	10.3	31
132	Immunosensing procedures for carcinoembryonic antigen using graphene and nanocomposites. <i>Biosensors and Bioelectronics</i> , 2017, 89, 293-304.	10.1	31
133	Photocatalytic Degradation of Organic Dyes and Antimicrobial Activities by Polyaniline-Nitrogen-Doped Carbon Dot Nanocomposite. <i>Nanomaterials</i> , 2021, 11, 1128.	4.1	31
134	Utilization of TiO <sub>2</sub> deposited on glass plates for removal of metals from aqueous wastes. <i>Chemosphere</i> , 1999, 38, 865-874.	8.2	30
135	Capillary electrophoretic separation of chlorophenols using amperometric detection. <i>Journal of Chromatography A</i> , 1997, 761, 259-268.	3.7	29
136	Rapid and simple preparation of a reagentless glucose electrochemical biosensor. <i>Analyst</i> , The, 2012, 137, 3800.	3.5	29
137	Affinity Cross-Flow Filtration for Purifying Biomolecules. <i>Nature Biotechnology</i> , 1987, 5, 564-566.	17.5	28
138	Enzyme reactions in the presence of cyclodextrins: biosensors and enzyme assays. <i>Trends in Biotechnology</i> , 1995, 13, 457-463.	9.3	28
139	Mixed-mode capillary electrokinetic separation of positional explosive isomers using sodium dodecyl sulfate and negative- $\beta$ -cyclodextrin derivatives. <i>Journal of Chromatography A</i> , 1998, 811, 225-232.	3.7	28
140	Analysis of the 16 Environmental Protection Agency priority polycyclic aromatic hydrocarbons by high performance liquid chromatography-oxidized diamond film electrodes. <i>Journal of Chromatography A</i> , 2006, 1103, 248-256.	3.7	28
141	Glucose Oxidase Entrapment in an Electropolymerized Poly(tyramine) Film with Sulfobutylether- $\beta$ -Cyclodextrin on Platinum Nanoparticle Modified Boron-Doped Diamond Electrode. <i>Journal of Physical Chemistry C</i> , 2008, 112, 20258-20263.	3.1	28
142	Cyclodextrin-modified capillary electrophoresis for achiral and chiral separation of ergostane and lanostane compounds extracted from the fruiting body of <i>Antrodia camphorata</i> . <i>Electrophoresis</i> , 2009, 30, 1967-1975.	2.4	28
143	A cyclodextrin-porphyrin assembly as chemosensor for pentachlorophenol. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 663-664.	2.0	27
144	Boron Doped Diamond Biosensor for Detection of <i>Escherichia coli</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 7691-7695.	5.2	27

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145	Electrochemical Sensing of Biotin Using Nafion-Modified Boron-Doped Diamond Electrode. ACS Omega, 2018, 3, 7776-7782.	3.5	27
146	Microbial Enzymes: Production, Purification, and Isolation. Critical Reviews in Biotechnology, 1984, 2, 119-146.	9.0	26
147	Bioelectrocatalysis of a water-soluble tetrathiafulvalene $\beta$ -2-hydroxypropyl- $\beta$ -cyclodextrin complex. Analytica Chimica Acta, 1993, 282, 319-327.	5.4	26
148	A Biosensor System for Chlorophenols Using Chloroperoxidase and a Glucose Oxidase Based Amperometric Electrode. Electroanalysis, 1998, 10, 7-11.	2.9	25
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