Nor Azah Yusof

List of Publications by Year
in descending order

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178 papers	4,850 citations	87723 38 h-index	143772 57 g-index
178 all docs	178 docs citations	178 times ranked	6392 citing authors

#	Article	IF	Citations
1	Carbon-Based Nanomaterials/Allotropes: A Glimpse of Their Synthesis, Properties and Some Applications. Materials, 2018, 11, 295.	1.3	239
2	The strategies of DNA immobilization and hybridization detection mechanism in the construction of electrochemical DNA sensor: A review. Sensing and Bio-Sensing Research, 2017, 16, 19-31.	2.2	199
3	A simple and sensitive fluorescence based biosensor for the determination of uric acid using H2O2-sensitive quantum dots/dual enzymes. Biosensors and Bioelectronics, 2015, 67, 129-133.	5.3	150
4	Detection and control of Ganoderma boninense: strategies and perspectives. SpringerPlus, 2013, 2, 555.	1.2	111
5	Microfluidics-Based Lab-on-Chip Systems in DNA-Based Biosensing: An Overview. Sensors, 2011, 11, 5754-5768.	2.1	92
6	Recent development in spinel cobaltites for supercapacitor application. Ceramics International, 2015, 41, 1-14.	2.3	92
7	PNA biosensor based on reduced graphene oxide/water soluble quantum dots for the detection of Mycobacterium tuberculosis. Sensors and Actuators B: Chemical, 2017, 241, 1024-1034.	4.0	88
8	Nanocrystalline cellulose decorated quantum dots based tyrosinase biosensor for phenol determination. Materials Science and Engineering C, 2019, 99, 37-46.	3.8	78
9	Photocatalytic Degradation of p-Cresol by Zinc Oxide under UV Irradiation. International Journal of Molecular Sciences, 2012, 13, 302-315.	1.8	76
10	Preparation and Characterization of Molecularly Imprinted Polymer as SPE Sorbent for Melamine Isolation. Polymers, 2013, 5, 1215-1228.	2.0	75
11	An Aligned-Gap and Centered-Gap Rectangular Multiple Split Ring Resonator for Dielectric Sensing Applications. Sensors, 2014, 14, 13134-13148.	2.1	75
12	Fabrication of reduced graphene oxide-magnetic nanocomposite (rGO-Fe 3 O 4) as an electrochemical sensor for trace determination of As(III) in water resources. Journal of Electroanalytical Chemistry, 2017, 796, 33-42.	1.9	74
13	Surface plasmon resonance optical sensor for detection of Pb2+ based on immobilized p-tert-butylcalix[4]arene-tetrakis in chitosan thin film as an active layer. Sensors and Actuators B: Chemical, 2012, 171-172, 287-293.	4.0	70
14	Biosensor Based on Tyrosinase Immobilized on Graphene-Decorated Gold Nanoparticle/Chitosan for Phenolic Detection in Aqueous. Sensors, 2017, 17, 1132.	2.1	64
15	Construction of an Electrochemical Sensor Based on Carbon Nanotubes/Gold Nanoparticles for Trace Determination of Amoxicillin in Bovine Milk. Sensors, 2016, 16, 56.	2.1	63
16	Folic acid targeted Mn:ZnS quantum dots for theranostic applications of cancer cell imaging and therapy. International Journal of Nanomedicine, 2016, 11, 413.	3.3	62
17	In vivo tumor targeting and anti-tumor effects of 5-fluororacil loaded, folic acid targeted quantum dot system. Journal of Colloid and Interface Science, 2016, 480, 146-158.	5.0	61
18	Electrochemical-assisted photodegradation of mixed dye and textile effluents using TiO2 thin films. Journal of Hazardous Materials, 2007, 146, 73-80.	6.5	59

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19	Synthesis and Evaluation of a Molecularly Imprinted Polymer for 2,4-Dinitrophenol. International Journal of Molecular Sciences, 2009, 10, 354-365.	1.8	59
20	Oil Palm Waste-Based Precursors as a Renewable and Economical Carbon Sources for the Preparation of Reduced Graphene Oxide from Graphene Oxide. Nanomaterials, 2017, 7, 182.	1.9	58
21	The Development of Silicon Nanowire as Sensing Material and Its Applications. Journal of Nanomaterials, 2013, 2013, 1-16.	1.5	57
22	A promising electrochemical sensor based on Au nanoparticles decorated reduced graphene oxide for selective detection of herbicide diuron in natural waters. Journal of Applied Electrochemistry, 2016, 46, 655-666.	1.5	57
23	Incorporation of surface plasmon resonance with novel valinomycin doped chitosan-graphene oxide thin film for sensing potassium ion. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 191, 111-115.	2.0	55
24	Preparation of Chitosanâ€“Hexaconazole Nanoparticles as Fungicide Nanodelivery System for Combating Ganoderma Disease in Oil Palm. Molecules, 2019, 24, 2498.	1.7	55
25	A screen printed carbon electrode modified with carbon nanotubes and gold nanoparticles as a sensitive electrochemical sensor for determination of thiamphenicol residue in milk. RSC Advances, 2018, 8, 2714-2722.	1.7	54
26	Structural and electrochemical properties of manganese substituted nickel cobaltite for supercapacitor application. Electrochimica Acta, 2012, 67, 67-72.	2.6	52
27	An intelligent mobile-enabled expert system for tuberculosis disease diagnosis in real time. Expert Systems With Applications, 2018, 114, 65-77.	4.4	48
28	Electrochemical Immunosensor for Detection of Aflatoxin B1 Based on Indirect Competitive ELISA. Toxins, 2018, 10, 196.	1.5	48
29	Nanoparticle-enhanced electrochemical biosensor with DNA immobilization and hybridization of Trichoderma harzianum gene. Sensing and Bio-Sensing Research, 2014, 2, 16-22.	2.2	46
30	A simple, portable, electrochemical biosensor to screen shellfish for Vibrio parahaemolyticus. AMB Express, 2017, 7, 41.	1.4	46
31	Electrochemical sensor based on gold nanoparticles/ethylenediamine-reduced graphene oxide for trace determination of fenitrothion in water. RSC Advances, 2016, 6, 89430-89439.	1.7	45
32	Doxorubicin-loaded magnetic gold nanoshells for a combination therapy of hyperthermia and drug delivery. Journal of Colloid and Interface Science, 2014, 434, 89-97.	5.0	44
33	The utilization of SiNWs/AuNPs-modified indium tin oxide (ITO) in fabrication of electrochemical DNA sensor. Materials Science and Engineering C, 2014, 45, 270-276.	3.8	44
34	A Novel Disposable Biosensor Based on SiNWs/AuNPs Modified-Screen Printed Electrode for Dengue Virus DNA Oligomer Detection. IEEE Sensors Journal, 2015, 15, 4420-4427.	2.4	44
35	Response surface methodology analysis of the photocatalytic removal of Methylene Blue using bismuth vanadate prepared via polyol route. Journal of Environmental Sciences, 2012, 24, 1694-1701.	3.2	42
36	Preparation and characterization of irradiated carboxymethyl sago starch-acid hydrogel and its application as metal scavenger in aqueous solution. Carbohydrate Polymers, 2016, 138, 34-40.	5.1	42

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37	Development of surface plasmon resonance sensor for determining zinc ion using novel active nanolayers as probe. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 134, 48-52.	2.0	41
38	Preparation, characterization and optical properties of ionophore doped chitosan biopolymer thin film and its potential application for sensing metal ion. Optik, 2015, 126, 4688-4692.	1.4	40
39	Photocatalytic degradation of 1,4-benzoquinone in aqueous ZnO dispersions. Journal of the Brazilian Chemical Society, 2012, 23, 236-240.	0.6	39
40	Development of a Fluorescence Resonance Energy Transfer (FRET)-Based DNA Biosensor for Detection of Synthetic Oligonucleotide of Ganoderma boninense. Biosensors, 2013, 3, 419-428.	2.3	39
41	Iminodiacetic acid modified kenaf fiber for waste water treatment. International Journal of Biological Macromolecules, 2018, 112, 754-760.	3.6	39
42	Electrochemical-assisted photodegradation of dye on TiO2 thin films: investigation on the effect of operational parameters. Journal of Hazardous Materials, 2005, 118, 197-203.	6.5	38
43	Fluorescence biosensor based on encapsulated quantum dots/enzymes/sol-gel for non-invasive detection of uric acid. Journal of Luminescence, 2018, 202, 309-315.	1.5	38
44	Structural, optical and sensing properties of ionophore doped graphene based bionanocomposite thin film. Optik, 2017, 144, 308-315.	1.4	37
45	Synthesis and Characterization of Molecularly Imprinted Polymer Membrane for the Removal of 2,4-Dinitrophenol. International Journal of Molecular Sciences, 2013, 14, 3993-4004.	1.8	35
46	Sandwich Electrochemical Immunosensor for Early Detection of Tuberculosis Based on Graphene/Polyaniline-Modified Screen-Printed Gold Electrode. Sensors, 2018, 18, 3926.	2.1	35
47	Reduced Graphene Oxide/TEMPO-Nanocellulose Nanohybrid-Based Electrochemical Biosensor for the Determination ofMycobacterium tuberculosis. Journal of Sensors, 2020, 2020, 1-11.	0.6	35
48	Detection of Free Fatty Acid in Crude Palm Oil. Asian Journal of Chemistry, 2015, 27, 1569-1573.	0.1	33
49	Linear sweep anodic stripping voltammetry: Determination of Chromium (VI) using synthesized gold nanoparticles modified screen-printed electrode. Journal of Chemical Sciences, 2015, 127, 1075-1081.	0.7	33
50	Modeling and optimization of electrode modified with poly(3,4-ethylenedioxythiophene)/graphene oxide composite by response surface methodology/Box-Behnken design approach. Journal of Electroanalytical Chemistry, 2017, 787, 1-10.	1.9	33
51	Phosphoric acid modified kenaf fiber (K-PA) as green adsorbent for the removal of copper (II) ions towards industrial waste water effluents. Reactive and Functional Polymers, 2020, 147, 104466.	2.0	33
52	Electrochemical DNA biosensor for the detection of specific gene related to Trichoderma harzianum species. Bioelectrochemistry, 2010, 79, 31-36.	2.4	32
53	Synthesis and electrochemical properties of nanostructured nickel-cobalt oxides as supercapacitor electrodes in aqueous media. International Journal of Energy Research, 2015, 39, 1366-1377.	2.2	32
54	Effect of supporting electrolytes in electrochemically-assisted photodegradation of an azo dye. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 172, 316-321.	2.0	31

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55	Nickelâ€“cobalt oxide/activated carbon composite electrodes for electrochemical capacitors. Current Applied Physics, 2012, 12, 1421-1428.	1.1	30
56	Study of morphology and gas separation properties of polysulfone/titanium dioxide mixed matrix membranes. Polymer Engineering and Science, 2015, 55, 367-374.	1.5	30
57	Surface modifications to boost sensitivities of electrochemical biosensors using gold nanoparticles/silicon nanowires and response surface methodology approach. Journal of Materials Science, 2016, 51, 1083-1097.	1.7	29
58	Modification Strategy of Screen-Printed Carbon Electrode with Functionalized Multi-Walled Carbon Nanotube and Chitosan Matrix for Biosensor Development. Asian Journal of Chemistry, 2017, 29, 31-36.	0.1	29
59	Enhanced fungicidal efficacy onGanoderma boninenseby simultaneous co-delivery of hexaconazole and dazomet from their chitosan nanoparticles. RSC Advances, 2019, 9, 27083-27095.	1.7	29
60	Surface Plasmon Resonance Optical Sensor for Detection of Essential Heavy Metal Ions with Potential for Toxicity: Copper, Zinc and Manganese Ions. Sensor Letters, 2011, 9, 1704-1711.	0.4	29
61	Fabrication of an Electrochemical Sensor Based on Gold Nanoparticles/Carbon Nanotubes as Nanocomposite Materials: Determination of Myricetin in Some Drinks. PLoS ONE, 2014, 9, e96686.	1.1	29
62	An electrochemical sensor based on gold nanoparticles-functionalized reduced graphene oxide screen printed electrode for the detection of pyocyanin biomarker in Pseudomonas aeruginosa infection. Materials Science and Engineering C, 2021, 120, 111625.	3.8	28
63	Facile Hydrothermal and Solvothermal Synthesis and Characterization of Nitrogen-Doped Carbon Dots from Palm Kernel Shell Precursor. Applied Sciences (Switzerland), 2021, 11, 1630.	1.3	28
64	A flow-through optical fibre reflectance sensor for the detection of lead ion based on immobilised gallocynine. Sensors and Actuators B: Chemical, 2003, 94, 201-209.	4.0	27
65	Sensitive detection of multiple pathogens using a single DNA probe. Biosensors and Bioelectronics, 2016, 86, 398-405.	5.3	27
66	Electrochemical Energy Storage Potentials of Waste Biomass: Oil Palm Leaf- and Palm Kernel Shell-Derived Activated Carbons. Energies, 2018, 11, 3410.	1.6	27
67	Electrochemical determination of zearalenone using aÂlabel-free competitive aptasensor. Mikrochimica Acta, 2020, 187, 266.	2.5	27
68	A chemical sensor for trace V(V) ion determination based on fatty hydroxamic acid immobilized in polymethylmethacrylate. Sensors and Actuators B: Chemical, 2006, 114, 344-349.	4.0	26
69	Separation of CO₂ from CH₄ by pure PSF and PSF/PVP blend membranes: Effects of type of nonsolvent, solvent, and PVP concentration. Journal of Applied Polymer Science, 2013, 130, 1139-1147.	1.3	26
70	Amperometric Biosensor Based on Zirconium Oxide/Polyethylene Glycol/Tyrosinase Composite Film for the Detection of Phenolic Compounds. Biosensors, 2016, 6, 31.	2.3	26
71	Enhancement of Plasticizing Effect on Bio-Based Polyurethane Acrylate Solid Polymer Electrolyte and Its Properties. Polymers, 2018, 10, 1142.	2.0	26
72	X-ray Photoelectron Spectroscopy Analysis of Chitosanâ€“Graphene Oxide-Based Composite Thin Films for Potential Optical Sensing Applications. Polymers, 2021, 13, 478.	2.0	26

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73	Polysulfone/zinc oxide nanoparticle mixed matrix membranes for CO₂/CH₄ separation. Journal of Applied Polymer Science, 2014, 131, .	1.3	25
74	A flow cell optosensor for lead based on immobilized gallocynin in chitosan membrane. Talanta, 2002, 58, 459-466.	2.9	24
75	Electrochemical DNA biosensor for the detection of Trichoderma harzianum based on a gold electrode modified with a composite membrane made from an ionic liquid, ZnO nanoparticles and chitosan, and by using acridine orange as a redox indicator. Mikrochimica Acta, 2011, 172, 357-363.	2.5	24
76	Optimization of peak current of poly(3,4-ethylenedioxythiophene)/multi-walled carbon nanotube using response surface methodology/central composite design. RSC Advances, 2017, 7, 11101-11110.	1.7	24
77	Immuno Nanosensor for the Ultrasensitive Naked Eye Detection of Tuberculosis. Sensors, 2018, 18, 1932.	2.1	24
78	Electrochemical Detection of Arsenite Using a Silica Nanoparticles-Modified Screen-Printed Carbon Electrode. Materials, 2020, 13, 3168.	1.3	24
79	Investigating the Properties of Cetyltrimethylammonium Bromide/Hydroxylated Graphene Quantum Dots Thin Film for Potential Optical Detection of Heavy Metal Ions. Materials, 2020, 13, 2591.	1.3	24
80	Lateral Flow Immunoassay for Naked Eye Detection of Mycobacterium tuberculosis. Journal of Sensors, 2020, 2020, 1-10.	0.6	24
81	Chitosan-Based Agronanofungicides as a Sustainable Alternative in the Basal Stem Rot Disease Management. Journal of Agricultural and Food Chemistry, 2020, 68, 4305-4314.	2.4	24
82	Removal of Toxic Mercury from Petroleum Oil by Newly Synthesized Molecularly-Imprinted Polymer. International Journal of Molecular Sciences, 2015, 16, 10562-10577.	1.8	23
83	Synthesis and Characterization of Hybrid Molecularly Imprinted Polymer (MIP) Membranes for Removal of Methylene Blue (MB). Molecules, 2012, 17, 1916-1928.	1.7	22
84	Development of electrochemical DNA biosensor for Trichoderma harzianum based on ionic liquid/ZnO nanoparticles/chitosan/gold electrode. Journal of Solid State Electrochemistry, 2012, 16, 273-282.	1.2	22
85	A Potent Antifungal Agent for Basal Stem Rot Disease Treatment in Oil Palms Based on Chitosan-Dazomet Nanoparticles. International Journal of Molecular Sciences, 2019, 20, 2247.	1.8	22
86	Crosslinked Carboxymethyl Sago Starch/Citric Acid Hydrogel for Sorption of Pb2+, Cu2+, Ni2+ and Zn2+ from Aqueous Solution. Polymers, 2020, 12, 2465.	2.0	22
87	Highly sensitive surface plasmon resonance optical detection of ferric ion using CTAB/hydroxylated graphene quantum dots thin film. Journal of Applied Physics, 2020, 128, 083105.	1.1	22
88	DNA hybridization based on Trichoderma harzianum gene probe immobilization on self-assembled monolayers on a modified gold electrode. Sensors and Actuators B: Chemical, 2010, 147, 198-205.	4.0	21
89	Drug Release Profiles of Mitomycin C Encapsulated Quantum Dotsâ€“Chitosan Nanocarrier System for the Possible Treatment of Non-Muscle Invasive Bladder Cancer. Pharmaceutics, 2021, 13, 1379.	2.0	21
90	An NMR Metabolomics Approach and Detection ofGanoderma boninense-Infected Oil Palm Leaves Using MWCNT-Based Electrochemical Sensor. Journal of Nanomaterials, 2019, 2019, 1-12.	1.5	20

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91	Esterified Coconut Coir by Fatty Acid Chloride as Biosorbent in Oil Spill Removal. BioResources, 2015, 10, .	0.5	19
92	Facilitating the indirect detection of genomic DNA in an electrochemical DNA biosensor using magnetic nanoparticles and DNA ligase. Analytical Chemistry Research, 2015, 6, 17-25.	2.0	18
93	Development of Electrochemical Sensor Based on Silica/Gold Nanoparticles Modified Electrode for Detection of Arsenite. IEEE Sensors Journal, 2020, 20, 3406-3414.	2.4	18
94	Label-Free Dengue Detection Utilizing PNA/DNA Hybridization Based on the Aggregation Process of Unmodified Gold Nanoparticles. Journal of Nanomaterials, 2014, 2014, 1-5.	1.5	17
95	A Novel DNA Nanosensor Based on CdSe/ZnS Quantum Dots and Synthesized Fe3O4 Magnetic Nanoparticles. Molecules, 2014, 19, 4355-4368.	1.7	17
96	Enhancing a clenbuterol immunosensor based on poly(3,4-ethylenedioxythiophene)/multi-walled carbon nanotube performance using response surface methodology. RSC Advances, 2018, 8, 15522-15532.	1.7	17
97	Nickel Nanoparticle-Modified Electrode for the Electrochemical Sensory Detection of Penicillin G in Bovine Milk Samples. Journal of Nanomaterials, 2019, 2019, 1-11.	1.5	17
98	Utilization of waste engine oil for carbon nanotube aerogel production using floating catalyst chemical vapor deposition. Journal of Cleaner Production, 2020, 261, 121188.	4.6	17
99	Portable electrochemical immunosensor for detection of Mycobacterium tuberculosis secreted protein CFP10-ESAT6 in clinical sputum samples. Mikrochimica Acta, 2021, 188, 20.	2.5	17
100	Development of Optical Sensor for Determination of Co(II) Based on Surface Plasmon Resonance Phenomenon. Sensor Letters, 2017, 15, 862-867.	0.4	17
101	Enzymatic Synthesis of Fatty Hydroxamic Acid Derivatives Based on Palm Kernel Oil. Molecules, 2011, 16, 6634-6644.	1.7	16
102	Etlingera elatior-Mediated Synthesis of Gold Nanoparticles and Their Application as Electrochemical Current Enhancer. Molecules, 2019, 24, 3141.	1.7	16
103	Optical test strip for trace Hg(II) based on doped solâ€“gel film. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 72, 32-35.	2.0	14
104	Preparation and Characterization of Poly(ethyl hydrazide) Grafted Oil Palm Empty Fruit Bunch for Removal of Ni(II) Ion in Aqueous Environment. Polymers, 2013, 5, 1056-1067.	2.0	14
105	Surface ligand influenced free radical protection of superparamagnetic iron oxide nanoparticles (SPIONs) toward H9c2 cardiac cells. Journal of Materials Science, 2014, 49, 6290-6301.	1.7	14
106	Thiolate-Capped CdSe/ZnS Core-Shell Quantum Dots for the Sensitive Detection of Glucose. Sensors, 2017, 17, 1537.	2.1	14
107	Determination of minimal sequence for zearalenone aptamer by computational docking and application on an indirect competitive electrochemical aptasensor. Analytical and Bioanalytical Chemistry, 2021, 413, 3861-3872.	1.9	14
108	Optical fibre chemical sensor for trace vanadium(V) determination based on newly synthesized palm based fatty hydroxamic acid immobilized in polyvinyl chloride membrane. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 1398-1402.	2.0	13

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109	Preparation and characterization of symmetric and asymmetric pure polysulfone membranes for CO₂ and CH₄ separation. Polymer Engineering and Science, 2014, 54, 1686-1694.	1.5	13
110	Detection of Quinoline in G. boninense-Infected Plants Using Functionalized Multi-Walled Carbon Nanotubes: A Field Study. Sensors, 2017, 17, 1538.	2.1	13
111	A sample pre-treatment-free electrochemical immunosensor with negative electro-pulsion for the quantitative detection of acrylamide in coffee, cocoa and prune juice. Analytical Methods, 2019, 11, 4299-4313.	1.3	13
112	Development of New Carbon-Based Electrode Material from Oil Palm Waste-Derived Reduced Graphene Oxide and Its Capacitive Performance Evaluation. Journal of Nanomaterials, 2019, 2019, 1-13.	1.5	13
113	Phytotoxicity of chitosan-based agronanofungicides in the vegetative growth of oil palm seedling. PLoS ONE, 2020, 15, e0231315.	1.1	13
114	Enzymatic Synthesis of Phenyl Fatty Hydroxamic Acids from Canola and Palm Oils. Journal of Oleo Science, 2011, 60, 281-286.	0.6	12
115	An Optical Test Strip for the Detection of Benzoic Acid in Food. Sensors, 2011, 11, 7302-7313.	2.1	12
116	Preparation and Characterization of Poly(ethyl hydrazide)-Grafted Oil Palm Empty Fruit Bunch Fibre for the Removal of Cu(II) Ions from an Aqueous Environment. Molecules, 2013, 18, 8461-8472.	1.7	12
117	Study on the Spectrophotometric Detection of Free Fatty Acids in Palm Oil Utilizing Enzymatic Reactions. Molecules, 2015, 20, 12328-12340.	1.7	12
118	Sol-Gel Synthesis of Fe2O3-Doped TiO2 for Optimized Photocatalytic Degradation of 2,4-Dichlorophenoxyacetic Acid. Oriental Journal of Chemistry, 2017, 33, 1959-1968.	0.1	12
119	Synthesis and mechanism perspectives of a carbon nanotube aerogel via a floating catalyst chemical vapour deposition method. Bulletin of Materials Science, 2019, 42, 1.	0.8	12
120	Evaluation of porogen factors for the preparation of ion imprinted polymer monoliths used in mercury removal. PLoS ONE, 2018, 13, e0195546.	1.1	11
121	Electrochemical sensory detection of Sus scrofa mtDNA for food adulteration using hybrid ferrocenylnaphthalene diimide intercalator as a hybridization indicator. RSC Advances, 2020, 10, 27336-27345.	1.7	11
122	A Novel Amperometric Aptamerâ€“Antibody Sandwich Assay for the Detection of Tuberculosis With Diazonium Electrografted Enhanced Modified Electrode. IEEE Sensors Journal, 2021, 21, 22442-22449.	2.4	11
123	Development of a flow-through optosensor for determination of Co(II). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 413-418.	2.0	10
124	Metabolites identification of oil palm roots infected with Ganoderma boninense using GCâ€“MS-based metabolomics. Arabian Journal of Chemistry, 2020, 13, 6191-6200.	2.3	10
125	Aptasensor for the Detection of Mycobacterium tuberculosis in Sputum Utilising CFP10-ESAT6 Protein as a Selective Biomarker. Nanomaterials, 2021, 11, 2446.	1.9	10
126	An Electrochemical Biosensor for the Determination ofGanoderma boninensePathogen Based on a Novel Modified Gold Nanocomposite Film Electrode. Analytical Letters, 2014, 47, 819-832.	1.0	9

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127	Benzyl and Methyl Fatty Hydroxamic Acids Based on Palm Kernel Oil as Chelating Agent for Liquid-Liquid Iron(III) Extraction. International Journal of Molecular Sciences, 2012, 13, 2148-2159.	1.8	8
128	Histological analysis of anti-cancer drug loaded, targeted Mn:ZnS quantum dots in metastatic lesions of 4T1 challenged mice. Journal of Materials Science: Materials in Medicine, 2017, 28, 138.	1.7	8
129	Enhanced electrochemical sensing of secondary metabolites in oil palms for early detection of Ganoderma boninense based on novel nanoparticle-chitosan functionalized multi-walled carbon nanotube platform. Sensing and Bio-Sensing Research, 2019, 23, 100274.	2.2	8
130	DNA Electrochemical Biosensor Based on Iron Oxide/Nanocellulose Crystalline Composite Modified Screen-Printed Carbon Electrode for Detection of Mycobacterium tuberculosis. Molecules, 2020, 25, 3373.	1.7	8
131	Glycosylated biomarker sensors: advancements in prostate cancer diagnosis. Chemical Communications, 2021, 57, 9640-9655.	2.2	8
132	Electrochemical Behavior and Detection of Diclofenac at a Microporous Si3N4 Membrane Modified Waterâ€“1,6-dichlorohexane Interface System. Chemosensors, 2020, 8, 11.	1.8	7
133	An Optical Sensor for Dengue Envelope Proteins Using Polyamidoamine Dendrimer Biopolymer-Based Nanocomposite Thin Film: Enhanced Sensitivity, Selectivity, and Recovery Studies. Polymers, 2021, 13, 762.	2.0	7
134	Laboratory Diagnosis and Potential Application of Nucleic Acid Biosensor Approach for Early Detection of Dengue Virus Infections. Biosciences, Biotechnology Research Asia, 2018, 15, 245-255.	0.2	7
135	Copper Extraction by Fatty Hydroxamic Acids Derivatives Synthesized Based on Palm Kernel Oil. Journal of Oleo Science, 2012, 61, 189-195.	0.6	6
136	Carbon Nanotubes and Graphene for Sensor Technology. , 2019, , 205-222.		6
137	Reduced Graphene Oxide/Gold Nanoparticles Modified Screen-Printed Electrode for the Determination of Palmitic Acid. Journal of Sensors, 2021, 2021, 1-14.	0.6	6
138	Ion Imprinted Polymer Monoliths as Adsorbent Materials for the Removal of Hg(II) from Real-Time Aqueous Samples. Current Science, 2017, 113, 2282.	0.4	6
139	Computer modeling to optimize the sensitivity of an optical DNA nanosensor. Sensors and Actuators B: Chemical, 2015, 207, 716-723.	4.0	5
140	Fluorescence-based immunoassay for the detection of Xanthomonas oryzae pv. oryzae in rice leaf. Analytical Biochemistry, 2020, 610, 113876.	1.1	5
141	Enhanced Electrochemical Conductivity of Surface-Coated Gold Nanoparticles/Copper Nanowires onto Screen-Printed Gold Electrode. Coatings, 2022, 12, 622.	1.2	5
142	A simple capacitive biosensor device for histamine measurement. Sensor Review, 2012, 32, 245-250.	1.0	4
143	Gold Nanoparticles Modified Screen Printed Electrode for Determination of Pb (II) Ion Using Linear Sweep Anodic Stripping Voltammetry. IEEE Sensors Journal, 2014, , 1-1.	2.4	4
144	Synthesis and Surface Modification of Biocompatible Water Soluble Core-Shell Quantum Dots. Advanced Materials Research, 2014, 879, 184-190.	0.3	4

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145	Characterization of Polylactide-Stabilized Gold Nanoparticles and Its Application in the Fabrication of Electrochemical DNA Biosensors. Journal of the Brazilian Chemical Society, 2016, , .	0.6	4
146	Decoration of carbon nanotubes with gold nanoparticles by electroless deposition process using ethylenediamine as a cross linker. Journal of Materials Research, 2016, 31, 2897-2905.	1.2	4
147	Synthesis, Characterization, and Application of Poly(4,4'-Cyclohexylidene Bisphenol Oxalate) for Solid-Phase Extraction of DNA. BioMed Research International, 2019, 2019, 1-12.	0.9	4
148	Detection of Stress Induced by Ganoderma boninense Infection in Oil Palm Leaves Using Reduced Graphene Oxide and Zinc Oxide Nanoparticles Screen-Printed Carbon Electrode. IEEE Sensors Journal, 2020, 20, 13253-13261.	2.4	4
149	Centered-gap and aligned-gap multiple split ring resonator for bio-sensing application. , 2013, , .		3
150	Fabrication and Characterization of Molecularly Imprinted Polymer for Hg(II) Ion. Asian Journal of Chemistry, 2014, 26, 5029-5032.	0.1	3
151	Fabrication of Titania Nanotube and Its Application for Palmitic Acid Determination by Electrochemical Technique. Sensor Letters, 2018, 16, 729-736.	0.4	3
152	Development of an Electrochemical DNA Biosensor to Detect a Foodborne Pathogen. Journal of Visualized Experiments, 2018, , .	0.2	3
153	Cytoprotection, Genoprotection, and Dermal Exposure Assessment of Chitosan-Based Agronanofungicides. Pharmaceutics, 2020, 12, 497.	2.0	3
154	Direct synthesis of carbon nanotube aerogel using floating catalyst chemical vapor deposition: effect of gas flow rate. Chemical Papers, 2020, 74, 3359-3365.	1.0	3
155	Molecular imprinted polymer for Î²-carotene for application in palm oil mill effluent treatment. Arabian Journal of Chemistry, 2021, 14, 102928.	2.3	3
156	An Automated Colourimetric Test by Computational Chromaticity Analysis: A Case Study of Tuberculosis Test. Advances in Intelligent Systems and Computing, 2017, , 313-320.	0.5	3
157	Strategies for the preparation of non-amplified and amplified genomic dengue gene samples for electrochemical DNA biosensing applications. RSC Advances, 2021, 12, 1-10.	1.7	3
158	One-pot synthesis of iron oxide nanoparticles: Effect of stirring rate and reaction time on its physical characteristics. Inorganic and Nano-Metal Chemistry, 0, , 1-7.	0.9	3
159	Electrochemical detection of DNA hybridization based on bismuth oxide nanoparticles/chitosan-modified electrodes with methylene blue as an electrochemical indicator. , 2010, , .		2
160	Algae-Derived Biomass for Sustainable and Renewable Biofuel Production. , 2015, , 341-373.		2
161	Patterned Array of Poly(ethylene glycol) Silane Monolayer for Label-Free Detection of Dengue. Sensors, 2016, 16, 1365.	2.1	2
162	Nanosensors for early detection of plant diseases. , 2020, , 407-419.		2

#	Article	IF	Citations
163	Electrochemical Detection of a Local Anesthetic Dibucaine at Arrays of Liquid|Liquid MicroInterfaces. Chemosensors, 2021, 9, 15.	1.8	2
164	Fabrication and evaluation of surface plasmon resonance optical sensor for heavy metal ions detection. , 2013, , .		1
165	Aligned-gap multiple split ring resonator for dielectric sensing application. , 2014, , .		1
166	An embedded processing of differential pulse voltammetry (DPV) data using ARM processor (LPC1768). , 2015, , .		1
167	High-Efficiency DNA Extraction Using Poly(4,4â€²-Cyclohexylidene Bisphenol Oxalate)-Modified Microcrystalline Cellulose-Magnetite Composite. International Journal of Polymer Science, 2019, 2019, 1-10.	1.2	1
168	Molecularly imprinted polymer for water contaminants. , 2020, , 211-233.		1
169	Enhancement of Electrochemical Properties Using Iron Oxide-Gold Nanocomposite for Tuberculosis Detection Based on rGO-APTES Modified Screen-Printed Electrode. IEEE Sensors Journal, 2021, 21, 7233-7241.	2.4	1
170	Preparation and Characterization of Molecular Imprinted Polymer for Melamine Based on Methacrylamide and 9-Vinylcarbazole as Complexing Monomer. Asian Journal of Chemistry, 2014, 26, 2285-2288.	0.1	0
171	Biopolymer-Based Thin Film for Sensor Application. Advanced Materials Research, 2015, 1107, 631-636.	0.3	0
172	Silicon nanowire interface circuit for biosensing applications. , 2015, , .		0
173	Sensory Measurement of Mercury and Cadmium Ions in Water Using Silicon Nanowires-Modified Screen Printed Carbon Electrode. Asian Journal of Chemistry, 2016, 28, 1429-1434.	0.1	0
174	A Novel Base Catalyzed Esterification Reaction for Spectrophotometric Determination of Free Fatty Acid in Crude Palm Oil. Asian Journal of Chemistry, 2017, 29, 723-727.	0.1	0
175	DNA Adsorption Studies of Poly(4,4â€²-Cychlohexylidene Bisphenol Oxalate)/Silica Nanocomposites. Materials, 2019, 12, 1178.	1.3	0
176	Voltammetric determination of palmitic acid by electrode modified with reduced graphene oxide. Journal of Food Science and Technology, 2022, 59, 1053-1062.	1.4	0
177	Chemical Processes and Reaction By-products Involved in the Biorefinery Concept of Biofuel Production. , 2015, , 471-489.		0
178	Impedimetric Lectin Biosensor for Prostate Cancer Detection. , 2021, , .		0