

# Nor Azah Yusof

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3065957/publications.pdf>

Version: 2024-02-01

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	Voltammetric determination of palmitic acid by electrode modified with reduced graphene oxide. <i>Journal of Food Science and Technology</i> , 2022, 59, 1053-1062.	1.4	0
2	Enhanced Electrochemical Conductivity of Surface-Coated Gold Nanoparticles/Copper Nanowires onto Screen-Printed Gold Electrode. <i>Coatings</i> , 2022, 12, 622.	1.2	5
3	An electrochemical sensor based on gold nanoparticles-functionalized reduced graphene oxide screen printed electrode for the detection of pyocyanin biomarker in <i>Pseudomonas aeruginosa</i> infection. <i>Materials Science and Engineering C</i> , 2021, 120, 111625.	3.8	28
4	Molecular imprinted polymer for $\beta$ -carotene for application in palm oil mill effluent treatment. <i>Arabian Journal of Chemistry</i> , 2021, 14, 102928.	2.3	3
5	A Novel Amperometric Aptamer-Antibody Sandwich Assay for the Detection of Tuberculosis With Diazonium Electrografted Enhanced Modified Electrode. <i>IEEE Sensors Journal</i> , 2021, 21, 22442-22449.	2.4	11
6	Electrochemical Detection of a Local Anesthetic Dibucaine at Arrays of Liquid   Liquid MicroInterfaces. <i>Chemosensors</i> , 2021, 9, 15.	1.8	2
7	Glycosylated biomarker sensors: advancements in prostate cancer diagnosis. <i>Chemical Communications</i> , 2021, 57, 9640-9655.	2.2	8
8	X-ray Photoelectron Spectroscopy Analysis of Chitosan-Graphene Oxide-Based Composite Thin Films for Potential Optical Sensing Applications. <i>Polymers</i> , 2021, 13, 478.	2.0	26
9	Facile Hydrothermal and Solvothermal Synthesis and Characterization of Nitrogen-Doped Carbon Dots from Palm Kernel Shell Precursor. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1630.	1.3	28
10	An Optical Sensor for Dengue Envelope Proteins Using Polyamidoamine Dendrimer Biopolymer-Based Nanocomposite Thin Film: Enhanced Sensitivity, Selectivity, and Recovery Studies. <i>Polymers</i> , 2021, 13, 762.	2.0	7
11	Reduced Graphene Oxide/Gold Nanoparticles Modified Screen-Printed Electrode for the Determination of Palmitic Acid. <i>Journal of Sensors</i> , 2021, 2021, 1-14.	0.6	6
12	Determination of minimal sequence for zearalenone aptamer by computational docking and application on an indirect competitive electrochemical aptasensor. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3861-3872.	1.9	14
13	Drug Release Profiles of Mitomycin C Encapsulated Quantum Dots-Chitosan Nanocarrier System for the Possible Treatment of Non-Muscle Invasive Bladder Cancer. <i>Pharmaceutics</i> , 2021, 13, 1379.	2.0	21
14	Aptasensor for the Detection of Mycobacterium tuberculosis in Sputum Utilising CFP10-ESAT6 Protein as a Selective Biomarker. <i>Nanomaterials</i> , 2021, 11, 2446.	1.9	10
15	Portable electrochemical immunosensor for detection of Mycobacterium tuberculosis secreted protein CFP10-ESAT6 in clinical sputum samples. <i>Mikrochimica Acta</i> , 2021, 188, 20.	2.5	17
16	Enhancement of Electrochemical Properties Using Iron Oxide-Gold Nanocomposite for Tuberculosis Detection Based on rGO-APTES Modified Screen-Printed Electrode. <i>IEEE Sensors Journal</i> , 2021, 21, 7233-7241.	2.4	1
17	Impedimetric Lectin Biosensor for Prostate Cancer Detection. , 2021, , .		0
18	Strategies for the preparation of non-amplified and amplified genomic dengue gene samples for electrochemical DNA biosensing applications. <i>RSC Advances</i> , 2021, 12, 1-10.	1.7	3

#	ARTICLE	IF	CITATIONS
19	Phosphoric acid modified kenaf fiber (K-PA) as green adsorbent for the removal of copper (II) ions towards industrial waste water effluents. <i>Reactive and Functional Polymers</i> , 2020, 147, 104466.	2.0	33
20	Development of Electrochemical Sensor Based on Silica/Gold Nanoparticles Modified Electrode for Detection of Arsenite. <i>IEEE Sensors Journal</i> , 2020, 20, 3406-3414.	2.4	18
21	DNA Electrochemical Biosensor Based on Iron Oxide/Nanocellulose Crystalline Composite Modified Screen-Printed Carbon Electrode for Detection of <i>Mycobacterium tuberculosis</i> . <i>Molecules</i> , 2020, 25, 3373.	1.7	8
22	Electrochemical Detection of Arsenite Using a Silica Nanoparticles-Modified Screen-Printed Carbon Electrode. <i>Materials</i> , 2020, 13, 3168.	1.3	24
23	Electrochemical sensory detection of <i>Sus scrofa</i> mtDNA for food adulteration using hybrid ferrocenylnaphthalene diimide intercalator as a hybridization indicator. <i>RSC Advances</i> , 2020, 10, 27336-27345.	1.7	11
24	Fluorescence-based immunoassay for the detection of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> in rice leaf. <i>Analytical Biochemistry</i> , 2020, 610, 113876.	1.1	5
25	Crosslinked Carboxymethyl Sago Starch/Citric Acid Hydrogel for Sorption of Pb <sup>2+</sup> , Cu <sup>2+</sup> , Ni <sup>2+</sup> and Zn <sup>2+</sup> from Aqueous Solution. <i>Polymers</i> , 2020, 12, 2465.	2.0	22
26	Highly sensitive surface plasmon resonance optical detection of ferric ion using CTAB/hydroxylated graphene quantum dots thin film. <i>Journal of Applied Physics</i> , 2020, 128, 083105.	1.1	22
27	Molecularly imprinted polymer for water contaminants. , 2020, , 211-233.		1
28	Investigating the Properties of Cetyltrimethylammonium Bromide/Hydroxylated Graphene Quantum Dots Thin Film for Potential Optical Detection of Heavy Metal Ions. <i>Materials</i> , 2020, 13, 2591.	1.3	24
29	Metabolites identification of oil palm roots infected with <i>Ganoderma boninense</i> using GC-MS-based metabolomics. <i>Arabian Journal of Chemistry</i> , 2020, 13, 6191-6200.	2.3	10
30	Cytoprotection, Genoprotection, and Dermal Exposure Assessment of Chitosan-Based Agronanofungicides. <i>Pharmaceutics</i> , 2020, 12, 497.	2.0	3
31	Electrochemical Behavior and Detection of Diclofenac at a Microporous Si <sub>3</sub> N <sub>4</sub> Membrane Modified Water-1,6-dichlorohexane Interface System. <i>Chemosensors</i> , 2020, 8, 11.	1.8	7
32	Utilization of waste engine oil for carbon nanotube aerogel production using floating catalyst chemical vapor deposition. <i>Journal of Cleaner Production</i> , 2020, 261, 121188.	4.6	17
33	Detection of Stress Induced by <i>Ganoderma boninense</i> Infection in Oil Palm Leaves Using Reduced Graphene Oxide and Zinc Oxide Nanoparticles Screen-Printed Carbon Electrode. <i>IEEE Sensors Journal</i> , 2020, 20, 13253-13261.	2.4	4
34	Lateral Flow Immunoassay for Naked Eye Detection of <i>Mycobacterium tuberculosis</i> . <i>Journal of Sensors</i> , 2020, 2020, 1-10.	0.6	24
35	Electrochemical determination of zearalenone using a label-free competitive aptasensor. <i>Mikrochimica Acta</i> , 2020, 187, 266.	2.5	27
36	Nanosensors for early detection of plant diseases. , 2020, , 407-419.		2

#	ARTICLE	IF	CITATIONS
37	Chitosan-Based Agronanofungicides as a Sustainable Alternative in the Basal Stem Rot Disease Management. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 4305-4314.	2.4	24
38	Direct synthesis of carbon nanotube aerogel using floating catalyst chemical vapor deposition: effect of gas flow rate. <i>Chemical Papers</i> , 2020, 74, 3359-3365.	1.0	3
39	Phytotoxicity of chitosan-based agronanofungicides in the vegetative growth of oil palm seedling. <i>PLoS ONE</i> , 2020, 15, e0231315.	1.1	13
40	Reduced Graphene Oxide/TEMPO-Nanocellulose Nanohybrid-Based Electrochemical Biosensor for the Determination of <i>Mycobacterium tuberculosis</i> . <i>Journal of Sensors</i> , 2020, 2020, 1-11.	0.6	35
41	A sample pre-treatment-free electrochemical immunosensor with negative electro-pulsion for the quantitative detection of acrylamide in coffee, cocoa and prune juice. <i>Analytical Methods</i> , 2019, 11, 4299-4313.	1.3	13
42	High-Efficiency DNA Extraction Using Poly(4,4'-Cyclohexylidene Bisphenol Oxalate)-Modified Microcrystalline Cellulose-Magnetite Composite. <i>International Journal of Polymer Science</i> , 2019, 2019, 1-10.	1.2	1
43	Preparation of Chitosan-Hexaconazole Nanoparticles as Fungicide Nanodelivery System for Combating Ganoderma Disease in Oil Palm. <i>Molecules</i> , 2019, 24, 2498.	1.7	55
44	Synthesis and mechanism perspectives of a carbon nanotube aerogel via a floating catalyst chemical vapour deposition method. <i>Bulletin of Materials Science</i> , 2019, 42, 1.	0.8	12
45	An NMR Metabolomics Approach and Detection of <i>Ganoderma boninense</i> -Infected Oil Palm Leaves Using MWCNT-Based Electrochemical Sensor. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-12.	1.5	20
46	Synthesis, Characterization, and Application of Poly(4,4'-Cyclohexylidene Bisphenol Oxalate) for Solid-Phase Extraction of DNA. <i>BioMed Research International</i> , 2019, 2019, 1-12.	0.9	4
47	Enhanced fungicidal efficacy on <i>Ganoderma boninense</i> by simultaneous co-delivery of hexaconazole and dazomet from their chitosan nanoparticles. <i>RSC Advances</i> , 2019, 9, 27083-27095.	1.7	29
48	Etlintera elatior-Mediated Synthesis of Gold Nanoparticles and Their Application as Electrochemical Current Enhancer. <i>Molecules</i> , 2019, 24, 3141.	1.7	16
49	Nanocrystalline cellulose decorated quantum dots based tyrosinase biosensor for phenol determination. <i>Materials Science and Engineering C</i> , 2019, 99, 37-46.	3.8	78
50	A Potent Antifungal Agent for Basal Stem Rot Disease Treatment in Oil Palms Based on Chitosan-Dazomet Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2247.	1.8	22
51	Enhanced electrochemical sensing of secondary metabolites in oil palms for early detection of <i>Ganoderma boninense</i> based on novel nanoparticle-chitosan functionalized multi-walled carbon nanotube platform. <i>Sensing and Bio-Sensing Research</i> , 2019, 23, 100274.	2.2	8
52	DNA Adsorption Studies of Poly(4,4'-Cyclohexylidene Bisphenol Oxalate)/Silica Nanocomposites. <i>Materials</i> , 2019, 12, 1178.	1.3	0
53	Nickel Nanoparticle-Modified Electrode for the Electrochemical Sensory Detection of Penicillin G in Bovine Milk Samples. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-11.	1.5	17
54	Development of New Carbon-Based Electrode Material from Oil Palm Waste-Derived Reduced Graphene Oxide and Its Capacitive Performance Evaluation. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-13.	1.5	13

#	ARTICLE	IF	CITATIONS
55	Carbon Nanotubes and Graphene for Sensor Technology. , 2019, , 205-222.		6
56	Iminodiacetic acid modified kenaf fiber for waste water treatment. International Journal of Biological Macromolecules, 2018, 112, 754-760.	3.6	39
57	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
58	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
59	Sandwich Electrochemical Immunosensor for Early Detection of Tuberculosis Based on Graphene/Polyaniline-Modified Screen-Printed Gold Electrode. Sensors, 2018, 18, 3926.	2.1	35
60	Fabrication of Titania Nanotube and Its Application for Palmitic Acid Determination by Electrochemical Technique. Sensor Letters, 2018, 16, 729-736.	0.4	3
61	Electrochemical Energy Storage Potentials of Waste Biomass: Oil Palm Leaf- and Palm Kernel Shell-Derived Activated Carbons. Energies, 2018, 11, 3410.	1.6	27
62	Enhancement of Plasticizing Effect on Bio-Based Polyurethane Acrylate Solid Polymer Electrolyte and Its Properties. Polymers, 2018, 10, 1142.	2.0	26
63	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
64	An intelligent mobile-enabled expert system for tuberculosis disease diagnosis in real time. Expert Systems With Applications, 2018, 114, 65-77.	4.4	48
65	Carbon-Based Nanomaterials/Allotropes: A Glimpse of Their Synthesis, Properties and Some Applications. Materials, 2018, 11, 295.	1.3	239
66	Immuno Nanosensor for the Ultrasensitive Naked Eye Detection of Tuberculosis. Sensors, 2018, 18, 1932.	2.1	24
67	Electrochemical Immunosensor for Detection of Aflatoxin B1 Based on Indirect Competitive ELISA. Toxins, 2018, 10, 196.	1.5	48
68	Evaluation of porogen factors for the preparation of ion imprinted polymer monoliths used in mercury removal. PLoS ONE, 2018, 13, e0195546.	1.1	11
69	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
70	Development of an Electrochemical DNA Biosensor to Detect a Foodborne Pathogen. Journal of Visualized Experiments, 2018, , .	0.2	3
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	Optimization of peak current of poly(3,4-ethylenedioxythiophene)/multi-walled carbon nanotube using response surface methodology/central composite design. <i>RSC Advances</i> , 2017, 7, 11101-11110.	1.7	24
74	A simple, portable, electrochemical biosensor to screen shellfish for <i>Vibrio parahaemolyticus</i> . <i>AMB Express</i> , 2017, 7, 41.	1.4	46
75	Fabrication of reduced graphene oxide-magnetic nanocomposite (rGO-Fe <sub>3</sub> O <sub>4</sub> ) as an electrochemical sensor for trace determination of As(III) in water resources. <i>Journal of Electroanalytical Chemistry</i> , 2017, 796, 33-42.	1.9	74
76	The strategies of DNA immobilization and hybridization detection mechanism in the construction of electrochemical DNA sensor: A review. <i>Sensing and Bio-Sensing Research</i> , 2017, 16, 19-31.	2.2	199
77	Histological analysis of anti-cancer drug loaded, targeted Mn:ZnS quantum dots in metastatic lesions of 4T1 challenged mice. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 138.	1.7	8
78	Structural, optical and sensing properties of ionophore doped graphene based bionanocomposite thin film. <i>Optik</i> , 2017, 144, 308-315.	1.4	37
79	PNA biosensor based on reduced graphene oxide/water soluble quantum dots for the detection of <i>Mycobacterium tuberculosis</i> . <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 1024-1034.	4.0	88
80	A Novel Base Catalyzed Esterification Reaction for Spectrophotometric Determination of Free Fatty Acid in Crude Palm Oil. <i>Asian Journal of Chemistry</i> , 2017, 29, 723-727.	0.1	0
81	Oil Palm Waste-Based Precursors as a Renewable and Economical Carbon Sources for the Preparation of Reduced Graphene Oxide from Graphene Oxide. <i>Nanomaterials</i> , 2017, 7, 182.	1.9	58
82	Biosensor Based on Tyrosinase Immobilized on Graphene-Decorated Gold Nanoparticle/Chitosan for Phenolic Detection in Aqueous. <i>Sensors</i> , 2017, 17, 1132.	2.1	64
83	Detection of Quinoline in <i>G. boninense</i> -Infected Plants Using Functionalized Multi-Walled Carbon Nanotubes: A Field Study. <i>Sensors</i> , 2017, 17, 1538.	2.1	13
84	Thiolate-Capped CdSe/ZnS Core-Shell Quantum Dots for the Sensitive Detection of Glucose. <i>Sensors</i> , 2017, 17, 1537.	2.1	14
85	Sol-Gel Synthesis of Fe <sub>2</sub> O <sub>3</sub> -Doped TiO <sub>2</sub> for Optimized Photocatalytic Degradation of 2,4-Dichlorophenoxyacetic Acid. <i>Oriental Journal of Chemistry</i> , 2017, 33, 1959-1968.	0.1	12
86	Modification Strategy of Screen-Printed Carbon Electrode with Functionalized Multi-Walled Carbon Nanotube and Chitosan Matrix for Biosensor Development. <i>Asian Journal of Chemistry</i> , 2017, 29, 31-36.	0.1	29
87	An Automated Colourimetric Test by Computational Chromaticity Analysis: A Case Study of Tuberculosis Test. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 313-320.	0.5	3
88	Development of Optical Sensor for Determination of Co(II) Based on Surface Plasmon Resonance Phenomenon. <i>Sensor Letters</i> , 2017, 15, 862-867.	0.4	17
89	Ion Imprinted Polymer Monoliths as Adsorbent Materials for the Removal of Hg(II) from Real-Time Aqueous Samples. <i>Current Science</i> , 2017, 113, 2282.	0.4	6
90	Characterization of Polylactide-Stabilized Gold Nanoparticles and Its Application in the Fabrication of Electrochemical DNA Biosensors. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	4

#	ARTICLE	IF	CITATIONS
91	Sensory Measurement of Mercury and Cadmium Ions in Water Using Silicon Nanowires-Modified Screen Printed Carbon Electrode. <i>Asian Journal of Chemistry</i> , 2016, 28, 1429-1434.	0.1	0
92	Amperometric Biosensor Based on Zirconium Oxide/Polyethylene Glycol/Tyrosinase Composite Film for the Detection of Phenolic Compounds. <i>Biosensors</i> , 2016, 6, 31.	2.3	26
93	Construction of an Electrochemical Sensor Based on Carbon Nanotubes/Gold Nanoparticles for Trace Determination of Amoxicillin in Bovine Milk. <i>Sensors</i> , 2016, 16, 56.	2.1	63
94	Patterned Array of Poly(ethylene glycol) Silane Monolayer for Label-Free Detection of Dengue. <i>Sensors</i> , 2016, 16, 1365.	2.1	2
95	Folic acid targeted Mn:ZnS quantum dots for theranostic applications of cancer cell imaging and therapy. <i>International Journal of Nanomedicine</i> , 2016, 11, 413.	3.3	62
96	Sensitive detection of multiple pathogens using a single DNA probe. <i>Biosensors and Bioelectronics</i> , 2016, 86, 398-405.	5.3	27
97	Decoration of carbon nanotubes with gold nanoparticles by electroless deposition process using ethylenediamine as a cross linker. <i>Journal of Materials Research</i> , 2016, 31, 2897-2905.	1.2	4
98	A promising electrochemical sensor based on Au nanoparticles decorated reduced graphene oxide for selective detection of herbicide diuron in natural waters. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 655-666.	1.5	57
99	Electrochemical sensor based on gold nanoparticles/ethylenediamine-reduced graphene oxide for trace determination of fenitrothion in water. <i>RSC Advances</i> , 2016, 6, 89430-89439.	1.7	45
100	In vivo tumor targeting and anti-tumor effects of 5-fluororacil loaded, folic acid targeted quantum dot system. <i>Journal of Colloid and Interface Science</i> , 2016, 480, 146-158.	5.0	61
101	Preparation and characterization of irradiated carboxymethyl sago starch-acid hydrogel and its application as metal scavenger in aqueous solution. <i>Carbohydrate Polymers</i> , 2016, 138, 34-40.	5.1	42
102	Surface modifications to boost sensitivities of electrochemical biosensors using gold nanoparticles/silicon nanowires and response surface methodology approach. <i>Journal of Materials Science</i> , 2016, 51, 1083-1097.	1.7	29
103	Study on the Spectrophotometric Detection of Free Fatty Acids in Palm Oil Utilizing Enzymatic Reactions. <i>Molecules</i> , 2015, 20, 12328-12340.	1.7	12
104	Esterified Coconut Coir by Fatty Acid Chloride as Biosorbent in Oil Spill Removal. <i>BioResources</i> , 2015, 10, .	0.5	19
105	Detection of Free Fatty Acid in Crude Palm Oil. <i>Asian Journal of Chemistry</i> , 2015, 27, 1569-1573.	0.1	33
106	A Novel Disposable Biosensor Based on SiNWs/AuNPs Modified-Screen Printed Electrode for Dengue Virus DNA Oligomer Detection. <i>IEEE Sensors Journal</i> , 2015, 15, 4420-4427.	2.4	44
107	Algae-Derived Biomass for Sustainable and Renewable Biofuel Production. , 2015, , 341-373.		2
108	Biopolymer-Based Thin Film for Sensor Application. <i>Advanced Materials Research</i> , 2015, 1107, 631-636.	0.3	0

#	ARTICLE	IF	CITATIONS
109	Silicon nanowire interface circuit for biosensing applications. , 2015, , .		0
110	An embedded processing of differential pulse voltammetry (DPV) data using ARM processor (LPC1768). , 2015, , .		1
111	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
112	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
113	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
114	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
115	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
116	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
117	Computer modeling to optimize the sensitivity of an optical DNA nanosensor. Sensors and Actuators B: Chemical, 2015, 207, 716-723.	4.0	5
118	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
119	Recent development in spinel cobaltites for supercapacitor application. Ceramics International, 2015, 41, 1-14.	2.3	92
120	A simple and sensitive fluorescence based biosensor for the determination of uric acid using H <sub>2</sub> O <sub>2</sub> -sensitive quantum dots/dual enzymes. Biosensors and Bioelectronics, 2015, 67, 129-133.	5.3	150
121	Chemical Processes and Reaction By-products Involved in the Biorefinery Concept of Biofuel Production. , 2015, , 471-489.		0
122	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
123	Fabrication and Characterization of Molecularly Imprinted Polymer for Hg(II) Ion. Asian Journal of Chemistry, 2014, 26, 5029-5032.	0.1	3
124	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
125	Aligned-gap multiple split ring resonator for dielectric sensing application. , 2014, , .		1
126	An Aligned-Gap and Centered-Gap Rectangular Multiple Split Ring Resonator for Dielectric Sensing Applications. Sensors, 2014, 14, 13134-13148.	2.1	75



#	ARTICLE	IF	CITATIONS
127	Label-Free Dengue Detection Utilizing PNA/DNA Hybridization Based on the Aggregation Process of Unmodified Gold Nanoparticles. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-5.	1.5	17
128	Polysulfone/zinc oxide nanoparticle mixed matrix membranes for CO <sub>2</sub> /CH <sub>4</sub> separation. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	25
129	Preparation and characterization of symmetric and asymmetric pure polysulfone membranes for CO <sub>2</sub> and CH <sub>4</sub> separation. <i>Polymer Engineering and Science</i> , 2014, 54, 1686-1694.	1.5	13
130	Doxorubicin-loaded magnetic gold nanoshells for a combination therapy of hyperthermia and drug delivery. <i>Journal of Colloid and Interface Science</i> , 2014, 434, 89-97.	5.0	44
131	Nanoparticle-enhanced electrochemical biosensor with DNA immobilization and hybridization of <i>Trichoderma harzianum</i> gene. <i>Sensing and Bio-Sensing Research</i> , 2014, 2, 16-22.	2.2	46
132	An Electrochemical Biosensor for the Determination of <i>Ganoderma boninense</i> Pathogen Based on a Novel Modified Gold Nanocomposite Film Electrode. <i>Analytical Letters</i> , 2014, 47, 819-832.	1.0	9
133	The utilization of SiNWs/AuNPs-modified indium tin oxide (ITO) in fabrication of electrochemical DNA sensor. <i>Materials Science and Engineering C</i> , 2014, 45, 270-276.	3.8	44
134	Surface ligand influenced free radical protection of superparamagnetic iron oxide nanoparticles (SPIONs) toward H9c2 cardiac cells. <i>Journal of Materials Science</i> , 2014, 49, 6290-6301.	1.7	14
135	Synthesis and Surface Modification of Biocompatible Water Soluble Core-Shell Quantum Dots. <i>Advanced Materials Research</i> , 2014, 879, 184-190.	0.3	4
136	A Novel DNA Nanosensor Based on CdSe/ZnS Quantum Dots and Synthesized Fe <sub>3</sub> O <sub>4</sub> Magnetic Nanoparticles. <i>Molecules</i> , 2014, 19, 4355-4368.	1.7	17
137	Fabrication of an Electrochemical Sensor Based on Gold Nanoparticles/Carbon Nanotubes as Nanocomposite Materials: Determination of Myricetin in Some Drinks. <i>PLoS ONE</i> , 2014, 9, e96686.	1.1	29
138	Detection and control of <i>Ganoderma boninense</i> : strategies and perspectives. <i>SpringerPlus</i> , 2013, 2, 555.	1.2	111
139	Centered-gap and aligned-gap multiple split ring resonator for bio-sensing application. , 2013, , .		3
140	Fabrication and evaluation of surface plasmon resonance optical sensor for heavy metal ions detection. , 2013, , .		1
141	Separation of CO <sub>2</sub> from CH <sub>4</sub> by pure PSF and PSF/PVP blend membranes: Effects of type of nonsolvent, solvent, and PVP concentration. <i>Journal of Applied Polymer Science</i> , 2013, 130, 1139-1147.	1.3	26
142	Synthesis and Characterization of Molecularly Imprinted Polymer Membrane for the Removal of 2,4-Dinitrophenol. <i>International Journal of Molecular Sciences</i> , 2013, 14, 3993-4004.	1.8	35
143	Preparation and Characterization of Molecularly Imprinted Polymer as SPE Sorbent for Melamine Isolation. <i>Polymers</i> , 2013, 5, 1215-1228.	2.0	75
144	Preparation and Characterization of Poly(ethyl hydrazide) Grafted Oil Palm Empty Fruit Bunch for Removal of Ni(II) Ion in Aqueous Environment. <i>Polymers</i> , 2013, 5, 1056-1067.	2.0	14

#	ARTICLE	IF	CITATIONS
145	The Development of Silicon Nanowire as Sensing Material and Its Applications. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-16.	1.5	57
146	Development of a Fluorescence Resonance Energy Transfer (FRET)-Based DNA Biosensor for Detection of Synthetic Oligonucleotide of <i>Ganoderma boninense</i> . <i>Biosensors</i> , 2013, 3, 419-428.	2.3	39
147	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. <i>Molecules</i> , 2013, 18, 8461-8472.	1.7	12
148	Benzyl and Methyl Fatty Hydroxamic Acids Based on Palm Kernel Oil as Chelating Agent for Liquid-Liquid Iron(III) Extraction. <i>International Journal of Molecular Sciences</i> , 2012, 13, 2148-2159.	1.8	8
149	A simple capacitive biosensor device for histamine measurement. <i>Sensor Review</i> , 2012, 32, 245-250.	1.0	4
150	Synthesis and Characterization of Hybrid Molecularly Imprinted Polymer (MIP) Membranes for Removal of Methylene Blue (MB). <i>Molecules</i> , 2012, 17, 1916-1928.	1.7	22
151	Nickel-cobalt oxide/activated carbon composite electrodes for electrochemical capacitors. <i>Current Applied Physics</i> , 2012, 12, 1421-1428.	1.1	30
152	Photocatalytic Degradation of p-Cresol by Zinc Oxide under UV Irradiation. <i>International Journal of Molecular Sciences</i> , 2012, 13, 302-315.	1.8	76
153	Response surface methodology analysis of the photocatalytic removal of Methylene Blue using bismuth vanadate prepared via polyol route. <i>Journal of Environmental Sciences</i> , 2012, 24, 1694-1701.	3.2	42
154	Surface plasmon resonance optical sensor for detection of Pb <sup>2+</sup> based on immobilized p-tert-butylcalix[4]arene-tetrakis in chitosan thin film as an active layer. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 287-293.	4.0	70
155	Photocatalytic degradation of 1,4-benzoquinone in aqueous ZnO dispersions. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 236-240.	0.6	39
156	Copper Extraction by Fatty Hydroxamic Acids Derivatives Synthesized Based on Palm Kernel Oil. <i>Journal of Oleo Science</i> , 2012, 61, 189-195.	0.6	6
157	Structural and electrochemical properties of manganese substituted nickel cobaltite for supercapacitor application. <i>Electrochimica Acta</i> , 2012, 67, 67-72.	2.6	52
158	Development of electrochemical DNA biosensor for <i>Trichoderma harzianum</i> based on ionic liquid/ZnO nanoparticles/chitosan/gold electrode. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 273-282.	1.2	22
159	Microfluidics-Based Lab-on-Chip Systems in DNA-Based Biosensing: An Overview. <i>Sensors</i> , 2011, 11, 5754-5768.	2.1	92
160	Enzymatic Synthesis of Fatty Hydroxamic Acid Derivatives Based on Palm Kernel Oil. <i>Molecules</i> , 2011, 16, 6634-6644.	1.7	16
161	Enzymatic Synthesis of Phenyl Fatty Hydroxamic Acids from Canola and Palm Oils. <i>Journal of Oleo Science</i> , 2011, 60, 281-286.	0.6	12
162	Electrochemical DNA biosensor for the detection of <i>Trichoderma harzianum</i> 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. <i>Mikrochimica Acta</i> , 2011, 172, 357-363.	2.5	24

#	ARTICLE	IF	CITATIONS
163	An Optical Test Strip for the Detection of Benzoic Acid in Food. <i>Sensors</i> , 2011, 11, 7302-7313.	2.1	12
164	Surface Plasmon Resonance Optical Sensor for Detection of Essential Heavy Metal Ions with Potential for Toxicity: Copper, Zinc and Manganese Ions. <i>Sensor Letters</i> , 2011, 9, 1704-1711.	0.4	29
165	DNA hybridization based on <i>Trichoderma harzianum</i> gene probe immobilization on self-assembled monolayers on a modified gold electrode. <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 198-205.	4.0	21
166	Electrochemical DNA biosensor for the detection of specific gene related to <i>Trichoderma harzianum</i> species. <i>Bioelectrochemistry</i> , 2010, 79, 31-36.	2.4	32
167	Electrochemical detection of DNA hybridization based on bismuth oxide nanoparticles/chitosan-modified electrodes with methylene blue as an electrochemical indicator. , 2010, , .		2
168	Optical test strip for trace Hg(II) based on doped sol-gel film. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 72, 32-35.	2.0	14
169	Synthesis and Evaluation of a Molecularly Imprinted Polymer for 2,4-Dinitrophenol. <i>International Journal of Molecular Sciences</i> , 2009, 10, 354-365.	1.8	59
170	Development of a flow-through optosensor for determination of Co(II). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 69, 413-418.	2.0	10
171	Electrochemical-assisted photodegradation of mixed dye and textile effluents using TiO <sub>2</sub> thin films. <i>Journal of Hazardous Materials</i> , 2007, 146, 73-80.	6.5	59
172	Optical fibre chemical sensor for trace vanadium(V) determination based on newly synthesized palm based fatty hydroxamic acid immobilized in polyvinyl chloride membrane. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 1398-1402.	2.0	13
173	A chemical sensor for trace V(V) ion determination based on fatty hydroxamic acid immobilized in polymethylmethacrylate. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 344-349.	4.0	26
174	Effect of supporting electrolytes in electrochemically-assisted photodegradation of an azo dye. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 172, 316-321.	2.0	31
175	Electrochemical-assisted photodegradation of dye on TiO <sub>2</sub> thin films: investigation on the effect of operational parameters. <i>Journal of Hazardous Materials</i> , 2005, 118, 197-203.	6.5	38
176	A flow-through optical fibre reflectance sensor for the detection of lead ion based on immobilised gallocynine. <i>Sensors and Actuators B: Chemical</i> , 2003, 94, 201-209.	4.0	27
177	A flow cell optosensor for lead based on immobilized gallocynin in chitosan membrane. <i>Talanta</i> , 2002, 58, 459-466.	2.9	24
178	One-pot synthesis of iron oxide nanoparticles: Effect of stirring rate and reaction time on its physical characteristics. <i>Inorganic and Nano-Metal Chemistry</i> , 0, , 1-7.	0.9	3