

Pei Meng Woi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/124282/publications.pdf>

Version: 2024-02-01

95
papers

3,037
citations

126858

33
h-index

189801

50
g-index

96
all docs

96
docs citations

96
times ranked

4508
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	New designs of paper based analytical devices (PADs) for completing replication analysis of a sample within a single run by employing smartphone. <i>Talanta</i> , 2022, 236, 122848.	2.9	7
3	Recent Advances in Electrochemical Water Splitting and Reduction of CO ₂ into Green Fuels on 2D Phosphorene-Based Catalyst. <i>Energy Technology</i> , 2021, 9, .	1.8	14
4	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
5	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
6	Electrochemical Characterization of Melamine Electropolymerized in Deep Eutectic Solvents for Selective Detection of Dopamine. <i>Electrocatalysis</i> , 2021, 12, 238-250.	1.5	12
7	Synthesis and structural characterization of centrosymmetric multinuclear nickel(II) complexes with neutral tetradentate N6-ligand. <i>Transition Metal Chemistry</i> , 2021, 46, 255-262.	0.7	2
8	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
9	Label Free Glucose Electrochemical Biosensor Based on Poly(3,4-ethylenedioxy thiophene):Polystyrene Sulfonate/Titanium Carbide/Graphene Quantum Dots. <i>Biosensors</i> , 2021, 11, 267.	2.3	25
10	Reduced Graphene Oxide/Copper Nanoparticle Composites as Electrochemical Sensor Materials for Nitrate Detection. <i>ACS Applied Nano Materials</i> , 2021, 4, 12737-12744.	2.4	21
11	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
12	Progress in Electrochemical Sensing of Heavy Metals Based on Amino Acids and Its Composites. <i>Critical Reviews in Analytical Chemistry</i> , 2021, , 1-18.	1.8	0
13	Current Innovations of Metal Hexacyanoferrates-Based Nanocomposites toward Electrochemical Sensing: Materials Selection and Synthesis Methods. <i>Critical Reviews in Analytical Chemistry</i> , 2020, 50, 393-404.	1.8	10
14	Surface Enhanced CdSe/ZnS QD/SiNP Electrochemical Immunosensor for the Detection of Mycobacterium Tuberculosis by Combination of CFP10-ESAT6 for Better Diagnostic Specificity. <i>Materials</i> , 2020, 13, 149.	1.3	24
15	A Sensitive Impedimetric Aptasensor Based on Carbon Nanodots Modified Electrode for Detection of 17 β -Estradiol. <i>Nanomaterials</i> , 2020, 10, 1346.	1.9	23
16	DNA Electrochemical Biosensor Based on Iron Oxide/Nanocellulose Crystalline Composite Modified Screen-Printed Carbon Electrode for Detection of Mycobacterium tuberculosis. <i>Molecules</i> , 2020, 25, 3373.	1.7	8
17	Electrochemical Detection of Arsenite Using a Silica Nanoparticles-Modified Screen-Printed Carbon Electrode. <i>Materials</i> , 2020, 13, 3168.	1.3	24
18	Fluorescence-based immunoassay for the detection of Xanthomonas oryzae pv. oryzae in rice leaf. <i>Analytical Biochemistry</i> , 2020, 610, 113876.	1.1	5

#	ARTICLE	IF	CITATIONS
19	Synthesis of polyaniline microtubes/Pt reduced N-graphene oxide in the presence of L-glutamine for the detection of Hg ²⁺ . Journal of Applied Electrochemistry, 2020, 50, 1269-1280.	1.5	1
20	Investigating the effectiveness of g-C ₃ N ₄ on Pt /g-C ₃ N ₄ / polythiophene nanocomposites performance as an electrochemical sensor for Hg ²⁺ detection. Journal of Environmental Chemical Engineering, 2020, 8, 104204.	3.3	28
21	Electrochemical Behavior and Detection of Diclofenac at a Microporous Si ₃ N ₄ Membrane Modified Water-1,6-dichlorohexane Interface System. Chemosensors, 2020, 8, 11.	1.8	7
22	An electrochemical sensor based on Pt/g-C ₃ N ₄ /polyaniline nanocomposite for detection of Hg ²⁺ . Advanced Powder Technology, 2020, 31, 3372-3380.	2.0	28
23	Lateral Flow Immunoassay for Naked Eye Detection of <i>Mycobacterium tuberculosis</i> . Journal of Sensors, 2020, 2020, 1-10.	0.6	24
24	Cauliflower-like poly(3,4-ethylenedioxythiophene)/nanocrystalline cellulose/manganese oxide ternary nanocomposite for supercapacitor. Journal of Applied Polymer Science, 2020, 137, 49162.	1.3	12
25	Selective and simultaneous detection of cadmium, lead and copper by tapioca-derived carbon dot-modified electrode. Environmental Science and Pollution Research, 2020, 27, 13315-13324.	2.7	33
26	Ternary molybdenum disulfide nanosheets-cobalt oxide nanocubes-platinum composite as efficient electrocatalyst for hydrogen evolution reaction. Electrochimica Acta, 2020, 345, 136255.	2.6	6
27	Reduced Graphene Oxide/TEMPO-Nanocellulose Nanohybrid-Based Electrochemical Biosensor for the Determination of <i>Mycobacterium tuberculosis</i> . Journal of Sensors, 2020, 2020, 1-11.	0.6	35
28	Nanocrystalline cellulose decorated quantum dots based tyrosinase biosensor for phenol determination. Materials Science and Engineering C, 2019, 99, 37-46.	3.8	78
29	Voltammetric sensing of formaldehyde by using a nanocomposite prepared by reductive deposition of palladium and platinum on polypyrrole-coated nitrogen-doped reduced graphene oxide. Mikrochimica Acta, 2019, 186, 369.	2.5	11
30	The selective electrochemical detection of dopamine in the presence of ascorbic acid and uric acid using electro-polymerised- β -cyclodextrin incorporated f-MWCNTs/polyaniline modified glassy carbon electrode. Microchemical Journal, 2019, 148, 322-330.	2.3	42
31	Self-assembled Prussian blue-polypyrrole nanocomposites for energy storage application. Journal of Applied Electrochemistry, 2019, 49, 631-638.	1.5	5
32	Voltammetric determination of hydroquinone, catechol, and resorcinol by using a glassy carbon electrode modified with electrochemically reduced graphene oxide-poly(Eriochrome black T) and gold nanoparticles. Mikrochimica Acta, 2019, 186, 261.	2.5	35
33	Direct self-assembly of CuHCF-PPy nanocomposites on rGO for amperometric nicotine sensing at high concentration range. Journal of Electroanalytical Chemistry, 2019, 837, 67-75.	1.9	9
34	The optimization of effective parameters for electrodeposition of reduced graphene oxide through Taguchi method to evaluate the charge transfer. Measurement: Journal of the International Measurement Confederation, 2019, 137, 683-690.	2.5	7
35	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
36	Molybdenum disulfide nanosheet decorated with silver nanoparticles for selective detection of dopamine. Colloids and Surfaces B: Biointerfaces, 2019, 176, 80-86.	2.5	38

#	ARTICLE	IF	CITATIONS
37	Label-free optical spectroscopy for characterizing binding properties of highly sensitive nanocrystalline cellulose-graphene oxide based nanocomposite towards nickel ion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 212, 25-31.	2.0	41
38	Synthesis and characterization of $\text{Fe}_2\text{O}_3/\text{polyaniline}$ nanotube composite as electrochemical sensor for uric acid detection. <i>Advanced Powder Technology</i> , 2019, 30, 384-392.	2.0	28
39	Electrodeposited reduced graphene oxide as a highly efficient and low-cost electrocatalyst for vanadium redox flow batteries. <i>Electrochimica Acta</i> , 2019, 297, 31-39.	2.6	48
40	L-Glutamine-assisted synthesis of ZnO oatmeal-like/silver composites as an electrochemical sensor for Pb^{2+} detection. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 517-526.	1.9	9
41	Electrochemical performance of poly(3, 4-ethylenedioxythiophene)/nanocrystalline cellulose (PEDOT/NCC) film for supercapacitor. <i>Carbohydrate Polymers</i> , 2019, 203, 128-138.	5.1	51
42	A screen printed carbon electrode modified with carbon nanotubes and gold nanoparticles as a sensitive electrochemical sensor for determination of thiamphenicol residue in milk. <i>RSC Advances</i> , 2018, 8, 2714-2722.	1.7	54
43	Improved visible-light photocatalytic activity of TiO_2 co-doped with copper and iodine. <i>Applied Surface Science</i> , 2018, 439, 999-1009.	3.1	44
44	Structural and Optical Studies of Cadmium Sulfide Quantum Dot-Graphene Oxide-Chitosan Nanocomposite Thin Film as a Novel SPR Spectroscopy Active Layer. <i>Journal of Nanomaterials</i> , 2018, 1-8.	1.5	22
45	Immuno Nanosensor for the Ultrasensitive Naked Eye Detection of Tuberculosis. <i>Sensors</i> , 2018, 18, 1932.	2.1	24
46	Enhanced visible light photocatalytic activity of copper-doped titanium oxide/zinc oxide heterojunction for methyl orange degradation. <i>Applied Surface Science</i> , 2017, 414, 251-261.	3.1	64
47	Fabrication of reduced graphene oxide-magnetic nanocomposite ($\text{rGO-Fe}_3\text{O}_4$) 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
48	DNA-binding studies of valrubicin as a chemotherapy drug using spectroscopy and electrochemical techniques. <i>Journal of Pharmaceutical Analysis</i> , 2017, 7, 176-180.	2.4	52
49	Facile one-step electrochemical deposition of copper nanoparticles and reduced graphene oxide as nonenzymatic hydrogen peroxide sensor. <i>Applied Surface Science</i> , 2017, 413, 56-65.	3.1	57
50	Characterisation of ionic liquids nanoemulsion loaded with piroxicam for drug delivery system. <i>Journal of Molecular Liquids</i> , 2017, 234, 30-39.	2.3	40
51	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
52	Facile self-assembled Prussian blue-polypyrrole nanocomposites on glassy carbon: Comparative synthesis methods and its electrocatalytic reduction towards H_2O_2 . <i>Electrochimica Acta</i> , 2017, 246, 841-852.	2.6	16
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	Development of a PrGO-Modified Electrode for Uric Acid Determination in the Presence of Ascorbic Acid by an Electrochemical Technique. <i>Sensors</i> , 2017, 17, 1539.	2.1	30
56	Synthesis and Characterization of Polyaniline/Graphene Composite Nanofiber and Its Application as an Electrochemical DNA Biosensor for the Detection of Mycobacterium tuberculosis. <i>Sensors</i> , 2017, 17, 2789.	2.1	50
57	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
58	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
59	Patterned Array of Poly(ethylene glycol) Silane Monolayer for Label-Free Detection of Dengue. <i>Sensors</i> , 2016, 16, 1365.	2.1	2
60	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
61	Sensitive detection of multiple pathogens using a single DNA probe. <i>Biosensors and Bioelectronics</i> , 2016, 86, 398-405.	5.3	27
62	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
63	A lateral flow immunosensor for direct, sensitive, and highly selective detection of hemoglobin A1c in whole blood. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1015-1016, 157-165.	1.2	13
64	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
65	Electrochemical sensing of glucose by reduced graphene oxide-zinc ferros spinels. <i>Applied Surface Science</i> , 2016, 379, 156-162.	3.1	21
66	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
67	Electrocatalytic Water Oxidation by a Tetranuclear Copper Complex. <i>ChemPlusChem</i> , 2016, 81, 1123-1128.	1.3	40
68	One-Step Electrodeposition of Polypyrrole-Copper Nano Particles for H ₂ O ₂ Detection. <i>Journal of the Electrochemical Society</i> , 2016, 163, B8-B14.	1.3	22
69	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
70	Measurements of thermodynamic parameters for complexation between a tetra-aza macrocycle ligand and some metal cations based on conductometric method. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 77, 362-372.	2.5	2
71	Synthesis and characterization of Co ₃ O ₄ ultra-nanosheets and Co ₃ O ₄ ultra-nanosheet-Ni(OH) ₂ as non-enzymatic electrochemical sensors for glucose detection. <i>Materials Science and Engineering C</i> , 2016, 59, 500-508.	3.8	78
72	Enhance protection of electronic appliances through multivariate modelling and optimization of ceramic core materials in varistor devices. <i>RSC Advances</i> , 2015, 5, 21384-21395.	1.7	10

#	ARTICLE	IF	CITATIONS
73	A sensitive electrochemical nitrate sensor based on polypyrrole coated palladium nanoclusters. <i>Journal of Electroanalytical Chemistry</i> , 2015, 751, 30-36.	1.9	44
74	A novel non-enzymatic H ₂ O ₂ sensor based on polypyrrole nanofibers@silver nanoparticles decorated reduced graphene oxide nano composites. <i>Applied Surface Science</i> , 2015, 332, 648-656.	3.1	106
75	A hydrothermally prepared reduced graphene oxide-supported copper ferrite hybrid for glucose sensing. <i>Ceramics International</i> , 2015, 41, 12710-12716.	2.3	36
76	Core-shell@CuFe ₂ O ₄ /PPy nanocomposite enzyme-free sensor for detection of glucose. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 1223-1233.	1.2	28
77	Synthesis and characterization of Fe ₃ O ₄ rose like and spherical/reduced graphene oxide nanosheet composites for lead (II) sensor. <i>Electrochimica Acta</i> , 2015, 169, 126-133.	2.6	32
78	Hydrogen peroxide sensor: Uniformly decorated silver nanoparticles on polypyrrole for wide detection range. <i>Applied Surface Science</i> , 2015, 357, 1565-1572.	3.1	52
79	Electrodeposition of copper oxide/polypyrrole/reduced graphene oxide as a nonenzymatic glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 100-108.	4.0	118
80	A simple and sensitive fluorescence based biosensor for the determination of uric acid using H ₂ O ₂ -sensitive quantum dots/dual enzymes. <i>Biosensors and Bioelectronics</i> , 2015, 67, 129-133.	5.3	150
81	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
82	Computational evaluation of unsaturated carbonitriles as neutral receptor model for beryllium(II) recognition. <i>Journal of Molecular Modeling</i> , 2014, 20, 2533.	0.8	0
83	Synthesis, characterization, and sensing applications of polypyrrole coated Fe ₃ O ₄ nanostrip bundles. <i>Ceramics International</i> , 2014, 40, 9265-9272.	2.3	12
84	Polypyrrole@ZnFe ₂ O ₄ magnetic nano-composite with core-shell structure for glucose sensing. <i>Applied Surface Science</i> , 2014, 317, 622-629.	3.1	57
85	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
86	Rational design of carbonitrile-carboxaldehyde cation receptor models: probing the nature of the heteroatom-metal interaction. <i>Journal of Molecular Modeling</i> , 2014, 20, 2428.	0.8	2
87	Does cation break the cyano bond? A critical evaluation of nitrile-cation interaction. <i>Journal of Molecular Modeling</i> , 2014, 20, 2219.	0.8	2
88	Synthesis of Polypyrrole Coated Silver Nanostrip Bundles and Their Application for Detection of Hydrogen Peroxide. <i>Journal of the Electrochemical Society</i> , 2014, 161, H487-H492.	1.3	18
89	Facile preparation of MnO ₂ nanotubes/reduced graphene oxide nanocomposite for electrochemical sensing of hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 526-534.	4.0	93
90	Characterization of structural stability of palm oil esters-based nanocosmeceuticals loaded with tocotrienol. <i>Journal of Nanobiotechnology</i> , 2013, 11, 27.	4.2	14

#	ARTICLE	IF	CITATIONS
91	G3 Assisted Rational Design of Chemical Sensor Array Using Carbonitrile Neutral Receptors. <i>Sensors</i> , 2013, 13, 13835-13860.	2.1	4
92	Protonation of [FeFe]-hydrogenase sub-site analogues: revealing mechanism using FTIR stopped-flow techniques. <i>Faraday Discussions</i> , 2011, 148, 359-371.	1.6	33
93	Reflux method as a novel route for the synthesis of MoVTeNbOx catalysts for selective oxidation of propane to acrylic acid. <i>Journal of Molecular Catalysis A</i> , 2011, 342-343, 50-57.	4.8	17
94	Artificial hydrogenases: assembly of an H-cluster analogue within a functionalised poly(pyrrole) matrix. <i>Chemical Communications</i> , 2010, 46, 8189.	2.2	26
95	Water Splitting by Visible Light: A Nanophotocathode for Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1574-1577.	7.2	189