

# Rabeay Y A Hassan

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,444  
citations

331259

21  
h-index

344852

36  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1136  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of nanostructured copper and lanthanum co-doped zirconia for voltammetric sensing of tumor biomarkers. <i>Electrochemical Science Advances</i> , 2022, 2, e2100109.	1.2	3
2	Fabrication of electrochemical immunosensor based on GCN- $\dot{\text{I}}^2$ -CD/Au nanocomposite for the monitoring of vitamin D deficiency. <i>Bioelectrochemistry</i> , 2022, 143, 107935.	2.4	30
3	Waste to energy conversion utilizing nanostructured Algal-based microbial fuel cells. <i>Electrochemical Science Advances</i> , 2022, 2, e2100071.	1.2	3
4	Voltammetric determination of <i>Salmonella typhimurium</i> in minced beef meat using a chip-based imprinted sensor. <i>RSC Advances</i> , 2022, 12, 3445-3453.	1.7	12
5	Bio-electrochemical frameworks governing microbial fuel cell performance: technical bottlenecks and proposed solutions. <i>RSC Advances</i> , 2022, 12, 5749-5764.	1.7	25
6	Synthesis, Characterization, and Electrochemical Sensing Applications of Bimetallic Oxide/Carbon Nanomaterials Hybrids. <i>Journal of the Electrochemical Society</i> , 2022, 169, 047518.	1.3	20
7	Disposable impedimetric nano-immunochips for the early and rapid diagnosis of Vitamin-D deficiency. <i>Biosensors and Bioelectronics: X</i> , 2022, 10, 100124.	0.9	6
8	Boosting the cathode function toward the oxygen reduction reaction in microbial fuel cell using nanostructured surface modification. <i>Electrochemical Science Advances</i> , 2021, 1, e2000002.	1.2	5
9	Manganese dioxide (MnO <sub>2</sub> )/Fullerene-C60-Modified Electrodes for the Voltammetric Determination of Rifaximin. <i>Journal of Analysis and Testing</i> , 2021, 5, 341-349.	2.5	11
10	New sensing platform of poly(ester-urethane)urea doped with gold nanoparticles for rapid detection of mercury ions in fish tissue. <i>RSC Advances</i> , 2021, 11, 31845-31854.	1.7	19
11	Formation of electroactive biofilms derived by nanostructured anodes surfaces. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 759-768.	1.7	24
12	Microbial Electrochemical Systems: Principles, Construction and Biosensing Applications. <i>Sensors</i> , 2021, 21, 1279.	2.1	29
13	Microbial Sensing and Removal of Heavy Metals: Bioelectrochemical Detection and Removal of Chromium(VI) and Cadmium(II). <i>Molecules</i> , 2021, 26, 2549.	1.7	21
14	High selectivity detection of FMDV- SAT-2 using a newly-developed electrochemical nanosensors. <i>Biosensors and Bioelectronics</i> , 2021, 191, 113435.	5.3	19
15	Biological Insights of Fluoroaryl-2,2-Bichalcophene Compounds on Multi-Drug Resistant <i>Staphylococcus aureus</i> . <i>Molecules</i> , 2021, 26, 139.	1.7	3
16	Electrochemical Impedance Spectroscopy (EIS): Principles, Construction, and Biosensing Applications. <i>Sensors</i> , 2021, 21, 6578.	2.1	360
17	A better understanding of the polymeric irradiation using physico-electrochemical characteristics. <i>Radiation Effects and Defects in Solids</i> , 2021, 176, 1021-1037.	0.4	1
18	SARS-CoV-2-Impedimetric Biosensor: Virus-Imprinted Chips for Early and Rapid Diagnosis. <i>ACS Sensors</i> , 2021, 6, 4098-4107.	4.0	48

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19	Biosensing of algal photosynthetic productivity using nanostructured bioelectrochemical systems. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 1028-1037.	1.6	11
20	Point-of-Care Diagnostics of COVID-19: From Current Work to Future Perspectives. <i>Sensors</i> , 2020, 20, 4289.	2.1	67
21	Inhibition of Respiration of <i>Candida albicans</i> by Small Molecules Increases Phagocytosis Efficacy by Macrophages. <i>MSphere</i> , 2020, 5, .	1.3	6
22	Polyurethane-doped platinum nanoparticles modified carbon paste electrode for the sensitive and selective voltammetric determination of free copper ions in biological samples. <i>Microchemical Journal</i> , 2020, 155, 104765.	2.3	24
23	Biosynthesis and Bio-sensing Applications of Silver and Gold Metal Nanoparticles. <i>Egyptian Journal of Chemistry</i> , 2020, .	0.1	0
24	Designing and fabrication of new VIP biosensor for the rapid and selective detection of foot-and-mouth disease virus (FMDV). <i>Biosensors and Bioelectronics</i> , 2019, 141, 111467.	5.3	30
25	Direct Determination of Bacterial Cell Viability Using Carbon Nanotubes Modified Screen-printed Electrodes. <i>Electroanalysis</i> , 2019, 31, 1112-1117.	1.5	21
26	Online-monitoring of biofilm formation using nanostructured electrode surfaces. <i>Materials Science and Engineering C</i> , 2019, 100, 178-185.	3.8	16
27	Effect of vitamins and cell constructions on the activity of microbial fuel cell battery. <i>Journal of Genetic Engineering and Biotechnology</i> , 2018, 16, 369-373.	1.5	7
28	Electrochemical detection of dihydronicotinamide adenine dinucleotide using Al <sub>2</sub> O <sub>3</sub> -GO nanocomposite modified electrode. <i>Arabian Journal of Chemistry</i> , 2018, 11, 942-949.	2.3	17
29	A new disposable biosensor platform: carbon nanotube/poly(o-toluidine) nanocomposite for direct biosensing of urea. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 1817-1823.	1.2	30
30	Exploring the Bioelectrochemical Characteristics of Activated Sludge Using Cyclic Voltammetry. <i>Applied Biochemistry and Biotechnology</i> , 2018, 184, 92-101.	1.4	16
31	Assisting the biofilm formation of exoelectrogens using nanostructured microbial fuel cells. <i>Journal of Electroanalytical Chemistry</i> , 2018, 824, 128-135.	1.9	27
32	Carbon nanotube-based electrochemical biosensors for determination of <i>Candida albicans</i> 's quorum sensing molecule. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 565-570.	4.0	18
33	Monitoring of microbial cell viability using nanostructured electrodes modified with Graphene/Alumina nanocomposite. <i>Biosensors and Bioelectronics</i> , 2017, 91, 857-862.	5.3	31
34	Sensing of bacterial cell viability using nanostructured bioelectrochemical system: rGO-hyperbranched chitosan nanocomposite as a novel microbial sensor platform. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 191-200.	4.0	30
35	Bioelectrochemical Systems for Measuring Microbial Cellular Functions. <i>Electroanalysis</i> , 2017, 29, 1498-1505.	1.5	24
36	A Disposable Carbon Nanotubes-screen Printed Electrode (CNTs-SPE) for Determination of the Antifungal Agent Posaconazole in Biological Samples. <i>Electroanalysis</i> , 2017, 29, 843-849.	1.5	19

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37	Multifunctional Nanotechnology-Enabled Sensors for Rapid Capture and Detection of Pathogens. <i>Sensors</i> , 2017, 17, 2121.	2.1	62
38	Regulation of <i>Candida albicans</i> Interaction with Macrophages through the Activation of HOG Pathway by Genistein. <i>Molecules</i> , 2016, 21, 162.	1.7	9
39	Core-shell hyperbranched chitosan nanostructure as a novel electrode modifier. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 543-546.	3.6	10
40	Manganese dioxide-core-shell hyperbranched chitosan (MnO <sub>2</sub> -HBCs) nano-structured screen printed electrode for enzymatic glucose biosensors. <i>RSC Advances</i> , 2016, 6, 109185-109191.	1.7	24
41	Mediated bioelectrochemical system for biosensing the cell viability of <i>Staphylococcus aureus</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 579-587.	1.9	27
42	Synthesis, characterization and electrochemical-sensor applications of zinc oxide/graphene oxide nanocomposite. <i>Journal of Nanostructure in Chemistry</i> , 2016, 6, 137-144.	5.3	97
43	Voltammetric Determination of Mercury in Biological Samples Using Crown Ether/Multiwalled Carbon Nanotube-Based Sensor. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	0
44	Development of Bioelectrochemical System for Monitoring the Biodegradation Performance of Activated Sludge. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 3519-3530.	1.4	19
45	Voltammetric determination of mercury in biological samples using crown ether/multiwalled carbon nanotube-based sensor. <i>Journal of Electroanalytical Chemistry</i> , 2015, 759, 101-106.	1.9	29
46	Nanomaterials-based microbial sensor for direct electrochemical detection of <i>Streptomyces</i> Spp.. <i>Sensors and Actuators B: Chemical</i> , 2014, 203, 848-853.	4.0	29
47	Direct electrochemical determination of <i>Candida albicans</i> activity. <i>Biosensors and Bioelectronics</i> , 2013, 49, 192-198.	5.3	35
48	A viability assay for <i>Candida albicans</i> based on the electron transfer mediator 2,6-dichlorophenolindophenol. <i>Analytical Biochemistry</i> , 2011, 419, 26-32.	1.1	30
49	Antifungal compounds redirect metabolic pathways in yeasts: metabolites as indicators of modes of action. <i>Journal of Applied Microbiology</i> , 2010, 108, 462-471.	1.4	17
50	Sensing of oxygen in microtiter plates: a novel tool for screening drugs against pathogenic yeasts. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1731-1737.	1.9	23