

# Tesfaye T Waryo

## List of Publications by Year in descending order

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40  
papers

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citations

471509

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41  
docs citations

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times ranked

1281  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Aptasensor for Endocrine Disrupting 17 $\beta$ -Estradiol Based on a Poly(3,4-ethylenedioxythiophene)-Gold Nanocomposite Platform. <i>Sensors</i> , 2010, 10, 9872-9890.	3.8	128
2	Electrochemical Immunosensor Based on Polythionine/Gold Nanoparticles for the Determination of Aflatoxin B1. <i>Sensors</i> , 2008, 8, 8262-8274.	3.8	106
3	Determination of Anthracene on Ag-Au Alloy Nanoparticles/Overoxidized-Polypyrrole Composite Modified Glassy Carbon Electrodes. <i>Sensors</i> , 2010, 10, 9449-9465.	3.8	62
4	An Electrochemical DNA Biosensor Developed on a Nanocomposite Platform of Gold and Poly(propyleneimine) Dendrimer. <i>Sensors</i> , 2008, 8, 6791-6809.	3.8	47
5	Microsomal cytochrome P450-3A4 (CYP3A4) nanobiosensor for the determination of 2,4-dichlorophenol—An endocrine disruptor compound. <i>Electrochimica Acta</i> , 2009, 54, 1925-1931.	5.2	39
6	Alpha-Glucosidase and Alpha-Amylase Inhibitory Activities of Novel Abietane Diterpenes from <i>Salvia africana-lutea</i> . <i>Antioxidants</i> , 2019, 8, 421.	5.1	39
7	Amperometric nanobiosensor for quantitative determination of glyphosate and glufosinate residues in corn samples. <i>Pure and Applied Chemistry</i> , 2009, 81, 123-139.	1.9	37
8	Application on Gold Nanoparticles-Dotted 4-Nitrophenylazo Graphene in a Label-Free Impedimetric Deoxynivalenol Immunosensor. <i>Sensors</i> , 2015, 15, 3854-3871.	3.8	37
9	Electrochemical nitrite nanosensor developed with amine- and sulphate-functionalised polystyrene latex beads self-assembled on polyaniline. <i>Electrochimica Acta</i> , 2010, 55, 4274-4280.	5.2	32
10	Ferrocenium hexafluorophosphate-induced nanofibrillarity of polyaniline—polyvinyl sulfonate electropolymer and application in an amperometric enzyme biosensor. <i>Electrochimica Acta</i> , 2010, 55, 4267-4273.	5.2	32
11	Electrochemical Nanobiosensor for Glyphosate Herbicide and Its Metabolite. <i>Electroanalysis</i> , 2009, 21, 671-674.	2.9	25
12	Novel therapeutic biosensor for indinavir—A protease inhibitor antiretroviral drug. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 49, 498-501.	2.8	25
13	Electrochemical Ochratoxin A Immunosensor System Developed on Sulfonated Polyaniline. <i>Electroanalysis</i> , 2011, 23, 122-128.	2.9	24
14	Chemically amplified cytochrome P450-2E1 drug metabolism nanobiosensor for rifampicin anti-tuberculosis drug. <i>Electrochimica Acta</i> , 2014, 128, 149-155.	5.2	24
15	Aptameric Recognition-Modulated Electroactivity of Poly(4-Styrenesulfonic Acid)-Doped Polyaniline Films for Single-Shot Detection of Tetrodotoxin. <i>Sensors</i> , 2015, 15, 22547-22560.	3.8	24
16	Label Free Poly(2,5-dimethoxyaniline)—Multi-Walled Carbon Nanotubes Impedimetric Immunosensor for Fumonisin B1 Detection. <i>Materials</i> , 2016, 9, 273.	2.9	19
17	Graphenated tantalum(IV) oxide and poly(4-styrene sulphonic acid)-doped polyaniline nanocomposite as cathode material in an electrochemical capacitor. <i>Electrochimica Acta</i> , 2014, 128, 226-237.	5.2	18
18	Constitution of novel polyamic acid/polypyrrole composite films by in-situ electropolymerization. <i>Electrochimica Acta</i> , 2014, 128, 439-447.	5.2	16

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19	Electrochemical Polymerization. <i>Polymers and Polymeric Composites</i> , 2019, , 105-131.	0.6	15
20	Electrochemical Interrogation of G3-Poly(propylene thiophenimine) Dendritic Star Polymer in Phenanthrene Sensing. <i>Sensors</i> , 2015, 15, 22343-22363.	3.8	13
21	Manganese Peroxidase-Based Electro-Oxidation of Bisphenol A at Hydrogellitic Polyaniline-Titania Nanocomposite-Modified Glassy Carbon Electrode. <i>Electrocatalysis</i> , 2019, 10, 323-331.	3.0	12
22	AC voltammetric transductions and sensor application of a novel dendritic poly(propylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td 227, 320-327.	7.8	11
23	Highly sensitive gold-overoxidized polypyrrole nanocomposite immunosensor for antitransglutaminase antibody. <i>Journal of Bioactive and Compatible Polymers</i> , 2013, 28, 167-177.	2.1	10
24	Modulation of the matrix effect of nafion on tris(bipyridine) ruthenium(II) electrochemical probes by functionalisation with 4-nitrophenylazo graphene-gold nanocomposite. <i>Electrochimica Acta</i> , 2014, 128, 128-137.	5.2	10
25	Overoxidized Polypyrrole Incorporated with Gold Nanoparticles as Platform for Impedimetric Anti-Transglutaminase Immunosensor. <i>Analytical Letters</i> , 2011, 44, 1956-1966.	1.8	9
26	Impedimetry and microscopy of electrosynthetic poly(propylene imine)-co-polypyrrole conducting dendrimeric star copolymers. <i>Electrochimica Acta</i> , 2014, 128, 448-457.	5.2	9
27	Electrochemical Screening and Evaluation of Lamiaceae Plant Species from South Africa with Potential Tyrosinase Activity. <i>Sensors</i> , 2019, 19, 1035.	3.8	7
28	Dendritic copolymer electrode for second harmonic alternating current voltammetric signalling of pyrene in oil-polluted wastewater. <i>Talanta</i> , 2019, 196, 204-210.	5.5	7
29	A Novel Polyaniline Nanocomposite with Doping Effects of Poly(Methyl Methacrylate) and TiO <sub>2</sub> Nanoparticles. <i>Journal of Nano Research</i> , 0, 44, 281-292.	0.8	6
30	Electropolymerization and spectroelectrochemical properties of poly(4,7-dithien-2-yl-2,1,3-benzothiadiazole) films in three 1-butyl-3-methylimidazolium ionic liquids. <i>Materials Chemistry and Physics</i> , 2016, 171, 57-62.	4.0	6
31	Electrochemical determination of phenothrin in fruit juices at graphene oxide-polypyrrole modified glassy carbon electrode. <i>Sensing and Bio-Sensing Research</i> , 2018, 21, 27-34.	4.2	6
32	Electrochemical Evaluation of a Novel Boron Doped Diamond (BDD) Material for Application as Potential Electrochemical Capacitor. <i>Analytical Letters</i> , 2011, 44, 2005-2018.	1.8	5
33	Amplification of the discharge current density of lithium-ion batteries with spinel phase Li(PtAu) <sub>0.02</sub> Mn <sub>1.98</sub> O <sub>4</sub> nano-materials. <i>Electrochimica Acta</i> , 2014, 128, 178-183.	5.2	5
34	Phase Selective Alternating Current Voltammetric Signalling Protocol: Application in Dendritic Co $\epsilon$ polymer Sensor for Anthracene. <i>Electroanalysis</i> , 2017, 29, 1887-1893.	2.9	5
35	Hydroxy-Iron/ $\beta$ -cyclodextrin-Film Amperometric Sensor for the Endocrine Disruptor Substance Bisphenol-A in an Aqueous Medium with Reduced Fouling Effects. <i>Analytical Letters</i> , 2011, 44, 2047-2060.	1.8	4
36	Optoelectronics of Stochiometrically Controlled Palladium Telluride Quantum Dots. <i>Journal of Nano Research</i> , 0, 40, 29-45.	0.8	4

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37	Bimetallic Nanocomposites of Palladium (100) and Ruthenium for Electrooxidation of Ammonia. Journal of Nano Research, 2016, 44, 100-113.	0.8	3
38	Electrochemical Polymerization. Polymers and Polymeric Composites, 2019, , 1-28.	0.6	3
39	Amperometric Hydrogen Peroxide Sensors with Multivalent Metal Oxide-Modified Electrodes for Biomedical Analysis. IFMBE Proceedings, 2009, , 829-833.	0.3	1
40	Electrode Material Properties and Modelling of 1-Methyl-3- octylimidazolium bis(trifluoromethylsulfonyl)imide Ionic Liquid/ Paraffin Carbon Pastes. International Journal of Electrochemical Science, 2016, , 4410-4426.	1.3	0