Shimeles Addisu Kitte

List of Publications by Year
in descending order

40 papers	1,289 citations	361045 20 h-index	360668 35 g-index
40 all docs	40 docs citations	40 times ranked	1666 citing authors

#	Article	IF	Citations
1	An impedimetric aptamer-based sensor for sensitive and selective determination of cardiac troponin I. Journal of the Iranian Chemical Society, 2022, 19, 505-511.	1.2	1
2	Enzyme-like Fe-N5 single atom catalyst for simultaneous electrochemical detection of dopamine and uric acid. Journal of Electroanalytical Chemistry, 2022, 904, 115956.	1.9	17
3	Surfaceâ€Bondingâ€Enhanced Selfâ€Coâ€Reactant Electrogenerated Chemiluminescence for Sensitive and Selective Detection of Thioglycolic Acid in Cosmetics. Chemistry - A European Journal, 2022, 28, .	1.7	2
4	A new anodic electrochemiluminescence of tris(2,2â€²- bipyridine)ruthenium(II) with 1-ethyl-3-(3-dimethylaminopropyl)carbodiimide as a coreactant for determination of hydrogen peroxide. Microchemical Journal, 2022, 177, 107256.	2.3	5
5	Plasmon-Enhanced Nitrogen Vacancy-Rich Carbon Nitride Electrochemiluminescence Aptasensor for Highly Sensitive Detection of miRNA. Analytical Chemistry, 2022, 94, 1406-1414.	3.2	23
6	Gold nanoparticle-based signal amplified electrochemiluminescence for biosensing applications. Talanta, 2022, 248, 123611.	2.9	18
7	Plasmon-enhanced quantum dots electrochemiluminescence aptasensor for selective and sensitive detection of cardiac troponin I. Talanta, 2021, 221, 121674.	2.9	34
8	Enzyme-free signal amplified Au nanoparticle fluorescence detection of thrombin via target-triggered catalytic hairpin assembly. Microchemical Journal, 2021, 160, 105649.	2.3	12
9	Electrochemiluminescence of Ru(bpy)₃²⁺/thioacetamide and its application for the sensitive determination of hepatotoxic thioacetamide. Analyst, The, 2021, 146, 5198-5203.	1.7	5
10	Tris(2,2â€²-bipyridine)ruthenium(II)/thiosemicarbazide electrochemiluminescence for the detection of thiosemicarbazide and mercury (II). Electrochimica Acta, 2021, 380, 138171.	2.6	9
11	Two-Dimensional-Plasmon-Boosted Iron Single-Atom Electrochemiluminescence for the Ultrasensitive Detection of Dopamine, Hemin, and Mercury. Analytical Chemistry, 2021, 93, 9949-9957.	3.2	42
12	Light Scattering and Luminophore Enrichment-Enhanced Electrochemiluminescence by a 2D Porous Ru@SiO₂ Nanoparticle Membrane and Its Application in Ultrasensitive Detection of Prostate-Specific Antigen. Analytical Chemistry, 2021, 93, 11641-11647.	3.2	25
13	Ultrasound-activated Au/ZnO-based Trojan nanogenerators for combined targeted electro-stimulation and enhanced catalytic therapy of tumor. Nano Energy, 2021, 87, 106208.	8.2	41
14	Plasmon-Boosted Cu-Doped TiO₂ Oxygen Vacancy-Rich Luminol Electrochemiluminescence for Highly Sensitive Detection of Alkaline Phosphatase. Analytical Chemistry, 2021, 93, 15183-15191.	3.2	25
15	High-efficiency cathodic electrochemiluminescence of the tris(2,2â€²-bipyridine)ruthenium(<scp>ii</scp>)/N-hydroxy compound system and its use for sensitive â€œturn-onâ€•detection of mercury(<scp>ii</scp>) and methyl blue. Chemical Communications, 2020, 56, 1827-1830.	2.2	12
16	Highly sensitive and selective non-enzymatic glucose detection based on indigo carmine/hemin/H₂O₂ chemiluminescence. Analyst, The, 2020, 145, 1041-1046.	1.7	22
17	Acridine orange as a coreactant for efficient electrogenerated chemiluminescence of tris(2,2â€²-bipyridine)ruthenium(ii) and its use in selective and sensitive detection of thiourea. Chemical Communications, 2020, 56, 5154-5157.	2.2	10
18	Artesunate-luminol chemiluminescence system for the detection of hemin. Talanta, 2019, 204, 379-385.	2.9	23

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19	Recent advances in nanomaterialâ€based capillary electrophoresis. Electrophoresis, 2019, 40, 2050-2057.	1.3	20
20	Recent developments in stripping analysis of trace metals. Current Opinion in Electrochemistry, 2019, 17, 65-71.	2.5	32
21	Stainless steel electrode for simultaneous stripping analysis of Cd(II), Pb(II), Cu(II) and Hg(II). Talanta, 2019, 191, 485-490.	2.9	60
22	Multifunctional magnetic Fe3O4/nitrogen-doped porous carbon nanocomposites for removal of dyes and sensing applications. Applied Surface Science, 2019, 467-468, 89-97.	3.1	40
23	Tris(2,2â€²-bipyridyl)ruthenium(II) electrochemiluminescent determination of ethyl formate. Analytical and Bioanalytical Chemistry, 2018, 410, 6779-6785.	1.9	7
24	Determination of Concentrated Hydrogen Peroxide Free from Oxygen Interference at Stainless Steel Electrode. Analytical Chemistry, 2018, 90, 8680-8685.	3.2	21
25	Artemisinin-Luminol Chemiluminescence for Forensic Bloodstain Detection Using a Smart Phone as a Detector. Analytical Chemistry, 2017, 89, 6160-6165.	3.2	62
26	Sensitive detection of alkaline phosphatase by switching on gold nanoclusters fluorescence quenched by pyridoxal phosphate. Biosensors and Bioelectronics, 2017, 95, 8-14.	5.3	120
27	Chemiluminescence of Luciginâ€“Allantoin and Its Application for the Detection of Allantoin. Analytical Chemistry, 2017, 89, 1863-1869.	3.2	27
28	Stainless Steel Electrode for Sensitive Luminol Electrochemiluminescent Detection of H₂O₂, Glucose, and Glucose Oxidase Activity. Analytical Chemistry, 2017, 89, 9864-9869.	3.2	165
29	Detection of Sodium Dehydroacetate by Tris(2,2â€²â€bipyridine)ruthenium(II) Electrochemiluminescence. ChemElectroChem, 2017, 4, 1702-1707.	1.7	11
30	Efficient lucigenin/thiourea dioxide chemiluminescence system and its application for selective and sensitive dopamine detection. Sensors and Actuators B: Chemical, 2017, 238, 468-472.	4.0	72
31	Ultrasensitive Glutathione Detection Based on Lucigenin Cathodic Electrochemiluminescence in the Presence of MnO₂ Nanosheets. Analytical Chemistry, 2016, 88, 7654-7659.	3.2	146
32	Electrochemiluminescence of Luminol-Tripropylamine System. Electrochimica Acta, 2016, 196, 245-251.	2.6	16
33	Electrogenerated chemiluminescence of tris(2,2'-bipyridine)ruthenium(II) using N-(3-aminopropyl)diethanolamine as coreactant. Analytical and Bioanalytical Chemistry, 2016, 408, 7059-7065.	1.9	29
34	Kinetic and Thermodynamic Study of Pb(II) and Zn(II) Ions Adsorption on Activated Carbon Prepared from Waste of Savannah Bamboo. Advanced Science, Engineering and Medicine, 2015, 7, 205-212.	0.3	5
35	Electrochemical determination of ascorbic acid at p-phenylenediamine film-holes modified glassy carbon electrode. Journal of the Serbian Chemical Society, 2015, 80, 1161-1175.	0.4	6
36	Adsorption of Hexavalent Chromium from Aqueous Solution Using Chemically Activated Carbon Prepared from Locally Available Waste of Bamboo (Oxytenanthera abyssinica). ISRN Environmental Chemistry, 2014, 2014, 1-9.	0.9	67

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37	Analysis of Copper, Zinc and Lead using Atomic Absorption Spectrophotometer in ground water of Jimma town of Southwestern Ethiopia. International Journal of Chemical and Analytical Science, 2013, 4, 201-204.	0.5	35
38	Electrochemical determination of hydrogen peroxide at glassy carbon electrode modified with palladium nanoparticles. Journal of the Serbian Chemical Society, 2013, 78, 701-711.	0.4	17
39	Kinetics of Ascorbic Acid Degradation in Avocado Fruit (Persea americana) Under Different Storage Temperatures by Cyclic Voltammetry. Advanced Science, Engineering and Medicine, 2013, 5, 1312-1315.	0.3	0
40	Kinetic and Thermodynamic Study of Phenol Removal from Water Using Activated Carbon Synthesizes from Avocado Kernel Seed. International Letters of Natural Sciences, 0, 54, 42-57.	1.0	5