

Shimeles Addisu Kitte

List of Publications by Year in descending order

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Version: 2024-02-01

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	Stainless Steel Electrode for Sensitive Luminol Electrochemiluminescent Detection of H_2O_2 , Glucose, and Glucose Oxidase Activity. <i>Analytical Chemistry</i> , 2017, 89, 9864-9869.	3.2	165
2	Ultrasensitive Glutathione Detection Based on Lucigenin Cathodic Electrochemiluminescence in the Presence of MnO_2 Nanosheets. <i>Analytical Chemistry</i> , 2016, 88, 7654-7659.	3.2	146
3	Sensitive detection of alkaline phosphatase by switching on gold nanoclusters fluorescence quenched by pyridoxal phosphate. <i>Biosensors and Bioelectronics</i> , 2017, 95, 8-14.	5.3	120
4	Efficient lucigenin/thiourea dioxide chemiluminescence system and its application for selective and sensitive dopamine detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 468-472.	4.0	72
5	Adsorption of Hexavalent Chromium from Aqueous Solution Using Chemically Activated Carbon Prepared from Locally Available Waste of Bamboo (<i>Oxytenanthera abyssinica</i>). <i>ISRN Environmental Chemistry</i> , 2014, 2014, 1-9.	0.9	67
6	Artemisinin-Luminol Chemiluminescence for Forensic Bloodstain Detection Using a Smart Phone as a Detector. <i>Analytical Chemistry</i> , 2017, 89, 6160-6165.	3.2	62
7	Stainless steel electrode for simultaneous stripping analysis of Cd(II), Pb(II), Cu(II) and Hg(II). <i>Talanta</i> , 2019, 191, 485-490.	2.9	60
8	Two-Dimensional-Plasmon-Boosted Iron Single-Atom Electrochemiluminescence for the Ultrasensitive Detection of Dopamine, Hemin, and Mercury. <i>Analytical Chemistry</i> , 2021, 93, 9949-9957.	3.2	42
9	Ultrasound-activated Au/ZnO-based Trojan nanogenerators for combined targeted electro-stimulation and enhanced catalytic therapy of tumor. <i>Nano Energy</i> , 2021, 87, 106208.	8.2	41
10	Multifunctional magnetic Fe ₃ O ₄ /nitrogen-doped porous carbon nanocomposites for removal of dyes and sensing applications. <i>Applied Surface Science</i> , 2019, 467-468, 89-97.	3.1	40
11	Analysis of Copper, Zinc and Lead using Atomic Absorption Spectrophotometer in ground water of Jimma town of Southwestern Ethiopia. <i>International Journal of Chemical and Analytical Science</i> , 2013, 4, 201-204.	0.5	35
12	Plasmon-enhanced quantum dots electrochemiluminescence aptasensor for selective and sensitive detection of cardiac troponin I. <i>Talanta</i> , 2021, 221, 121674.	2.9	34
13	Recent developments in stripping analysis of trace metals. <i>Current Opinion in Electrochemistry</i> , 2019, 17, 65-71.	2.5	32
14	Electrogenerated chemiluminescence of tris(2,2'-bipyridine)ruthenium(II) using N-(3-aminopropyl)diethanolamine as coreactant. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7059-7065.	1.9	29
15	Chemiluminescence of Lucigenin-Allantoin and Its Application for the Detection of Allantoin. <i>Analytical Chemistry</i> , 2017, 89, 1863-1869.	3.2	27
16	Light Scattering and Luminophore Enrichment-Enhanced Electrochemiluminescence by a 2D Porous Ru@SiO ₂ Nanoparticle Membrane and Its Application in Ultrasensitive Detection of Prostate-Specific Antigen. <i>Analytical Chemistry</i> , 2021, 93, 11641-11647.	3.2	25
17	Plasmon-Boosted Cu-Doped TiO ₂ Oxygen Vacancy-Rich Luminol Electrochemiluminescence for Highly Sensitive Detection of Alkaline Phosphatase. <i>Analytical Chemistry</i> , 2021, 93, 15183-15191.	3.2	25
18	Artesunate-luminol chemiluminescence system for the detection of hemin. <i>Talanta</i> , 2019, 204, 379-385.	2.9	23

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19	Plasmon-Enhanced Nitrogen Vacancy-Rich Carbon Nitride Electrochemiluminescence Aptasensor for Highly Sensitive Detection of miRNA. <i>Analytical Chemistry</i> , 2022, 94, 1406-1414.	3.2	23
20	Highly sensitive and selective non-enzymatic glucose detection based on indigo carmine/hemin/H ₂ O ₂ chemiluminescence. <i>Analyst</i> , The, 2020, 145, 1041-1046.	1.7	22
21	Determination of Concentrated Hydrogen Peroxide Free from Oxygen Interference at Stainless Steel Electrode. <i>Analytical Chemistry</i> , 2018, 90, 8680-8685.	3.2	21
22	Recent advances in nanomaterials-based capillary electrophoresis. <i>Electrophoresis</i> , 2019, 40, 2050-2057.	1.3	20
23	Gold nanoparticle-based signal amplified electrochemiluminescence for biosensing applications. <i>Talanta</i> , 2022, 248, 123611.	2.9	18
24	Electrochemical determination of hydrogen peroxide at glassy carbon electrode modified with palladium nanoparticles. <i>Journal of the Serbian Chemical Society</i> , 2013, 78, 701-711.	0.4	17
25	Enzyme-like Fe-N5 single atom catalyst for simultaneous electrochemical detection of dopamine and uric acid. <i>Journal of Electroanalytical Chemistry</i> , 2022, 904, 115956.	1.9	17
26	Electrochemiluminescence of Luminol-Tripropylamine System. <i>Electrochimica Acta</i> , 2016, 196, 245-251.	2.6	16
27	High-efficiency cathodic electrochemiluminescence of the tris(2,2'-bipyridine)ruthenium(^{II})-N-hydroxy compound system and its use for sensitive turn-on-detection of mercury(^{II}) and methyl blue. <i>Chemical Communications</i> , 2020, 56, 1827-1830.	2.2	12
28	Enzyme-free signal amplified Au nanoparticle fluorescence detection of thrombin via target-triggered catalytic hairpin assembly. <i>Microchemical Journal</i> , 2021, 160, 105649.	2.3	12
29	Detection of Sodium Dehydroacetate by Tris(2,2'-bipyridine)ruthenium(II) Electrochemiluminescence. <i>ChemElectroChem</i> , 2017, 4, 1702-1707.	1.7	11
30	Acridine orange as a coreactant for efficient electrogenerated chemiluminescence of tris(2,2'-bipyridine)ruthenium(II) and its use in selective and sensitive detection of thiourea. <i>Chemical Communications</i> , 2020, 56, 5154-5157.	2.2	10
31	Tris(2,2'-bipyridine)ruthenium(II)/thiosemicarbazide electrochemiluminescence for the detection of thiosemicarbazide and mercury (II). <i>Electrochimica Acta</i> , 2021, 380, 138171.	2.6	9
32	Tris(2,2'-bipyridyl)ruthenium(II) electrochemiluminescent determination of ethyl formate. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6779-6785.	1.9	7
33	Electrochemical determination of ascorbic acid at p-phenylenediamine film-holes modified glassy carbon electrode. <i>Journal of the Serbian Chemical Society</i> , 2015, 80, 1161-1175.	0.4	6
34	Electrochemiluminescence of Ru(bpy) ₃ ²⁺ /thioacetamide and its application for the sensitive determination of hepatotoxic thioacetamide. <i>Analyst</i> , The, 2021, 146, 5198-5203.	1.7	5
35	Kinetic and Thermodynamic Study of Pb(II) and Zn(II) Ions Adsorption on Activated Carbon Prepared from Waste of Savannah Bamboo. <i>Advanced Science, Engineering and Medicine</i> , 2015, 7, 205-212.	0.3	5
36	Kinetic and Thermodynamic Study of Phenol Removal from Water Using Activated Carbon Synthesized from Avocado Kernel Seed. <i>International Letters of Natural Sciences</i> , 0, 54, 42-57.	1.0	5

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37	A new anodic electrochemiluminescence of tris(2,2'-bipyridine)ruthenium(II) with 1-ethyl-3-(3-dimethylaminopropyl)carbodiimide as a coreactant for determination of hydrogen peroxide. <i>Microchemical Journal</i> , 2022, 177, 107256.	2.3	5
38	Surface-Bonding-Enhanced Self-Co-Reactant Electrogenerated Chemiluminescence for Sensitive and Selective Detection of Thioglycolic Acid in Cosmetics. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	2
39	An impedimetric aptamer-based sensor for sensitive and selective determination of cardiac troponin I. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 505-511.	1.2	1
40	Kinetics of Ascorbic Acid Degradation in Avocado Fruit (<i>Persea americana</i>) Under Different Storage Temperatures by Cyclic Voltammetry. <i>Advanced Science, Engineering and Medicine</i> , 2013, 5, 1312-1315.	0.3	0