Ulku Anik

List of Publications by Year
in descending order

79 papers	2,213 citations	279798 23 h-index	243625 44 g-index
81 all docs	81 docs citations	81 times ranked	2391 citing authors

#	Article	IF	Citations
1	Insights into the anodic stripping voltammetric behavior of bismuth film electrodes. Analytica Chimica Acta, 2001, 434, 29-34.	5.4	325
2	Development of a microbial biosensor based on carbon nanotube (CNT) modified electrodes. Electrochemistry Communications, 2007, 9, 1810-1815.	4.7	143
3	Metal organic frameworks in electrochemical and optical sensing platforms: a review. Mikrochimica Acta, 2019, 186, 196.	5.0	138
4	Examination of performance of glassy carbon paste electrode modified with gold nanoparticle and xanthine oxidase for xanthine and hypoxanthine detection. Talanta, 2007, 74, 434-439.	5.5	102
5	Glassy carbon paste electrodes. Electrochemistry Communications, 2001, 3, 203-208.	4.7	93
6	Electrochemical detection of influenza virus H9N2 based on both immunomagnetic extraction and gold catalysis using an immobilization-free screen printed carbon microelectrode. Biosensors and Bioelectronics, 2018, 107, 170-177.	10.1	79
7	Stripping voltammetry with the electrode material acting as a `built-in' internal standard. Electrochemistry Communications, 2001, 3, 703-706.	4.7	76
8	Towards the electrochemical diagnostic of influenza virus: development of a grapheneâ€“Au hybrid nanocomposite modified influenza virus biosensor based on neuraminidase activity. Analyst, The, 2018, 143, 150-156.	3.5	56
9	Xanthine oxidase modified glassy carbon paste electrode. Electrochemistry Communications, 2004, 6, 913-916.	4.7	55
10	Electrochemical biosensors for influenza virus a detection: The potential of adaptation of these devices to POC systems. Sensors and Actuators B: Chemical, 2018, 254, 377-384.	7.8	48
11	Double-walled carbon nanotube based carbon paste electrode as xanthine biosensor. Mikrochimica Acta, 2009, 166, 209-213.	5.0	43
12	A biosensor based on graphite epoxy composite electrode for aspartame and ethanol detection. Analytica Chimica Acta, 2006, 570, 165-169.	5.4	42
13	Carbon Nanotube Composite as Novel Platform for Microbial Biosensor. Electroanalysis, 2007, 19, 893-898.	2.9	41
14	Fabrication of Electrochemical Model Influenza A Virus Biosensor Based on the Measurements of Neuroaminidase Enzyme Activity. Analytical Chemistry, 2016, 88, 6151-6153.	6.5	33
15	Microbial glucose biosensors based on glassy carbon paste electrodes modified with Gluconobacter Oxydans and graphene oxide or graphene-platinum hybrid nanoparticles. Mikrochimica Acta, 2016, 183, 73-81.	5.0	33
16	Î±-Glucosidase based bismuth film electrode for inhibitor detection. Analytica Chimica Acta, 2007, 598, 143-146.	5.4	31
17	Bismuth Film Combined with Screenâ€Printed Electrode as Biosensing Platform for Phenol Detection. Electroanalysis, 2010, 22, 1429-1436.	2.9	31
18	Effect of Nitric Acid â€œWashingâ€•Procedure on Electrochemical Behavior of Carbon Nanotubes and Glassy Carbon Î¼-Particles. Nanoscale Research Letters, 2010, 5, 846-852.	5.7	30

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19	Grâ€“Pt hybrid NP modified GCPE as label and indicator free electrochemical genosensor platform. Talanta, 2014, 129, 523-528.	5.5	29
20	The usage of a bismuth film electrode as transducer in glucose biosensing. Mikrochimica Acta, 2008, 160, 269-273.	5.0	28
21	Amine intercalated clay surfaces for microbial cell immobilization and biosensing applications. RSC Advances, 2013, 3, 7513.	3.6	28
22	Comparison of performances of bioanodes modified with graphene oxide and grapheneâ€“platinum hybrid nanoparticles. Electrochemistry Communications, 2015, 57, 31-34.	4.7	27
23	Development and application of aÂSARS-CoV-2 colorimetric biosensor based on the peroxidase-mimic activity of Î³-Fe2O3 nanoparticles. Mikrochimica Acta, 2021, 188, 335.	5.0	26
24	Biocentri-voltammetric biosensor for acetylcholine and choline. Mikrochimica Acta, 2012, 179, 299-305.	5.0	24
25	An electrochemical cytosensor based on a PAMAM modified glassy carbon paste electrode. RSC Advances, 2015, 5, 53973-53978.	3.6	24
26	Graphene-metallic nanocomposites as modifiers in electrochemical glucose biosensor transducers. 2D Materials, 2016, 3, 034001.	4.4	24
27	Banana Tissue-Nanoparticle/Nanotube Based Glassy Carbon Paste Electrode Biosensors for Catechol Detection. Sensor Letters, 2010, 8, 667-671.	0.4	24
28	Centri-voltammetric determination of glutathione. Mikrochimica Acta, 2013, 180, 93-100.	5.0	23
29	Voltammetric determination of caffeine by using gold nanoparticle-glassy carbon paste composite electrode. Measurement: Journal of the International Measurement Confederation, 2017, 106, 26-30.	5.0	22
30	Amino acid intercalated montmorillonite: electrochemical biosensing applications. RSC Advances, 2014, 4, 50107-50113.	3.6	20
31	Preparation, Characterization and Electrochemical Application of Grapheneâ€metallic Nanocomposites. Electroanalysis, 2016, 28, 3048-3054.	2.9	20
32	Centri-voltammetric study with amberlite XAD-7 resin as a carrier system. Talanta, 2004, 65, 48-53.	5.5	19
33	Metal/Metal Oxide Micro/Nanostructured Modified GCPE For GSH Detection. Current Analytical Chemistry, 2012, 8, 351-357.	1.2	19
34	Development of TiO₂ and Au Nanocomposite Electrode as CEA Immunosensor Transducer. Electroanalysis, 2014, 26, 1373-1381.	2.9	19
35	Development of an Osmium Redox Polymer Mediated Bioanode and Examination of its Performance in Gluconobacter oxydans Based Microbial Fuel Cell. Electroanalysis, 2017, 29, 1651-1657.	2.9	19
36	Electrochemical Determination of Dopamine Using a Novel Perylenediimide-Derivative Modified Carbon Paste Electrode. Analytical Letters, 2018, 51, 1680-1693.	1.8	19

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37	An impedimetric approach for COVID-19 detection. Analyst, The, 2021, 147, 130-138.	3.5	19
38	Centri-voltammetry for biosensing systems: biocentri-voltammetric xanthine detection. Mikrochimica Acta, 2011, 174, 207-212.	5.0	17
39	Nanomaterial-based composite biosensor for glucose detection in alcoholic beverages. Artificial Cells, Nanomedicine and Biotechnology, 2013, 41, 8-12.	2.8	17
40	Effects of mediators on the laccase biosensor response in paracetamol detection. Biotechnology and Applied Biochemistry, 2006, 45, 23.	3.1	16
41	Development of a Bioanode for Microbial Fuel Cells Based on the Combination of a MWCNTâ€Auâ€Pt Hybrid Nanomaterial, an Osmium Redox Polymer and Gluconobacter oxydans DSM 2343 Cells. ChemistrySelect, 2017, 2, 12034-12040.	1.5	16
42	Development of a Sandwich Immunosensor for concurrent detection of carcinoembryonic antigen (CEA), vascular endothelial growth factor (VEGF) and Î±-fetoprotein (AFP) biomarkers. Materials Science and Engineering C, 2019, 101, 88-91.	7.3	16
43	Towards the electrochemical diagnosis of cancer: nanomaterial-based immunosensors and cytosensors. RSC Advances, 2016, 6, 111831-111841.	3.6	15
44	Ascorbic Acid Detection with MnO2-Modified GCPE. Food Analytical Methods, 2016, 9, 500-504.	2.6	15
45	Electroâ€nano Diagnostic Platforms for Simultaneous Detection of Multiple Cancer Biomarkers. Electroanalysis, 2017, 29, 2832-2838.	2.9	15
46	Centri-voltammetric dopamine detection. RSC Advances, 2014, 4, 31489-31492.	3.6	14
47	Fabrication of graphene/azobenzene-perylene diimide derivative modified electrochemical sensors for the dopamine detection based on full factorial experimental design. Measurement: Journal of the International Measurement Confederation, 2019, 147, 106867.	5.0	14
48	Biocentri-voltammetry for the enzyme assay: a model study. RSC Advances, 2012, 2, 4299.	3.6	13
49	A biochar-modified carbon paste electrode. Turkish Journal of Chemistry, 2017, 41, 455-465.	1.2	13
50	Usage of Bismuth Film Electrode as Biosensor Transducer for Alkaline Phosphatase Assay. Electroanalysis, 2010, 22, 1519-1523.	2.9	12
51	A polyoxy group branched diazo dye as an alternative material for the fabrication of an electrochemical epinephrine sensor. New Journal of Chemistry, 2019, 43, 18575-18581.	2.8	12
52	Graphene oxideâ€“porphyrin composite nanostructure included electrochemical sensor for catechol detection. New Journal of Chemistry, 2021, 45, 1734-1742.	2.8	12
53	Label and indicator free electrochemical nanobiosensing of DNA hybridization based on MnO₂ nanomaterial modified GCPE. RSC Advances, 2014, 4, 39691-39696.	3.6	11
54	Carboxylic acid functionalized multi-walled carbon nanotube assisted centri-voltammetry as a new approach for caffeine detection. New Journal of Chemistry, 2017, 41, 11800-11806.	2.8	11

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55	Centriâ€Voltammetric Folic Acid Detection. Electroanalysis, 2020, 32, 470-478.	2.9	11
56	An effective electrochemical biosensing platform for the detection of reduced glutathione. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1-7.	2.8	10
57	Combination of a poly(3,4-ethylene-dioxythiophene) electrode in the presence of sodium dodecyl sulfate with centri-voltammetry. Analytical Methods, 2015, 7, 6740-6746.	2.7	9
58	Centri-voltammetric detection of epinephrine. Analytical Methods, 2016, 8, 6872-6876.	2.7	9
59	Bismuth Nanoparticles Incorporated Centriâ€voltammetry for Phenol Detection. Electroanalysis, 2015, 27, 2838-2844.	2.9	8
60	Development of Practical Electrochemical System for Phenytoin Detection. ChemistrySelect, 2019, 4, 7704-7708.	1.5	8
61	Laccase Biosensors Based on Mercury Thin Film Electrode. Artificial Cells, Blood Substitutes, and Biotechnology, 2005, 33, 447-456.	0.9	7
62	Bismuth Film Electrode as Sensing Platform for IgEâ€“antiâ€IgE Interactions. Electroanalysis, 2011, 23, 2379-2385.	2.9	7
63	Centri-voltammetry and biocentri-voltammetry: a review. Mikrochimica Acta, 2013, 180, 741-749.	5.0	7
64	Fabrication of multi-walled carbon nanotubeâ€“metallic nanoparticle hybrid nanostructure based electrochemical platforms for sensitive and practical colchicine detection. New Journal of Chemistry, 2019, 43, 13437-13446.	2.8	7
65	Capacitive properties of promising energy storage material based on thiophene containing perylenediimide polymer. Journal of Applied Polymer Science, 2021, 138, app50234.	2.6	7
66	Electrochemical sensor based on perylene diimide derivative modified electrode. Monatshefte FÃ¼r Chemie, 2021, 152, 193-199.	1.8	6
67	Application of Bismuth(III)-Entrapped XO Biosensing System for Xanthine Determination in Beverages. Food Analytical Methods, 2012, 5, 716-722.	2.6	5
68	Comparison of influence of nanomaterials on a glassy carbon paste electrode-based bioanode in biofuel cells. Turkish Journal of Chemistry, 2016, 40, 698-705.	1.2	5
69	Centriâ€Voltammetric GSH Detection with PDIâ€C₄SH as a Carrier Material. ChemistrySelect, 2021, 6, 11648-11652.	1.5	5
70	Poly(allylamine hydrochloride) Functionalized Multiwalled Carbon Nanotube Modified Carbon Paste Electrode as Acetylcholinesterase Biosensor Transducer. Electroanalysis, 2013, 25, 2377-2383.	2.9	4
71	Application of Centri-voltammetry to Cytosensors: Cyto-centrivoltammetry. Electrochimica Acta, 2016, 211, 71-76.	5.2	4
72	Electrochemical Examination of Nanomaterial Modified Carbon Based Electrodes. Current Analytical Chemistry, 2014, 10, 435-442.	1.2	4

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73	Recent pros and cons of nanomaterials in drug delivery systems. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 1090-1100.	3.4	3
74	Development of Apple Tissue Based Biocathode and MWCNTâˆ’Ptâˆ’Au Nanomaterial Based Bioanode Biofuel Cell. Electroanalysis, 2021, 33, 873-881.	2.9	3
75	An Unsymmetrical Perylene Diimide Dye Modified Carbon Felt Electrode as A Novel Electrochemical Platform for Dopamine Detection. ChemistrySelect, 2020, 5, 11698-11702.	1.5	2
76	Pseudomonas fragi/grapheneâ€“gold hybrid nanomaterial bioanode based microbial fuel cell. New Journal of Chemistry, 2021, 45, 11101-11107.	2.8	2
77	Neuraminidase Based Electroâ€Nano Diagnostic Platforms: Development of Model Systems for Cancer Diagnosis. Electroanalysis, 2021, 33, 1160-1166.	2.9	2
78	L. Lactis Subsp. Lactis of Cheese Origin Based Microbial Fuel Cell. ChemistrySelect, 2021, 6, 8270-8274.	1.5	2
79	Metallic Nanoparticleâ€“ and Metal Oxide Nanoparticleâ€“Based Electrodes. , 2014, , 243-275.		1