Sevinc Kurbanoglu

List of Publications by Year in Descending Order

82 papers	1,281 citations	19 h-index	33 g-index
86 ext. papers	1,566 ext. citations	4 avg, IF	5.41 L-index

#	Paper	IF	Citations
82	Phosphodiesterase-3 Enzyme Inhibitor Drug Milrinone Interaction with DNA and HSA: Electrochemical, Spectroscopic and Molecular Docking. *Journal of the Electrochemical Society*, **2022**, 169, 027521	3.9	1
81	Polymeric Nanofibers as Electrodes for Sensors. *Engineering Materials*, **2022**, 399-413	0.4	
80	Basics of Electrochemical Sensors. *Engineering Materials*, **2022**, 81-99	0.4	2
79	Understanding electrooxidation mechanism of anticancer drugs utilizing ultrafast pump probe spectroscopy. *Journal of Molecular Structure*, **2022**, 1262, 133071	3.4	0
78	Evaluation of the Interaction of Cinacalcet with Calf Thymus dsDNA: Use of Electrochemical, Spectrofluorimetric, and Molecular Docking Methods. *Biosensors*, **2022**, 12, 278	5.9	1
77	Molecularly Imprinted Polymer-Based Sensors for SARS-CoV-2: Where Are We Now?. *Biomimetics*, **2022**, 7, 58	3.7	1
76	Revisiting Pharmaceutical Analysis in the Light of New Technologies - Volume II. *Current Analytical Chemistry*, **2021**, 17, 1213-1214	1.7	
75	The Interaction between DNA and Three Intercalating Anthracyclines Using Electrochemical DNA Nanobiosensor Based on Metal Nanoparticles Modified Screen-Printed Electrode. *Micromachines*, **2021**, 12,	3.3	2
74	Electrochemical Analysis for Pharmaceuticals by the Advantages of Metal Oxide Nanomaterials. *Current Analytical Chemistry*, **2021**, 17, 1322-1339	1.7	2
73	Simple and robust: The claims of protein sensing by molecularly imprinted polymers. *Sensors and Actuators B: Chemical*, **2021**, 330, 129369	8.5	19
72	Latest trends for biogenic amines detection in foods: Enzymatic biosensors and nanozymes applications. *Trends in Food Science and Technology*, **2021**, 112, 75-87	15.3	15
71	Graphene-Gold Nanoparticles Nanozyme-Based Electrochemical Sensor with Enhanced Laccase-Like Activity for Determination of Phenolic Substrates. *Journal of the Electrochemical Society*, **2021**, 168, 067523	3.9	5
70	Quantum dot-based electrochemical molecularly imprinted polymer sensors: potentials and challenges **2021**, 121-153		
69	Quantum dots: Synthesis and characterizations **2021**, 1-35		
68	Multi-Purpose electrochemical tyrosinase nanobiosensor based on poly (3,4 ethylenedioxythiophene) nanoparticles decorated graphene quantum dots: Applications to hormone drugs analyses and inhibition studies. *Sensors and Actuators B: Chemical*, **2021**, 343, 130164	8.5	3
67	Enzyme-based electrochemical nanobiosensors using quantum dots **2021**, 307-339		1
66	Future prospects and concluding remarks for electroanalytical applications of quantum dots **2021**, 427-450		1

65	Au-Pt nanoparticles based molecularly imprinted nanosensor for electrochemical detection of the lipopeptide antibiotic drug Daptomycin. *Sensors and Actuators B: Chemical*, **2020**, 320, 128285	8.5	20
64	Frontiers in electrochemical enzyme based biosensors for food and drug analysis. *TrAC - Trends in Analytical Chemistry*, **2020**, 124, 115809	14.6	41
63	Fabrication of poly(3,4-ethylenedioxythiophene)-iridium oxide nanocomposite based Tyrosinase biosensor for the dual detection of catechol and azinphos methyl. *Sensors and Actuators B: Chemical*, **2020**, 316, 128121	8.5	17
62	Analysis of diterpenes and diterpenoids **2020**, 313-345		3
61	Chemically Modified Electrodes in Electrochemical Drug Analysis. *Current Pharmaceutical Analysis*, **2020**, 16, 641-660	0.6	6
60	Simultaneous Determination of Hydrochlorothiazide and Irbesartan from Pharmaceutical Dosage Forms with RP-HPLC. *Turkish Journal of Pharmaceutical Sciences*, **2020**, 17, 523-527	1.1	1
59	GC-MS Based Metabolic Profiling of Parkinson's Disease with Glutathione S-transferase M1 and T1 Polymorphism in Tunisian Patients. *Combinatorial Chemistry and High Throughput Screening*, **2020**, 23, 1041-1048	1.3	2
58	Non-enzymatic monitoring of hydrogen peroxide using novel nanosensor based on CoFeO@CdSeQD magnetic nanocomposite and rifampicin mediator. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 5053-5065	4.4	13
57	Preparation of porous Cu metal organic framework/ZnTe nanorods/Au nanoparticles hybrid platform for nonenzymatic determination of catechol. *Journal of Electroanalytical Chemistry*, **2020**, 856, 113672	4.1	16
56	Carbon-based ruthenium nanomaterial-based electroanalytical sensors for the detection of anticancer drug Idarubicin. *Scientific Reports*, **2020**, 10, 11057	4.9	10
55	Carbon quantum dots co-catalyzed with multiwalled carbon nanotubes and silver nanoparticles modified nanosensor for the electrochemical assay of anti-HIV drug Rilpivirine. *Sensors and Actuators B: Chemical*, **2019**, 285, 571-583	8.5	37
54	Development and in vitro/in vivo evaluation of dihydroergotamine mesylate loaded maltodextrin-pullulan sublingual films. *Drug Development and Industrial Pharmacy*, **2019**, 45, 914-921	3.6	6
53	Introduction to Nanosensors **2019**, 1-46		3
52	The Effect of Nanomaterials on the Drug Analysis Performance of Nanosensors **2019**, 79-118		3
51	Chemical Nanosensors in Pharmaceutical Analysis **2019**, 141-170		3
50	Photoelectrochemical Nanosensors **2019**, 197-229		1
49	Molecularly Imprinted Polymer-Based Nanosensors for Pharmaceutical Analysis **2019**, 231-271		2
48	Nanomaterials for Drug Delivery Systems **2019**, 273-301		7

47	Highly sensitive carbon-based nanohybrid sensor platform for determination of 5-hydroxytryptamine receptor agonist (Eletriptan). *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 174, 206-213	3.5	11
46	Current Analytical Techniques and Applications in Pharmaceutical Analysis Volume I *Current Analytical Chemistry*, **2019**, 15, 184-185	1.7	
45	NH2-Functionalized Multi Walled Carbon Nanotubes Decorated with ZnO Nanoparticles and Graphene Quantum Dots for Sensitive Assay of Pimozide. *Electroanalysis*, **2019**, 31, 1083-1094	3	12
44	Fortification of Functional and Medicinal Beverages With Botanical Products and Their Analysis **2019**, 351-404		1
43	The Role of Electrochemical Immunosensors in Clinical Analysis. *Biosensors*, **2019**, 9,	5.9	75
42	Current Analytical Techniques and Applications in Pharmaceutical Analysis Volume II *Current Analytical Chemistry*, **2019**, 15, 322-323	1.7	
41	Recent Advances on Drug Analyses Using Ultra Performance Liquid Chromatographic Techniques and their Application to the Biological Samples. *Current Analytical Chemistry*, **2019**, 15, 277-293	1.7	5
40	Electrochemical Determination of Non-Steroidal Anti-Inflammatory Drugs. *Current Analytical Chemistry*, **2019**, 15, 485-501	1.7	6
39	Electrochemical Analysis of Antipsychotics. *Current Pharmaceutical Analysis*, **2019**, 15, 413-428	0.6	3
38	Electrochemical MIP Sensor for Butyrylcholinesterase. *Polymers*, **2019**, 11,	4.5	19
37	Nanomaterials-Based Nanosensors for the Simultaneous Electrochemical Determination of Biologically Important Compounds: Ascorbic Acid, Uric Acid, and Dopamine. *Critical Reviews in Analytical Chemistry*, **2019**, 49, 101-125	5.2	31
36	Modern Assay Techniques for Cancer Drugs: Electroanalytical and Liquid Chromatography Methods. *Critical Reviews in Analytical Chemistry*, **2019**, 49, 306-323	5.2	4
35	Development and Validation of RP-LC Method for the Simultaneous Determination of Simvastatin and Ezetimibe in Fixed-Dose Combination Tablets and in Rabbit Serum. *Chromatographia*, **2019**, 82, 279-285	2.1	1
34	A novel electrochemical nanosensor based on NH-functionalized multi walled carbon nanotubes for the determination of catechol-orto-methyltransferase inhibitor entacapone. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 165, 73-81	3.5	18
33	Amperometric Flow Injection Analysis of Glucose and Galactose Based on Engineered Pyranose 2-Oxidases and Osmium Polymers for Biosensor Applications. *Electroanalysis*, **2018**, 30, 1496-1504	3	12
32	Nanomedicine: An effective tool in cancer therapy. *International Journal of Pharmaceutics*, **2018**, 540, 132-149	6.5	143
31	Recent developments on electrochemical flow injection in pharmaceuticals and biologically important compounds. *Electrochimica Acta*, **2018**, 287, 135-148	6.7	12
30	Electrochemical carbon based nanosensors: A promising tool in pharmaceutical and biomedical analysis. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 147, 439-457	3.5	80

29	A Novel Enzymatic Biosensor for the Detection of Catechol Using Multi-walled Carbon Nanotubes and Gold Nanowires. *Electrocatalysis*, **2018**, 9, 252-257	2.7	19
28	Nanobiodevices for electrochemical biosensing of pharmaceuticals **2018**, 291-330		3
27	Validation of Analytical Methods for the Assessment of Hazards in Food **2018**, 59-90		2
26	Current perspectives on drug release studies from polymeric nanoparticles **2018**, 101-145		2
25	Electrochemical MIP-Sensors for Drugs. *Current Medicinal Chemistry*, **2018**, 25, 4007-4019	4.3	20
24	A novel core-shell-based chromatographic method supported by ratio derivative spectrophotometry for the simultaneous determination of perindopril, indapamide, and amlodipine ternary mixtures. *Turkish Journal of Chemistry*, **2018**, 42, 1408-1419	1	3
23	MWCNT/CdSe quantum dot modified glassy carbon electrode for the determination of clopidogrel bisulfate in tablet dosage form and serum samples. *Journal of Electroanalytical Chemistry*, **2018**, 827, 51-57	4.1	9
22	Development of assay for determination of eletriptan hydrobromide in loaded PLGA nanoparticles. *Journal of Pharmaceutical and Biomedical Analysis*, **2017**, 142, 74-83	3.5	13
21	Carbon-based nanostructures for electrochemical analysis of oral medicines **2017**, 885-938		4
20	Electrochemically reduced graphene and iridium oxide nanoparticles for inhibition-based angiotensin-converting enzyme inhibitor detection. *Biosensors and Bioelectronics*, **2017**, 88, 122-129	11.8	36
19	Nanomaterials-based enzyme electrochemical biosensors operating through inhibition for biosensing applications. *Biosensors and Bioelectronics*, **2017**, 89, 886-898	11.8	133
18	Electrochemical DNA Biosensors in Drug Analysis. *Current Pharmaceutical Analysis*, **2017**, 13, 195-207	0.6	9
17	Diffusion, Adsorption and Electrode Kinetics of Electro-oxidatons on a Stationary Solid Electrode. *Electroanalysis*, **2016**, 28, 2947-2955	3	1
16	Simultaneous Determination and Drug Dissolution Testing of Combined Amlodipine Tablet Formulations Using RP-LC. *Chromatographia*, **2016**, 79, 1143-1151	2.1	6
15	Advances in electrochemical DNA biosensors and their interaction mechanism with pharmaceuticals. *Journal of Electroanalytical Chemistry*, **2016**, 775, 8-26	4.1	37
14	Electrochemical glucose biosensing via new generation DTP type conducting polymers/gold nanoparticles/glucose oxidase modified electrodes. *Journal of Electroanalytical Chemistry*, **2016**, 770, 90-97	4.1	20
13	Electrochemical investigation of an interaction of the antidepressant drug aripiprazole with original and damaged calf thymus dsDNA. *Electrochimica Acta*, **2015**, 169, 233-240	6.7	28
12	Antithyroid drug detection using an enzyme cascade blocking in a nanoparticle-based lab-on-a-chip system. *Biosensors and Bioelectronics*, **2015**, 67, 670-6	11.8	32

11	Stability-Indicating UPLC Method for the Determination of Bisoprolol Fumarate and Hydrochlorothiazide: Application to Dosage Forms and Biological Sample. *Chromatographia*, **2014**, 77, 365-371	2.1	14
10	Electrochemical mechanism and sensitive assay of antiretroviral drug Abacavir in biological sample using multiwalled carbon nanotube modified pyrolytic graphite electrode. *Journal of Electroanalytical Chemistry*, **2014**, 712, 178-184	4.1	18
9	Iridium oxide nanoparticle induced dual catalytic/inhibition based detection of phenol and pesticide compounds. *Journal of Materials Chemistry B*, **2014**, 2, 2233-2239	7.3	42
8	DEVELOPMENT AND VALIDATION OF A STABILITY-INDICATING RP-LC METHOD FOR THE DETERMINATION OF ANTICANCER DRUG EPIRUBICIN IN PHARMACEUTICALS. *Journal of Liquid Chromatography and Related Technologies*, **2014**, 37, 1583-1596	1.3	7
7	Simultaneous determination and validation of some binary mixtures of antihypertensive drugs using ratio derivative spectrophotometric method. *Journal of Analytical Chemistry*, **2014**, 69, 935-941	1.1	8
6	LC-MS Method for the Sensitive Determination of Metoclopramide: Application to Rabbit Plasma, Gel Formulations and Pharmaceuticals. *Chromatographia*, **2014**, 77, 99-107	2.1	2
5	A Sensitive and Selective RP-LC Method for the Simultaneous Determination of the Antihypertensive Drugs, Enalapril, Lercanidipine, Nitrendipine and Their Validation. *Chromatographia*, **2013**, 76, 1477-1485	2.1	4
4	Electrochemical Investigations of the Anticancer Drug Idarubicin Using Multiwalled Carbon Nanotubes Modified Glassy Carbon and Pyrolytic Graphite Electrodes. *Electroanalysis*, **2013**, 25, 1473-1482	3	25
3	Simultaneous estimation and validation of some binary mixtures of antihypertensive drugs by RP-LC methods using two new generation silica columns. *Journal of Pharmaceutical and Biomedical Analysis*, **2013**, 72, 198-201	3.5	12
2	A New Amperometric Biosensor for Diamine: Use of a Conducting Polymer Layer. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2013**, 50, 914-922	2.2	3
1	UPLC versus HPLC on Drug Analysis: Advantageous, Applications and Their Validation Parameters. *Chromatographia*, **2013**, 76, 1365-1427	2.1	90