

# Sevinc Kurbanoglu

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Nanomedicine: An effective tool in cancer therapy. <i>International Journal of Pharmaceutics</i> , <b>2018</b> , 540, 132-149	6.5	143
81	Nanomaterials-based enzyme electrochemical biosensors operating through inhibition for biosensing applications. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 89, 886-898	11.8	133
80	UPLC versus HPLC on Drug Analysis: Advantageous, Applications and Their Validation Parameters. <i>Chromatographia</i> , <b>2013</b> , 76, 1365-1427	2.1	90
79	Electrochemical carbon based nanosensors: A promising tool in pharmaceutical and biomedical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 147, 439-457	3.5	80
78	The Role of Electrochemical Immunosensors in Clinical Analysis. <i>Biosensors</i> , <b>2019</b> , 9,	5.9	75
77	Iridium oxide nanoparticle induced dual catalytic/inhibition based detection of phenol and pesticide compounds. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 2233-2239	7.3	42
76	Frontiers in electrochemical enzyme based biosensors for food and drug analysis. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 124, 115809	14.6	41
75	Carbon quantum dots co-catalyzed with multiwalled carbon nanotubes and silver nanoparticles modified nanosensor for the electrochemical assay of anti-HIV drug Rilpivirine. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 285, 571-583	8.5	37
74	Advances in electrochemical DNA biosensors and their interaction mechanism with pharmaceuticals. <i>Journal of Electroanalytical Chemistry</i> , <b>2016</b> , 775, 8-26	4.1	37
73	Electrochemically reduced graphene and iridium oxide nanoparticles for inhibition-based angiotensin-converting enzyme inhibitor detection. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 88, 122-129	11.8	36
72	Antithyroid drug detection using an enzyme cascade blocking in a nanoparticle-based lab-on-a-chip system. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 67, 670-6	11.8	32
71	Nanomaterials-Based Nanosensors for the Simultaneous Electrochemical Determination of Biologically Important Compounds: Ascorbic Acid, Uric Acid, and Dopamine. <i>Critical Reviews in Analytical Chemistry</i> , <b>2019</b> , 49, 101-125	5.2	31
70	Electrochemical investigation of an interaction of the antidepressant drug aripiprazole with original and damaged calf thymus dsDNA. <i>Electrochimica Acta</i> , <b>2015</b> , 169, 233-240	6.7	28
69	Electrochemical Investigations of the Anticancer Drug Idarubicin Using Multiwalled Carbon Nanotubes Modified Glassy Carbon and Pyrolytic Graphite Electrodes. <i>Electroanalysis</i> , <b>2013</b> , 25, 1473-1482	3.2	25
68	Au-Pt nanoparticles based molecularly imprinted nanosensor for electrochemical detection of the lipopeptide antibiotic drug Daptomycin. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 320, 128285	8.5	20
67	Electrochemical MIP-Sensors for Drugs. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 4007-4019	4.3	20
66	Electrochemical glucose biosensing via new generation DTP type conducting polymers/gold nanoparticles/glucose oxidase modified electrodes. <i>Journal of Electroanalytical Chemistry</i> , <b>2016</b> , 770, 90-97	4.1	20

65	A Novel Enzymatic Biosensor for the Detection of Catechol Using Multi-walled Carbon Nanotubes and Gold Nanowires. <i>Electrocatalysis</i> , <b>2018</b> , 9, 252-257	2.7	19
64	Simple and robust: The claims of protein sensing by molecularly imprinted polymers. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 330, 129369	8.5	19
63	Electrochemical MIP Sensor for Butyrylcholinesterase. <i>Polymers</i> , <b>2019</b> , 11,	4.5	19
62	Electrochemical mechanism and sensitive assay of antiretroviral drug Abacavir in biological sample using multiwalled carbon nanotube modified pyrolytic graphite electrode. <i>Journal of Electroanalytical Chemistry</i> , <b>2014</b> , 712, 178-184	4.1	18
61	A novel electrochemical nanosensor based on NH-functionalized multi walled carbon nanotubes for the determination of catechol-ortho-methyltransferase inhibitor entacapone. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 165, 73-81	3.5	18
60	Fabrication of poly(3,4-ethylenedioxythiophene)-iridium oxide nanocomposite based Tyrosinase biosensor for the dual detection of catechol and azinphos methyl. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 316, 128121	8.5	17
59	Preparation of porous Cu metal organic framework/ZnTe nanorods/Au nanoparticles hybrid platform for nonenzymatic determination of catechol. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 856, 113672	4.1	16
58	Latest trends for biogenic amines detection in foods: Enzymatic biosensors and nanozymes applications. <i>Trends in Food Science and Technology</i> , <b>2021</b> , 112, 75-87	15.3	15
57	Stability-Indicating UPLC Method for the Determination of Bisoprolol Fumarate and Hydrochlorothiazide: Application to Dosage Forms and Biological Sample. <i>Chromatographia</i> , <b>2014</b> , 77, 365-371	2.1	14
56	Development of assay for determination of eletriptan hydrobromide in loaded PLGA nanoparticles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 142, 74-83	3.5	13
55	Non-enzymatic monitoring of hydrogen peroxide using novel nanosensor based on CoFeO@CdSeQD magnetic nanocomposite and rifampicin mediator. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 5053-5065	4.4	13
54	NH <sub>2</sub> -Functionalized Multi Walled Carbon Nanotubes Decorated with ZnO Nanoparticles and Graphene Quantum Dots for Sensitive Assay of Pimozide. <i>Electroanalysis</i> , <b>2019</b> , 31, 1083-1094	3	12
53	Amperometric Flow Injection Analysis of Glucose and Galactose Based on Engineered Pyranose 2-Oxidases and Osmium Polymers for Biosensor Applications. <i>Electroanalysis</i> , <b>2018</b> , 30, 1496-1504	3	12
52	Recent developments on electrochemical flow injection in pharmaceuticals and biologically important compounds. <i>Electrochimica Acta</i> , <b>2018</b> , 287, 135-148	6.7	12
51	Simultaneous estimation and validation of some binary mixtures of antihypertensive drugs by RP-LC methods using two new generation silica columns. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2013</b> , 72, 198-201	3.5	12
50	Highly sensitive carbon-based nanohybrid sensor platform for determination of 5-hydroxytryptamine receptor agonist (Eletriptan). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 174, 206-213	3.5	11
49	Carbon-based ruthenium nanomaterial-based electroanalytical sensors for the detection of anticancer drug Idarubicin. <i>Scientific Reports</i> , <b>2020</b> , 10, 11057	4.9	10
48	Electrochemical DNA Biosensors in Drug Analysis. <i>Current Pharmaceutical Analysis</i> , <b>2017</b> , 13, 195-207	0.6	9

47	MWCNT/CdSe quantum dot modified glassy carbon electrode for the determination of clopidogrel bisulfate in tablet dosage form and serum samples. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 827, 51-57	4.1	9
46	Simultaneous determination and validation of some binary mixtures of antihypertensive drugs using ratio derivative spectrophotometric method. <i>Journal of Analytical Chemistry</i> , <b>2014</b> , 69, 935-941	1.1	8
45	Nanomaterials for Drug Delivery Systems <b>2019</b> , 273-301		7
44	DEVELOPMENT AND VALIDATION OF A STABILITY-INDICATING RP-LC METHOD FOR THE DETERMINATION OF ANTICANCER DRUG EPIRUBICIN IN PHARMACEUTICALS. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2014</b> , 37, 1583-1596	1.3	7
43	Development and in vitro/in vivo evaluation of dihydroergotamine mesylate loaded maltodextrin-pullulan sublingual films. <i>Drug Development and Industrial Pharmacy</i> , <b>2019</b> , 45, 914-921	3.6	6
42	Electrochemical Determination of Non-Steroidal Anti-Inflammatory Drugs. <i>Current Analytical Chemistry</i> , <b>2019</b> , 15, 485-501	1.7	6
41	Chemically Modified Electrodes in Electrochemical Drug Analysis. <i>Current Pharmaceutical Analysis</i> , <b>2020</b> , 16, 641-660	0.6	6
40	Simultaneous Determination and Drug Dissolution Testing of Combined Amlodipine Tablet Formulations Using RP-LC. <i>Chromatographia</i> , <b>2016</b> , 79, 1143-1151	2.1	6
39	Recent Advances on Drug Analyses Using Ultra Performance Liquid Chromatographic Techniques and their Application to the Biological Samples. <i>Current Analytical Chemistry</i> , <b>2019</b> , 15, 277-293	1.7	5
38	Graphene-Gold Nanoparticles Nanozyme-Based Electrochemical Sensor with Enhanced Laccase-Like Activity for Determination of Phenolic Substrates. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 067523	3.9	5
37	A Sensitive and Selective RP-LC Method for the Simultaneous Determination of the Antihypertensive Drugs, Enalapril, Lercanidipine, Nitrendipine and Their Validation. <i>Chromatographia</i> , <b>2013</b> , 76, 1477-1485	2.1	4
36	Carbon-based nanostructures for electrochemical analysis of oral medicines <b>2017</b> , 885-938		4
35	Modern Assay Techniques for Cancer Drugs: Electroanalytical and Liquid Chromatography Methods. <i>Critical Reviews in Analytical Chemistry</i> , <b>2019</b> , 49, 306-323	5.2	4
34	Introduction to Nanosensors <b>2019</b> , 1-46		3
33	The Effect of Nanomaterials on the Drug Analysis Performance of Nanosensors <b>2019</b> , 79-118		3
32	Chemical Nanosensors in Pharmaceutical Analysis <b>2019</b> , 141-170		3
31	Analysis of diterpenes and diterpenoids <b>2020</b> , 313-345		3
30	Nanobiodevices for electrochemical biosensing of pharmaceuticals <b>2018</b> , 291-330		3

29	A New Amperometric Biosensor for Diamine: Use of a Conducting Polymer Layer. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2013</b> , 50, 914-922	2.2	3
28	Electrochemical Analysis of Antipsychotics. <i>Current Pharmaceutical Analysis</i> , <b>2019</b> , 15, 413-428	0.6	3
27	A novel core-shell-based chromatographic method supported by ratio derivative spectrophotometry for the simultaneous determination of perindopril, indapamide, and amlodipine ternary mixtures. <i>Turkish Journal of Chemistry</i> , <b>2018</b> , 42, 1408-1419	1	3
26	Multi-Purpose electrochemical tyrosinase nanobiosensor based on poly (3,4 ethylenedioxythiophene) nanoparticles decorated graphene quantum dots: Applications to hormone drugs analyses and inhibition studies. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 343, 130164	8.5	3
25	Molecularly Imprinted Polymer-Based Nanosensors for Pharmaceutical Analysis <b>2019</b> , 231-271		2
24	Validation of Analytical Methods for the Assessment of Hazards in Food <b>2018</b> , 59-90		2
23	Current perspectives on drug release studies from polymeric nanoparticles <b>2018</b> , 101-145		2
22	LC/MS Method for the Sensitive Determination of Metoclopramide: Application to Rabbit Plasma, Gel Formulations and Pharmaceuticals. <i>Chromatographia</i> , <b>2014</b> , 77, 99-107	2.1	2
21	The Interaction between DNA and Three Intercalating Anthracyclines Using Electrochemical DNA Nanobiosensor Based on Metal Nanoparticles Modified Screen-Printed Electrode. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	2
20	Electrochemical Analysis for Pharmaceuticals by the Advantages of Metal Oxide Nanomaterials. <i>Current Analytical Chemistry</i> , <b>2021</b> , 17, 1322-1339	1.7	2
19	GC-MS Based Metabolic Profiling of Parkinson's Disease with Glutathione S-transferase M1 and T1 Polymorphism in Tunisian Patients. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2020</b> , 23, 1041-1048	1.3	2
18	Basics of Electrochemical Sensors. <i>Engineering Materials</i> , <b>2022</b> , 81-99	0.4	2
17	Photoelectrochemical Nanosensors <b>2019</b> , 197-229		1
16	Fortification of Functional and Medicinal Beverages With Botanical Products and Their Analysis <b>2019</b> , 351-404		1
15	Diffusion, Adsorption and Electrode Kinetics of Electro-oxidations on a Stationary Solid Electrode. <i>Electroanalysis</i> , <b>2016</b> , 28, 2947-2955	3	1
14	Simultaneous Determination of Hydrochlorothiazide and Irbesartan from Pharmaceutical Dosage Forms with RP-HPLC. <i>Turkish Journal of Pharmaceutical Sciences</i> , <b>2020</b> , 17, 523-527	1.1	1
13	Development and Validation of RP-LC Method for the Simultaneous Determination of Simvastatin and Ezetimibe in Fixed-Dose Combination Tablets and in Rabbit Serum. <i>Chromatographia</i> , <b>2019</b> , 82, 279-285	2.1	1
12	Enzyme-based electrochemical nanobiosensors using quantum dots <b>2021</b> , 307-339		1

11	Future prospects and concluding remarks for electroanalytical applications of quantum dots <b>2021</b> , 427-450	1
10	Phosphodiesterase-3 Enzyme Inhibitor Drug Milrinone Interaction with DNA and HSA: Electrochemical, Spectroscopic and Molecular Docking. <i>Journal of the Electrochemical Society</i> , <b>2022</b> , 169, 027521	3.9 1
9	Evaluation of the Interaction of Cinacalcet with Calf Thymus dsDNA: Use of Electrochemical, Spectrofluorimetric, and Molecular Docking Methods. <i>Biosensors</i> , <b>2022</b> , 12, 278	5.9 1
8	Molecularly Imprinted Polymer-Based Sensors for SARS-CoV-2: Where Are We Now?. <i>Biomimetics</i> , <b>2022</b> , 7, 58	3.7 1
7	Understanding electrooxidation mechanism of anticancer drugs utilizing ultrafast pump probe spectroscopy. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1262, 133071	3.4 0
6	Current Analytical Techniques and Applications in Pharmaceutical Analysis [Volume I] <i>Current Analytical Chemistry</i> , <b>2019</b> , 15, 184-185	1.7
5	Current Analytical Techniques and Applications in Pharmaceutical Analysis [Volume II] <i>Current Analytical Chemistry</i> , <b>2019</b> , 15, 322-323	1.7
4	Revisiting Pharmaceutical Analysis in the Light of New Technologies - Volume II. <i>Current Analytical Chemistry</i> , <b>2021</b> , 17, 1213-1214	1.7
3	Quantum dot-based electrochemical molecularly imprinted polymer sensors: potentials and challenges <b>2021</b> , 121-153	
2	Quantum dots: Synthesis and characterizations <b>2021</b> , 1-35	
1	Polymeric Nanofibers as Electrodes for Sensors. <i>Engineering Materials</i> , <b>2022</b> , 399-413	0.4