

Filiz Kuralay

List of Publications by Year in descending order

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65
papers

2,519
citations

218677

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197818

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all docs

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docs citations

67
times ranked

2944
citing authors

#	ARTICLE	IF	CITATIONS
1	Nucleic Acid Integrated Technologies for Electrochemical Point-of-Care Diagnostics: A Comprehensive Review. <i>Electroanalysis</i> , 2022, 34, 148-160.	2.9	7
2	Graphene supported poly(3-aminophenylboronic acid) surface via constant potential electrolysis for facile and sensitive paracetamol determination. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 633, 127846.	4.7	5
3	Functionalized nanomaterial- based electrochemical sensors for point-of-care devices. , 2022, , 309-335.		1
4	Platinum nanoparticles loaded carbon black: reduced graphene oxide hybrid platforms for label-free electrochemical DNA and oxidative DNA damage sensing. <i>Journal of Electroanalytical Chemistry</i> , 2022, 910, 116180.	3.8	5
5	WS2 integrated PEDOT:PSS interface as a sensitive and selective voltammetric epirubicin detection platform and a functional actuator. <i>Surfaces and Interfaces</i> , 2022, 30, 101839.	3.0	3
6	Current status of micro/nanomotors in drug delivery. <i>Journal of Drug Targeting</i> , 2021, 29, 29-45.	4.4	25
7	Electrochemical Determination of Mitomycin C and Its Interaction with Double-Stranded DNA Using a Poly(o-phenylenediamine)-Multi-Walled Carbon Nanotube Modified Pencil Graphite Electrode. <i>Analytical Letters</i> , 2021, 54, 1295-1308.	1.8	8
8	Gold-Nickel Nanowires as Nanomotors for Cancer Marker Biodetection and Chemotherapeutic Drug Delivery. <i>ACS Applied Nano Materials</i> , 2021, 4, 3377-3388.	5.0	37
9	MoS ₂ /Chitosan/GOx-Gelatin modified graphite surface: Preparation, characterization and its use for glucose determination. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 270, 115215.	3.5	13
10	Designing functional materials: DNA/Poly(3,4-ethylenedioxythiophene) interfaces for advanced DNA direct electrochemistry and DNA-Drug interaction detection. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 272, 115382.	3.5	6
11	A novel design thia-bilane structure-based molecular imprinted electrochemical sensor for sensitive and selective dopamine determination. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130425.	7.8	35
12	Chitosan functionalized gold-nickel bimetallic magnetic nanomachines for motion-based deoxyribonucleic acid recognition. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 370-377.	7.5	8
13	Achievements of Graphene and Its Derivatives Materials on Electrochemical Drug Assays and Drug-DNA Interactions.. <i>Critical Reviews in Analytical Chemistry</i> , 2021, , 1-22.	3.5	0
14	Fabrication of self-functionalized polymeric surfaces and their application in electrochemical acetaminophen detection. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49572.	2.6	6
15	RF plasma-enhanced conducting Polymer/W5O14 based self-propelled micromotors for miRNA detection. <i>Analytica Chimica Acta</i> , 2020, 1138, 69-78.	5.4	14
16	Direct Electrochemistry and Sensitive Detection of Guanosine on Nanopolymeric Surfaces Bearing Boronic Acid Groups. <i>ChemistrySelect</i> , 2020, 5, 9134-9142.	1.5	1
17	Polypyrrole-Based Nanohybrid Electrodes: Their Preparation and Potential Use for DNA Recognition and Paclitaxel Quantification. <i>ChemistrySelect</i> , 2020, 5, 4708-4714.	1.5	7
18	Ultrathin polypyrrole films on self-assembled monolayers as an efficient ultramicroelectrode assay. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49313.	2.6	2

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19	Electroactive polyglycine coatings for nanobiosensing applications: Label-free DNA hybridization, DNA-Antitumor agent interaction and antitumor agent determination. <i>Analytica Chimica Acta</i> , 2019, 1072, 15-24.	5.4	13
20	Highly sensitive and selective dopamine sensing in biological fluids with one-pot prepared graphene/poly(o-phenylenediamine) modified electrodes. <i>Materials Chemistry and Physics</i> , 2019, 228, 357-362.	4.0	22
21	Determination of hydrogen peroxide with an enzymeless amperometric sensor based on poly(vinylferrocene)-supported Ag nanoparticles. <i>Turkish Journal of Chemistry</i> , 2018, 42, 1755-1767.	1.2	2
22	Preparation of self-propelled Cu-Pt micromotors and their application in miRNA monitoring. <i>Turkish Journal of Chemistry</i> , 2018, 42, 1744-1754.	1.2	8
23	Poly-L-lysine Coated Surfaces for Ultrasensitive Nucleic Acid Detection. <i>Electroanalysis</i> , 2018, 30, 1556-1565.	2.9	27
24	Synergistic tungsten oxide/organic framework hybrid nanofibers for electrochromic device application. <i>Optical Materials</i> , 2017, 70, 171-179.	3.6	22
25	Electrochemical bacterial detection using poly(3-aminophenylboronic acid)-based imprinted polymer. <i>Biosensors and Bioelectronics</i> , 2017, 93, 87-93.	10.1	117
26	Biosensing applications of titanium dioxide coated graphene modified disposable electrodes. <i>Talanta</i> , 2016, 160, 325-331.	5.5	31
27	Electrochemistry of poly(5-phenyl dipyrromethane) and its characterization. <i>Polymer Bulletin</i> , 2015, 72, 867-879.	3.3	5
28	Preparation of gold nanoparticles/single-walled carbon nanotubes/polyaniline composite-coated electrode developed for DNA detection. <i>Polymer Bulletin</i> , 2015, 72, 3135-3146.	3.3	18
29	Poly(vinylferrocene)/Cellulose Acetate Fibers: A New Approach for In-Situ Monitoring Process Through QCM and Electrospinning Studies. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 544-550.	3.7	3
30	Hybrid Metallic Nanoparticles: Enhanced Bioanalysis and Biosensing via Carbon Nanotubes, Graphene, and Organic Conjugation. , 2015, , 137-166.		5
31	Polymer/carbon nanotubes coated graphite surfaces for highly sensitive nitrite detection. <i>Talanta</i> , 2015, 144, 1133-1138.	5.5	34
32	Poly(3,4-ethylenedioxythiophene) coated chitosan modified disposable electrodes for DNA and DNA-drug interaction sensing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 825-830.	5.0	34
33	Ultrasound-Propelled Nanoporous Gold Wire for Efficient Drug Loading and Release. <i>Small</i> , 2014, 10, 4154-4159.	10.0	196
34	DNA Biosensors. <i>Nanostructure Science and Technology</i> , 2014, , 313-330.	0.1	3
35	Disposable pencil graphite electrode modified with peptide nanotubes for Vitamin B12 analysis. <i>Applied Surface Science</i> , 2014, 303, 37-45.	6.1	48
36	Functionalized Ultrasound-Propelled Magnetically Guided Nanomotors: Toward Practical Biomedical Applications. <i>ACS Nano</i> , 2013, 7, 9232-9240.	14.6	386

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37	Cibacron Blue F3GA modified disposable pencil graphite electrode for the investigation of affinity binding to bovine serum albumin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 270-274.	5.0	10
38	Electrochemical characterization of redox polymer modified electrode developed for monitoring of adenine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 105, 1-6.	5.0	10
39	Fabrication of a Polyaniline Ultramicroelectrode via a Self Assembled Monolayer Modified Gold Electrode. <i>Sensors</i> , 2013, 13, 8079-8094.	3.8	8
40	Self-Propelled Carbohydrate-Sensitive Microtransporters with Built-In Boronic Acid Recognition for Isolating Sugars and Cells. <i>Journal of the American Chemical Society</i> , 2012, 134, 15217-15220.	13.7	125
41	Greatly extended storage stability of electrochemical DNA biosensors using ternary thiolated self-assembled monolayers. <i>Talanta</i> , 2012, 99, 155-160.	5.5	37
42	Sensitive sepiolite-carbon nanotubes based disposable electrodes for direct detection of DNA and anticancer drug-DNA interactions. <i>Analyst, The</i> , 2012, 137, 4001.	3.5	31
43	A Self-Powered "Sense-Act-Treat" System that is Based on a Biofuel Cell and Controlled by Boolean Logic. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2686-2689.	13.8	139
44	Single-walled carbon nanotubes-polymer modified graphite electrodes for DNA hybridization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 91, 77-83.	5.0	24
45	Highly sensitive disposable nucleic acid biosensors for direct bioelectronic detection in raw biological samples. <i>Talanta</i> , 2011, 85, 1330-1337.	5.5	45
46	The Recent Electrochemical Biosensor Technologies for Monitoring of Nucleic Acid Hybridization. <i>Current Analytical Chemistry</i> , 2011, 7, 63-70.	1.2	11
47	A novel polypyrrole-phenylboronic acid based electrochemical saccharide sensor. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 405-411.	7.8	37
48	Ternary monolayers as DNA recognition interfaces for direct and sensitive electrochemical detection in untreated clinical samples. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3577-3583.	10.1	110
49	Interaction of Mitomycin C with DNA Immobilized onto Single-walled Carbon Nanotube/Polymer Modified Pencil Graphite Electrode. <i>Electroanalysis</i> , 2011, 23, 2343-2349.	2.9	17
50	Carbon nanotube-chitosan modified disposable pencil graphite electrode for Vitamin B12 analysis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 87, 18-22.	5.0	66
51	Preparation and characterization of zinc oxide nanoparticles and their sensor applications for electrochemical monitoring of nucleic acid hybridization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 86, 397-403.	5.0	61
52	Functionalized Micromachines for Selective and Rapid Isolation of Nucleic Acid Targets from Complex Samples. <i>Nano Letters</i> , 2011, 11, 2083-2087.	9.1	216
53	Electrochemical DNA Detection Using Carbon Nanotubes. <i>Current Physical Chemistry</i> , 2011, 1, 325-333.	0.2	4
54	Electrochemical DNA Detection Using Carbon Nanotubes. <i>Current Physical Chemistry</i> , 2011, 1, 325-333.	0.2	1

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55	Characterization of poly(vinylferrocenium) coated surfaces and their applications in DNA sensor technology. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 2039-2050.	2.9	11
56	Preparation and physical/electrochemical characterization of carbon nanotube-chitosan modified pencil graphite electrode. <i>Applied Surface Science</i> , 2010, 257, 622-627.	6.1	30
57	Tin oxide nanoparticles-polymer modified single-use sensors for electrochemical monitoring of label-free DNA hybridization. <i>Talanta</i> , 2010, 82, 1680-1686.	5.5	34
58	Poly(vinylferrocenium) coated disposable pencil graphite electrode for DNA hybridization. <i>Electrochemistry Communications</i> , 2009, 11, 1242-1246.	4.7	32
59	Characterization of redox polymer based electrode and electrochemical behavior for DNA detection. <i>Analytica Chimica Acta</i> , 2009, 643, 83-89.	5.4	25
60	Indicator-based and indicator-free magnetic assays connected with disposable electrochemical nucleic acid sensor system. <i>Talanta</i> , 2009, 78, 187-192.	5.5	19
61	Constant Current Chronopotentiometry and Voltammetry of Native and Denatured Serum Albumin at Mercury and Carbon Electrodes. <i>Electroanalysis</i> , 2008, 20, 1406-1413.	2.9	38
62	Electrochemical Biosensing of DNA Immobilized Poly(Vinylferrocenium) Modified Electrode. <i>Electroanalysis</i> , 2008, 20, 2563-2570.	2.9	26
63	Inhibitive determination of Hg ²⁺ ion by an amperometric urea biosensor using poly(vinylferrocenium) film. <i>Enzyme and Microbial Technology</i> , 2007, 40, 1156-1159.	3.2	45
64	Amperometric enzyme electrode for urea determination using immobilized urease in poly(vinylferrocenium) film. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 500-506.	7.8	65
65	Potentiometric enzyme electrode for urea determination using immobilized urease in poly(vinylferrocenium) film. <i>Sensors and Actuators B: Chemical</i> , 2005, 109, 194-199.	7.8	78