

Guzel Ziyatdinova

List of Publications by Year in descending order

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120
papers

2,030
citations

218381

26
h-index

377514

34
g-index

121
all docs

121
docs citations

121
times ranked

1582
citing authors

#	ARTICLE	IF	CITATIONS
1	Voltammetric determination of curcumin in spices. <i>Journal of Analytical Chemistry</i> , 2012, 67, 591-594.	0.4	62
2	Selective electrochemical sensor based on the electropolymerized p-coumaric acid for the direct determination of l-cysteine. <i>Electrochimica Acta</i> , 2018, 270, 369-377.	2.6	61
3	Disposable Electrochemical Biosensor with Multiwalled Carbon Nanotubes-Chitosan Composite Layer for the Detection of Deep DNA Damage. <i>Analytical Sciences</i> , 2008, 24, 711-716.	0.8	57
4	Natural phenolic antioxidants in bioanalytical chemistry: state of the art and prospects of development. <i>Russian Chemical Reviews</i> , 2015, 84, 194-224.	2.5	54
5	Electrooxidation of morin on glassy carbon electrode modified by carboxylated single-walled carbon nanotubes and surfactants. <i>Electrochimica Acta</i> , 2014, 145, 209-216.	2.6	50
6	Differential Pulse Voltammetric Assay of Coffee Antioxidant Capacity with MWNT-Modified Electrode. <i>Food Analytical Methods</i> , 2013, 6, 1629-1638.	1.3	42
7	Electrochemical oxidation of sulfur-containing amino acids on an electrode modified with multi-walled carbon nanotubes. <i>Mikrochimica Acta</i> , 2009, 165, 353-359.	2.5	41
8	Cyclic voltammetry of natural flavonoids on MWNT-modified electrode and their determination in pharmaceuticals. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 1619-1631.	1.0	38
9	Voltammetric detection of synthetic water-soluble phenolic antioxidants using carbon nanotube based electrodes. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 127-134.	1.2	37
10	Electroanalysis of antioxidants in pharmaceutical dosage forms: state-of-the-art and perspectives. <i>Monatshefte für Chemie</i> , 2015, 146, 741-753.	0.9	36
11	Poly(gallic acid)/MWNT-modified electrode for the selective and sensitive voltammetric determination of quercetin in medicinal herbs. <i>Journal of Electroanalytical Chemistry</i> , 2018, 821, 73-81.	1.9	36
12	The application of coulometry for total antioxidant capacity determination of human blood. <i>Talanta</i> , 2006, 68, 800-805.	2.9	34
13	Determination of captopril in pharmaceutical forms by stripping voltammetry. <i>Journal of Analytical Chemistry</i> , 2006, 61, 798-800.	0.4	34
14	Application of surfactants in voltammetric analysis. <i>Journal of Analytical Chemistry</i> , 2012, 67, 869-879.	0.4	34
15	Cyclic Voltammetry of Retinol in Surfactant Media and Its Application for the Analysis of Real Samples. <i>Electroanalysis</i> , 2010, 22, 2708-2713.	1.5	32
16	Complex electrochemical and impedimetric evaluation of DNA damage by using DNA biosensor based on a carbon screen-printed electrode. <i>Analytical Methods</i> , 2011, 3, 2777.	1.3	32
17	Hydrogen Sulfide Alleviates Anxiety, Motor, and Cognitive Dysfunctions in Rats with Maternal Hyperhomocysteinemia via Mitigation of Oxidative Stress. <i>Biomolecules</i> , 2020, 10, 995.	1.8	32
18	Electrochemical Sensors Based on the Electropolymerized Natural Phenolic Antioxidants and Their Analytical Application. <i>Sensors</i> , 2021, 21, 8385.	2.1	31

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19	Reactions of superoxide anion radical with antioxidants and their use in voltammetry. <i>Journal of Analytical Chemistry</i> , 2005, 60, 49-52.	0.4	30
20	Simultaneous voltammetric determination of phenolic antioxidants with chemometric approaches. <i>Electrochimica Acta</i> , 2014, 137, 114-120.	2.6	29
21	Chronocoulometry of wine on multi-walled carbon nanotube modified electrode: Antioxidant capacity assay. <i>Food Chemistry</i> , 2016, 196, 405-410.	4.2	29
22	Voltammetric sensing and quantification of eugenol using nonionic surfactant self-organized media. <i>Analytical Methods</i> , 2013, 5, 4750.	1.3	28
23	Surfactant/carbon nanofibers-modified electrode for the determination of vanillin. <i>Monatshefte für Chemie</i> , 2016, 147, 191-200.	0.9	28
24	Electrochemical determination of the total antioxidant capacity of human plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 1546-1551.	1.9	27
25	Novel Coulometric Approach to Evaluation of Total Free Polyphenols in Tea and Coffee Beverages in Presence of Milk Proteins. <i>Food Analytical Methods</i> , 2011, 4, 334-340.	1.3	27
26	Voltammetric evaluation of the antioxidant capacity of tea on electrodes modified with multi-walled carbon nanotubes. <i>Journal of Analytical Chemistry</i> , 2013, 68, 132-139.	0.4	27
27	Evaluation of the antioxidant properties of spices by cyclic voltammetry. <i>Journal of Analytical Chemistry</i> , 2014, 69, 990-997.	0.4	27
28	Chronoamperometric estimation of cognac and brandy antioxidant capacity using MWNT modified glassy carbon electrode. <i>Talanta</i> , 2014, 125, 378-384.	2.9	27
29	Highly Sensitive Amperometric Sensor for Eugenol Quantification Based on CeO ₂ Nanoparticles and Surfactants. <i>Electroanalysis</i> , 2017, 29, 1197-1204.	1.5	27
30	Polyquercetin/MWNT modified Electrode for the Determination of Natural Phenolic Antioxidants. <i>Electroanalysis</i> , 2017, 29, 2610-2619.	1.5	27
31	Voltammetric Determination of Thymol in Oregano Using CeO ₂ -Modified Electrode in Brij® 35 Micellar Medium. <i>Food Analytical Methods</i> , 2017, 10, 129-136.	1.3	25
32	Electrochemical Determination of Lipoic Acid. <i>Journal of Analytical Chemistry</i> , 2004, 59, 288-290.	0.4	24
33	Voltammetric determination of β -carotene in raw vegetables and berries in Triton X100 media. <i>Talanta</i> , 2012, 99, 1024-1029.	2.9	24
34	Amperometric sensor based on MWNT and electropolymerized carminic acid for the simultaneous quantification of TBHQ and BHA. <i>Journal of Electroanalytical Chemistry</i> , 2020, 859, 113885.	1.9	23
35	Electrochemical determination of unithiol and lipoic acid at electrodes modified with carbon nanotubes. <i>Journal of Analytical Chemistry</i> , 2009, 64, 185-188.	0.4	22
36	Ultrasound-assisted micellar extraction of phenolic antioxidants from spices and antioxidant properties of the extracts based on coulometric titration data. <i>Analytical Methods</i> , 2016, 8, 7150-7157.	1.3	22

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37	Simultaneous voltammetric determination of gallic and ellagic acids in cognac and brandy using electrode modified with functionalized SWNT and poly(pyrocatechol violet). <i>Food Analytical Methods</i> , 2019, 12, 2250-2261.	1.3	22
38	Coulometric titration with electrogenerated oxidants as a tool for evaluation of cognac and brandy antioxidant properties. <i>Food Chemistry</i> , 2014, 150, 80-86.	4.2	21
39	Hydrogen Sulfide Ameliorates Developmental Impairments of Rat Offspring with Prenatal Hyperhomocysteinemia. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-13.	1.9	21
40	Voltammetric determination of capsaicin using CeO ₂ -surfactant/SWNT-modified electrode. <i>Arabian Journal of Chemistry</i> , 2020, 13, 1624-1632.	2.3	21
41	Simultaneous Voltammetric Determination of Flavanones Using an Electrode Based on Functionalized Single-Walled Carbon Nanotubes and Polyaluminum. <i>Analytical Letters</i> , 2020, 53, 2170-2189.	1.0	21
42	Simultaneous determination of TBHQ and BHA on a MWNT-Brij® 35 modified electrode in micellar media. <i>Analytical Methods</i> , 2015, 7, 8344-8351.	1.3	20
43	Surfactant media for constant-current coulometry. Application for the determination of antioxidants in pharmaceuticals. <i>Analytica Chimica Acta</i> , 2012, 744, 23-28.	2.6	18
44	MWNT-modified electrodes for voltammetric determination of lipophilic vitamins. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 2441-2447.	1.2	17
45	Novel approach for the voltammetric evaluation of antioxidant activity using DPPH -modified electrode. <i>Electrochimica Acta</i> , 2017, 247, 97-106.	2.6	17
46	Selective Determination of Total Capsaicinoids in Plant Material Using Poly(Gallic Acid)-modified Electrode. <i>Electroanalysis</i> , 2019, 31, 222-230.	1.5	17
47	Selective voltammetric determination of α -lipoic acid on the electrode modified with SnO ₂ nanoparticles and cetyltriphenylphosphonium bromide. <i>Monatshefte für Chemie</i> , 2019, 150, 401-410.	0.9	17
48	Voltammetric determination of papaverine and drotaverine. <i>Journal of Analytical Chemistry</i> , 2007, 62, 773-776.	0.4	16
49	Electrogenerated bromine as a coulometric reagent for the estimation of the bioavailability of polyphenols. <i>Journal of Analytical Chemistry</i> , 2011, 66, 301-309.	0.4	16
50	Voltammetric Determination of Flavonoids in Medicinal Plant Materials Using Electrodes Modified by Cerium Dioxide Nanoparticles and Surfactants. <i>Journal of Analytical Chemistry</i> , 2019, 74, 816-824.	0.4	16
51	Voltammetric Determination of Quercetin and Rutin on Their Simultaneous Presence on an Electrode Modified with Polythymolphthalein. <i>Journal of Analytical Chemistry</i> , 2020, 75, 526-535.	0.4	16
52	Biosensor with Protective Membrane for the Detection of DNA Damage and Antioxidant Properties of Fruit Juices. <i>Electroanalysis</i> , 2012, 24, 2333-2340.	1.5	15
53	Voltammetric determination of α -tocopherol in the presence of surfactants. <i>Journal of Analytical Chemistry</i> , 2012, 67, 467-473.	0.4	15
54	Electropolymerized Eugenol-MWNT-Based Electrode for Voltammetric Evaluation of Wine Antioxidant Capacity. <i>Electroanalysis</i> , 2015, 27, 1660-1668.	1.5	15

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55	Chronocoulometric method for the evaluation of antioxidant capacity of medicinal plant tinctures. <i>Analytical Methods</i> , 2018, 10, 4995-5003.	1.3	15
56	First Order Derivative Voltammetry on the <i>in situ</i> Surfactant Modified Electrode for Naringin Quantification. <i>Electroanalysis</i> , 2019, 31, 2130-2137.	1.5	15
57	Electrochemical determination of synthetic antioxidants of bisdithiophosphonic acids. <i>Journal of Analytical Chemistry</i> , 2010, 65, 1273-1279.	0.4	14
58	Electrochemical reduction and quantification of menadione in sodium dodecyl sulfate micellar media. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2679-2685.	1.2	14
59	Effects of Maternal Hyperhomocysteinemia on the Early Physical Development and Neurobehavioral Maturation of Rat Offspring. <i>BioNanoScience</i> , 2017, 7, 155-158.	1.5	14
60	Voltammetric Determination of Hesperidin on the Electrode Modified with SnO ₂ Nanoparticles and Surfactants. <i>Electroanalysis</i> , 2021, 33, 2417-2427.	1.5	14
61	Title is missing!. <i>Journal of Analytical Chemistry</i> , 2002, 57, 353-355.	0.4	13
62	Determination of Some Liposoluble Antioxidants by Coulometry and Voltammetry. <i>Journal of Analytical Chemistry</i> , 2004, 59, 654-658.	0.4	13
63	Voltammetric determination of sterically hindered phenols in surfactant-based self-organized media. <i>Journal of Analytical Chemistry</i> , 2014, 69, 750-757.	0.4	13
64	New Electrochemistry-Based Approaches to Brandy Quality Evaluation Using Antioxidant Parameters. <i>Food Analytical Methods</i> , 2015, 8, 1794-1803.	1.3	13
65	An Amperometric Sensor Based on Tin Dioxide and Cetylpyridinium Bromide Nanoparticles for the Determination of Vanillin. <i>Journal of Analytical Chemistry</i> , 2018, 73, 801-808.	0.4	13
66	Antioxidants As Analytes in Analytical Chemistry. <i>Journal of Analytical Chemistry</i> , 2005, 60, 600-613.	0.4	12
67	Galvanostatic coulometry in the analysis of natural polyphenols and its use in pharmacy. <i>Journal of Analytical Chemistry</i> , 2010, 65, 1176-1180.	0.4	12
68	Analytical Capabilities of Coulometric Sensor Systems in the Antioxidants Analysis. <i>Chemosensors</i> , 2021, 9, 91.	1.8	12
69	Simultaneous Determination of Ferulic Acid and Vanillin in Vanilla Extracts Using Voltammetric Sensor Based on Electropolymerized Bromocresol Purple. <i>Sensors</i> , 2022, 22, 288.	2.1	12
70	Electrochemical Determination of Glutathione. <i>Journal of Analytical Chemistry</i> , 2004, 59, 573-576.	0.4	11
71	Voltammetric determination of flavonols in pharmaceuticals. <i>Pharmaceutical Chemistry Journal</i> , 2005, 39, 561-563.	0.3	11
72	Application of constant-current coulometry for estimation of plasma total antioxidant capacity and its relationship with transition metal contents. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 40, 958-963.	1.4	11

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73	Reactions of synthetic phenolic antioxidants with electrogenerated titrants and their analytical applications. <i>Journal of Analytical Chemistry</i> , 2010, 65, 929-934.	0.4	11
74	Determination of Sterically Hindered Phenols and Î±-Tocopherol by Cyclic Voltammetry. <i>Analytical Letters</i> , 2012, 45, 1670-1685.	1.0	11
75	Probiotics for plants: NO-producing lactobacilli protect plants from drought. <i>Applied Biochemistry and Microbiology</i> , 2014, 50, 166-168.	0.3	11
76	An Electrode Based on Electropolymerized Sunset Yellow for the Simultaneous Voltammetric Determination of Chlorogenic and Ferulic Acids. <i>Journal of Analytical Chemistry</i> , 2021, 76, 371-380.	0.4	11
77	Electrochemical Sensors for the Simultaneous Detection of Phenolic Antioxidants. <i>Journal of Analytical Chemistry</i> , 2022, 77, 155-172.	0.4	11
78	Title is missing!. <i>Journal of Analytical Chemistry</i> , 2002, 57, 730-732.	0.4	10
79	Determination of the antioxidant capacity of the micellar extracts of spices in BrijÂ® 35 medium by differential pulse voltammetry. <i>Journal of Analytical Chemistry</i> , 2016, 71, 573-580.	0.4	10
80	Voltammetric Determinations of Thymol on an Electrode Modified by Coimmobilized Carboxylated Multiwalled Carbon Nanotubes and Surfactants. <i>Journal of Analytical Chemistry</i> , 2018, 73, 63-70.	0.4	10
81	Cerium(IV) and Iron(III) Oxides Nanoparticles Based Voltammetric Sensor for the Sensitive and Selective Determination of Lipoic Acid. <i>Sensors</i> , 2021, 21, 7639.	2.1	10
82	Voltammetric Determination of Tartrazine on an Electrode Modified with Cerium Dioxide Nanoparticles and Cetyltriphenylphosphonium Bromide. <i>Journal of Analytical Chemistry</i> , 2022, 77, 664-670.	0.4	10
83	Spice Antioxidants as Objects of Analytical Chemistry. <i>Journal of Analytical Chemistry</i> , 2018, 73, 946-965.	0.4	9
84	Discrimination of Tea by the Electrochemical Determination of its Antioxidant Properties by a Polyaniline â€“ DNA â€“ Polyphenazine Dye Modified Glassy Carbon Electrode. <i>Analytical Letters</i> , 2019, 52, 2562-2582.	1.0	9
85	The Selective Electrochemical Sensing of Naringin Using Electropolymerized Ellagic Acid Film. <i>Journal of the Electrochemical Society</i> , 2020, 167, 107502.	1.3	9
86	Determination of Some Catecholamines by Coulometric Titration and Cyclic Voltammetry. <i>Journal of Analytical Chemistry</i> , 2005, 60, 673-677.	0.4	8
87	Assessment of the antioxidant properties of micellar spice extracts by galvanostatic coulometry with electrogenerated hexacyanoferrate(III) ions. <i>Journal of Analytical Chemistry</i> , 2015, 70, 974-982.	0.4	8
88	Chronoamperometric evaluation of the antioxidant capacity of tea on a polyquercetin-modified electrode. <i>Journal of Analytical Chemistry</i> , 2017, 72, 382-389.	0.4	8
89	7. Carbon Nanomaterials and Surfactants as Electrode Surface Modifiers in Organic Electroanalysis. , 2018, , 223-252.		8
90	Novel modified electrode with immobilized galvinoxyl radical for the voltammetric determination of antioxidant activity. <i>Journal of Electroanalytical Chemistry</i> , 2020, 856, 113677.	1.9	8

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91	Voltammetric Sensor Based on SeO ₂ Nanoparticles and Surfactants for Indigo Carmine Determination. <i>Sensors</i> , 2022, 22, 3224.	2.1	8
92	Prenatal hyperhomocysteinemia induces oxidative stress and accelerates "aging" of mammalian neuromuscular synapses. <i>International Journal of Developmental Neuroscience</i> , 2019, 75, 1-12.	0.7	7
93	MWNT-Based Electrode for the Voltammetric Quantification of Carvacrol. <i>Food Analytical Methods</i> , 2021, 14, 401-410.	1.3	7
94	Use of galvanostatic coulometry for determining nitroxoline. <i>Journal of Analytical Chemistry</i> , 2007, 62, 957-959.	0.4	6
95	Coulometric determination of sulfur-containing amino acids using halogens as oxidizing titrants. <i>Journal of Analytical Chemistry</i> , 2007, 62, 1176-1179.	0.4	6
96	Ammonium-Charged Sterically Hindered Phenols with Antioxidant and Selective Anti-Gram-Positive Bacterial Activity. <i>Chemistry and Biodiversity</i> , 2020, 17, e2000147.	1.0	6
97	Sensitive voltammetric quantification of carminic acid in candies using selenium dioxide nanoparticles based electrode. <i>Food Chemistry</i> , 2022, 386, 132851.	4.2	5
98	Direct determination of hypoxen and its analogs by galvanostatic coulometry. <i>Journal of Analytical Chemistry</i> , 2007, 62, 260-262.	0.4	4
99	Evaluation of the antioxidant capacity of cognacs and brandies by differential pulse voltammetry. <i>Journal of Analytical Chemistry</i> , 2014, 69, 1165-1170.	0.4	4
100	Synthesis and Antioxidant Activity of Sterically Hindered Phenol Derivatives of Carboxy- and Sulfobetaines. <i>Russian Journal of General Chemistry</i> , 2018, 88, 68-72.	0.3	4
101	Determination of Serum Albumin in Blood by Constant-Current Coulometry Using Electrochemically Generated Oxidizers. <i>Journal of Analytical Chemistry</i> , 2004, 59, 659-661.	0.4	3
102	Quantitative estimation of benzyloquinoline derivatives by coulometric titration. <i>Pharmaceutical Chemistry Journal</i> , 2008, 42, 98-101.	0.3	3
103	Study of the composition of biologically active compounds in chaga meal. Perspectives of application of chaga meal in pharmaceutical industry. <i>Russian Journal of General Chemistry</i> , 2012, 82, 586-594.	0.3	3
104	Reactions of phenolic antioxidants with electrogenerated hexacyanoferrate(III) ions and their use in vegetable oils analysis. <i>Journal of Analytical Chemistry</i> , 2013, 68, 80-85.	0.4	3
105	Voltammetric Evaluation of Polyphenol-Protein Interactions and Their Influence on the Antioxidant Capacity of Tea. <i>Journal of Analytical Chemistry</i> , 2020, 75, 685-690.	0.4	3
106	An Electrode Based on Electropolymerized Naringin for Voltammetry. <i>Uchenye Zapiski Kazanskogo Gosudarstvennogo Universiteta: Seriya Estestvennye Nauki</i> , 2019, 161, 5-19.	0.1	3
107	Use of galvanostatic coulometry in the analysis of arbidol drug. <i>Journal of Analytical Chemistry</i> , 2012, 67, 269-272.	0.4	2
108	Chronoamperometric determination of synthetic phenolic antioxidants in Brij® 35 micellar medium. <i>Journal of Analytical Chemistry</i> , 2015, 70, 1501-1506.	0.4	2

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109	Micellar Extraction of Active Components from Spices and Evaluation of the Ce(IV)-Based Reducing Capacity of the Extracts. <i>Journal of Analytical Chemistry</i> , 2021, 76, 1065-1070.	0.4	2
110	Determination of Total Antioxidant Capacity of Human Plasma from Patients with Lung Diseases Using Constant-Current Coulometry. <i>Eurasian Journal of Analytical Chemistry</i> , 2006, 1, 19-30.	0.4	2
111	Polyelectrolyte Polyethylenimine-DNA Complexes in the Composition of Voltammetric Sensors for Detecting DNA Damage. <i>Journal of Analytical Chemistry</i> , 2022, 77, 185-194.	0.4	2
112	Clastogenesis and Aneuploidy in Children with Cerebral Palsy. <i>Bulletin of Experimental Biology and Medicine</i> , 2005, 139, 596-599.	0.3	1
113	Voltammetric Determination of Mexidol. <i>Pharmaceutical Chemistry Journal</i> , 2005, 39, 447-448.	0.3	1
114	Controlled-potential coulometry for the analysis of carboxylic acids. <i>Pharmaceutical Chemistry Journal</i> , 2009, 43, 360-362.	0.3	1
115	Chaga Extracts and Melanins After Plasma Treatment of Raw Material. <i>Uchenye Zapiski Kazanskogo Gosudarstvennogo Universiteta: Seriya Estestvennye Nauki</i> , 2019, 161, 211-221.	0.1	1
116	Comparison of the antioxidant activity of aqueous and ethanolic extracts from chaga (<i>Inonotus tinctus</i>). <i>Journal of Analytical Chemistry</i> , 2021, 76, 1065-1070.	0.3	0
117	Sensitive and Selective Voltammetric Sensors for the Simultaneous Quantification of Natural Phenolic Antioxidants in Cognac and Brandy. <i>Chemistry Proceedings</i> , 2021, 5, 1.	0.1	0
118	Poly(bromocresol purple)-Based Voltammetric Sensor for the Simultaneous Quantification of Ferulic Acid and Vanillin. <i>Chemistry Proceedings</i> , 2021, 5, .	0.1	0
119	Electrode Modified with Tin(IV) Oxide Nanoparticles and Surfactants as Sensitive Sensor for Hesperidin. , 2021, 5, .		0
120	Novel Electrodes Based on the Electropolymerized Nanocoatings for the Selective Voltammetric Quantification of Flavanones. , 0, , .		0