

Gennady A Evtugyn

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Acetylcholinesterase Biosensor Based on Reduced Graphene Oxide – Carbon Black Composite for Determination of Reversible Inhibitors. <i>Electroanalysis</i> , 2022, 34, 645-654.	2.9	4
2	Electrochemical Sensing of Idarubicin–DNA Interaction Using Electropolymerized Azure B and Methylene Blue Mediation. <i>Chemosensors</i> , 2022, 10, 33.	3.6	9
3	Flow-Through Electrochemical Biosensor with a Replaceable Enzyme Reactor and Screen-Printed Electrode for the Determination of Uric Acid and Tyrosine. <i>Analytical Letters</i> , 2022, 55, 1281-1295.	1.8	6
4	Polyelectrolyte Polyethylenimine–DNA Complexes in the Composition of Voltammetric Sensors for Detecting DNA Damage. <i>Journal of Analytical Chemistry</i> , 2022, 77, 185-194.	0.9	2
5	Pillar[6]arene: Electrochemistry and application in electrochemical (bio)sensors. <i>Journal of Electroanalytical Chemistry</i> , 2022, 913, 116281.	3.8	8
6	Electrochemical DNA Sensor Based on Carbon Black–Poly(Methylene Blue)–Poly(Neutral Red) Composite. <i>Biosensors</i> , 2022, 12, 329.	4.7	13
7	Electrochemical Aptasensors for Antibiotics Detection: Recent Achievements and Applications for Monitoring Food Safety. <i>Sensors</i> , 2022, 22, 3684.	3.8	14
8	Electrochemical Biosensor Based on Polyelectrolyte Complexes with Dendrimer for the Determination of Reversible Inhibitors of Acetylcholinesterase. <i>Analytical Letters</i> , 2021, 54, 1709-1728.	1.8	4
9	Metallo-Supramolecular Coordination Polymers Based on Amidopyridine Derivatives of Pillar[5]arene and Cu(II) and Pd(II) Cations: Synthesis and Recognition of Nitroaromatic Compounds. <i>Langmuir</i> , 2021, 37, 2942-2953.	3.5	10
10	Electrochemical DNA Sensor Based on Poly(Azure A) Obtained from the Buffer Saturated with Chloroform. <i>Sensors</i> , 2021, 21, 2949.	3.8	8
11	Electrochemistry of new derivatives of phenothiazine: Electrode kinetics and electropolymerization conditions. <i>Electrochimica Acta</i> , 2021, 375, 137985.	5.2	18
12	Recent Achievements in Electrochemical and Surface Plasmon Resonance Aptasensors for Mycotoxins Detection. <i>Chemosensors</i> , 2021, 9, 180.	3.6	11
13	Biomembrane mimetic electrochemical sensors. <i>Current Opinion in Electrochemistry</i> , 2021, 28, 100722.	4.8	2
14	Electrochemical DNA Sensor Based on Acridine Yellow Adsorbed on Glassy Carbon Electrode. <i>Sensors</i> , 2021, 21, 7763.	3.8	8
15	Electrochemical Sensing of Interactions between DNA and Charged Macrocycles. <i>Chemosensors</i> , 2021, 9, 347.	3.6	8
16	Aptamer-based biosensors for mycotoxin detection. , 2020, , 35-70.		7
17	Electrochemical Properties of Multilayered Coatings Implementing Thiocalix[4]arenes with Oligolactic Fragments and DNA. <i>Electroanalysis</i> , 2020, 32, 715-723.	2.9	5
18	Acetylcholinesterase Sensor Based on Polyelectrolyte Complexes with DNA Inclusion for the Determination of Reversible Inhibitors. <i>Electroanalysis</i> , 2020, 32, 308-316.	2.9	8

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19	Advances in Electrochemical Aptasensors Based on Carbon Nanomaterials. <i>Chemosensors</i> , 2020, 8, 96.	3.6	33
20	Impedimetric Determination of Kanamycin in Milk with Aptasensor Based on Carbon Black-Oligolactide Composite. <i>Sensors</i> , 2020, 20, 4738.	3.8	17
21	Electrochemical Aptasensors Based on Hybrid Metal-Organic Frameworks. <i>Sensors</i> , 2020, 20, 6963.	3.8	19
22	Electrochemical DNA Sensor Based on the Copolymer of Proflavine and Azure B for Doxorubicin Determination. <i>Nanomaterials</i> , 2020, 10, 924.	4.1	15
23	Electrochemical sensors and biosensors on the pillar[5]arene platform. <i>Russian Chemical Bulletin</i> , 2020, 69, 859-874.	1.5	11
24	Impedimetric DNA Sensor Based on Poly(proflavine) for Determination of Anthracycline Drugs. <i>Electroanalysis</i> , 2020, 32, 827-834.	2.9	15
25	Electrochemical behavior of the monomeric and polymeric forms of N-phenyl-3-(phenylimino)-3H-phenothiazin-7-amine. <i>Electrochimica Acta</i> , 2020, 345, 136195.	5.2	13
26	Modification of Oligo- and Polylactides With Macrocyclic Fragments: Synthesis and Properties. <i>Frontiers in Chemistry</i> , 2019, 7, 554.	3.6	9
27	Phenyliminophenothiazine based self-organization of polyaniline nanowires and application as redox probe in electrochemical sensors. <i>Scientific Reports</i> , 2019, 9, 417.	3.3	9
28	Electrochemical DNA Sensors with Layered Polyanilineâ€”DNA Coating for Detection of Specific DNA Interactions. <i>Sensors</i> , 2019, 19, 469.	3.8	25
29	Electrochemical Acetylcholinesterase Biosensor Based on Polylactideâ€”Nanosilver Composite for the Determination of Anti-dementia Drugs. <i>Analytical Letters</i> , 2019, 52, 1558-1578.	1.8	9
30	Electrochemical Aptasensor with Layerâ€”Layer Deposited Polyaniline for Aflatoxin M1 Voltammetric Determination. <i>Electroanalysis</i> , 2019, 31, 1913-1924.	2.9	15
31	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.	1.8	9
32	Electrochemical Sensor Based on Poly(Azure B)-DNA Composite for Doxorubicin Determination. <i>Sensors</i> , 2019, 19, 2085.	3.8	26
33	Electrochemical Immuno- and Aptasensors for Mycotoxin Determination. <i>Chemosensors</i> , 2019, 7, 10.	3.6	40
34	DNA-Polylactide Modified Biosensor for Electrochemical Determination of the DNA-Drugs and Aptamer-Aflatoxin M1 Interactions. <i>Sensors</i> , 2019, 19, 4962.	3.8	13
35	SPR sensor based on polyelectrolyte complexes with DNA inclusion. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 574-581.	7.8	12
36	Electrochemical biosensor based on polyelectrolyte complexes for the determination of reversible inhibitors of acetylcholinesterase. <i>Talanta</i> , 2019, 194, 723-730.	5.5	25

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37	Electrochemical Determination of Malathion on an Acetylcholinesterase-Modified Glassy Carbon Electrode. <i>Analytical Letters</i> , 2018, 51, 1911-1926.	1.8	10
38	Electrochemical Aptasensor Based on Poly(Neutral Red) and Carboxylated Pillar[5]arene for Sensitive Determination of Aflatoxin M1. <i>Electroanalysis</i> , 2018, 30, 486-496.	2.9	39
39	Glassy Carbon Electrode Modified with Silver Nanodendrites Implemented in Poly(lactide- <i>co</i> -thiacalix[4]arene Copolymer for the Electrochemical Determination of Tryptophan. <i>Electroanalysis</i> , 2018, 30, 641-649.	2.9	15
40	8. Nanomaterials in the Assembly of Electrochemical DNA Sensors. , 2018, , 253-300.		0
41	Solid Contact Potentiometric Sensors Based on a New Class of Ionic Liquids on Thiacalixarene Platform. <i>Frontiers in Chemistry</i> , 2018, 6, 594.	3.6	9
42	Electrochemical DNA Sensor Based on Carbon Black- <i>co</i> -Poly(Neutral Red) Composite for Detection of Oxidative DNA Damage. <i>Sensors</i> , 2018, 18, 3489.	3.8	29
43	Affinity Biosensors for Detection of Mycotoxins in Food. <i>Advances in Food and Nutrition Research</i> , 2018, 85, 263-310.	3.0	10
44	Voltammetric Sensor with Replaceable Polyaniline- <i>co</i> -DNA Layer for Doxorubicin Determination. <i>Electroanalysis</i> , 2018, 30, 2284-2292.	2.9	14
45	Solid-Contact Potentiometric Sensors and Multisensors Based on Polyaniline and Thiacalixarene Receptors for the Analysis of Some Beverages and Alcoholic Drinks. <i>Frontiers in Chemistry</i> , 2018, 6, 134.	3.6	13
46	Electroanalytical Bioplatfroms Based on Carbon Nanostructures as New Tools for Diagnosis. , 2018, , 269-306.		1
47	Co-polymers of oligolactic acid and tetrasubstituted thiacalix[4]arenes as a new material for electrochemical sensor development. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 136-145.	7.8	17
48	An electrochemical aptasensor for cytochrome C, based on pillar[5]arene modified with Neutral Red. <i>Journal of Analytical Chemistry</i> , 2017, 72, 375-381.	0.9	7
49	Electrochemical DNA sensors based on spatially distributed redox mediators: challenges and promises. <i>Pure and Applied Chemistry</i> , 2017, 89, 1471-1490.	1.9	8
50	Biosensors for detection mycotoxins and pathogenic bacteria in food. , 2017, , 35-92.		5
51	Organic Acid and DNA Sensing with Electrochemical Sensor Based on Carbon Black and Pillar[5]arene. <i>Electroanalysis</i> , 2016, 28, 1391-1400.	2.9	24
52	Biosensor to Ensure Food Security and Environmental Control. <i>Comprehensive Analytical Chemistry</i> , 2016, 74, 121-152.	1.3	2
53	Voltammetric Detection of Oxidative DNA Damage Based on Interactions between Polymeric Dyes and DNA. <i>Electroanalysis</i> , 2016, 28, 2956-2964.	2.9	15
54	Label-free electrochemical aptasensor for cytochrome c detection using pillar[5]arene bearing neutral red. <i>Sensors and Actuators B: Chemical</i> , 2016, 225, 57-65.	7.8	38

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55	Advances in lipid film based biosensors. TrAC - Trends in Analytical Chemistry, 2016, 79, 210-221.	11.4	19
56	Electrochemical DNA sensors and aptasensors based on electropolymerized materials and polyelectrolyte complexes. TrAC - Trends in Analytical Chemistry, 2016, 79, 168-178.	11.4	52
57	Biosensors for Detection of Anticholinesterase Agents. Advanced Sciences and Technologies for Security Applications, 2016, , 349-384.	0.5	3
58	Electrochemical Biosensors Based on Native DNA and Nanosized Mediator for the Detection of Anthracycline Preparations. Electroanalysis, 2015, 27, 629-637.	2.9	34
59	Impedimetric Detection of DNA Damage with the Sensor Based on Silver Nanoparticles and Neutral Red. Electroanalysis, 2015, 27, 2800-2808.	2.9	24
60	Polyanilineâ€DNA based sensor for the detection of anthracycline drugs. Sensors and Actuators B: Chemical, 2015, 220, 573-582.	7.8	41
61	Acetylcholinesterase biosensor for inhibitor measurements based on glassy carbon electrode modified with carbon black and pillar[5]arene. Talanta, 2015, 144, 559-568.	5.5	52
62	Solidâ€Contact Potentiometric Sensor Based on Polyaniline and Unsubstituted Pillar[5]Arene. Electroanalysis, 2015, 27, 440-449.	2.9	26
63	ELECTROCHEMICAL BEHAVIOR OF PILLAR[5]ARENE ON GLASSY CARBON ELECTRODE AND ITS INTERACTION WITH Cu ²⁺ AND Ag ⁺ IONS. Electrochimica Acta, 2014, 147, 726-734.	5.2	35
64	Electrochemical DNA Sensors Based on Nanostructured Organic Dyes/DNA/Polyelectrolyte Complexes. Journal of Nanoscience and Nanotechnology, 2014, 14, 6738-6747.	0.9	27
65	How Does It Work? Case Studies. Lecture Notes in Quantum Chemistry II, 2014, , 207-242.	0.3	0
66	Cholinesterase sensor based on glassy carbon electrode modified with Ag nanoparticles decorated with macrocyclic ligands. Talanta, 2014, 127, 9-17.	5.5	51
67	Biosensor Signal Transducers. Lecture Notes in Quantum Chemistry II, 2014, , 99-205.	0.3	2
68	Biochemical Components Used in Biosensor Assemblies. Lecture Notes in Quantum Chemistry II, 2014, , 21-97.	0.3	3
69	Biosensors: Essentials. Lecture Notes in Quantum Chemistry II, 2014, , .	0.3	19
70	Electrochemical Aptasensor Based on Polycarboxylic Macrocyclic Modified with Neutral Red for Aflatoxin B1 Detection. Electroanalysis, 2014, 26, 2100-2109.	2.9	83
71	Simultaneous voltammetric determination of phenolic antioxidants with chemometric approaches. Electrochimica Acta, 2014, 137, 114-120.	5.2	29
72	Introduction and Overview of History. Lecture Notes in Quantum Chemistry II, 2014, , 1-20.	0.3	1

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73	Biosensor Prospects: Quo Vadis? (Conclusion). Lecture Notes in Quantum Chemistry II, 2014, , 243-250.	0.3	0
74	Electrochemical Aptasensor for the Determination of Ochratoxin A at the Au Electrode Modified with Ag Nanoparticles Decorated with Macrocyclic Ligand. Electroanalysis, 2013, 25, 1847-1854.	2.9	49
75	Impedimetric Aptasensor for Ochratoxin A Determination Based on Au Nanoparticles Stabilized with Hyper-Branched Polymer. Sensors, 2013, 13, 16129-16145.	3.8	56
76	Electrochemical Aptasensor Based on ZnO Modified Gold Electrode. Electroanalysis, 2013, 25, 1855-1863.	2.9	7
77	Biosensors for Pesticides and Foodborne Pathogens. Series in Sensors, 2013, , 605-680.	0.0	2
78	Label-free aptasensor for thrombin determination based on the nanostructured phenazine mediator. Talanta, 2012, 102, 156-163.	5.5	15
79	Nanomaterials in the Cholinesterase Biosensors for Inhibitor Determination. NATO Science for Peace and Security Series A: Chemistry and Biology, 2012, , 227-244.	0.5	1
80	Electrochemical DNA sensors based on electropolymerized materials. Talanta, 2012, 102, 137-155.	5.5	34
81	Electrochemical approach for acute myocardial infarction diagnosis based on direct antibodies-free analysis of human blood plasma. Biosensors and Bioelectronics, 2012, 33, 158-164.	10.1	18
82	Electrochemical Aptasensor Based on a Macrocyclic Ligand Bearing Neutral Red. Electroanalysis, 2012, 24, 91-100.	2.9	15
83	Cholinesterase Biosensors Based on Screen-Printed Electrodes Modified with Co-Phtalocyanine and Polycarboxylated Thiacalixarenes. Electroanalysis, 2012, 24, 554-562.	2.9	15
84	Molecular receptors and electrochemical sensors based on functionalized calixarenes. Russian Chemical Reviews, 2011, 79, 1071-1097.	6.5	20
85	A whole-cell amperometric herbicide biosensor based on magnetically functionalised microalgae and screen-printed electrodes. Analytical Methods, 2011, 3, 509.	2.7	72
86	Acetylcholinesterase biosensor based on single-walled carbon nanotubes-Co phtalocyanine for organophosphorus pesticides detection. Talanta, 2011, 85, 216-221.	5.5	97
87	Layer-by-Layer Polyelectrolyte Assembles Involving DNA as a Platform for DNA Sensors. Current Analytical Chemistry, 2011, 7, 8-34.	1.2	24
88	Potentiometric Sensors Based on Polyaniline and Thiacalixarenes for Green Tea Discrimination. Electroanalysis, 2011, 23, 1081-1088.	2.9	14
89	Dopamine Sensor Based on a Composite of Silver Nanoparticles Implemented in the Electroactive Matrix of Calixarenes. Electroanalysis, 2011, 23, 2281-2289.	2.9	30
90	Impedimetric Aptasensors Based on Carbon Nanotubes - Poly(methylene blue) Composite. Electroanalysis, 2010, 22, 2187-2195.	2.9	27

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91	Electrochemical nucleic acid-based biosensors: Concepts, terms, and methodology (IUPAC Technical) Tj ETQq1 1 0.784314 rgBT/Ove	1.9	200
92	Polyelectrolyte-Mediated Assembly of Multiwalled Carbon Nanotubes on Living Yeast Cells. Langmuir, 2010, 26, 2671-2679.	3.5	63
93	Discrimination of apple juice and herbal liqueur brands with solid-state electrodes covered with polyaniline and thiacalixarenes. Talanta, 2010, 82, 613-619.	5.5	17
94	Molecularly Imprinted Polymerized Methylene Green as a Platform for Electrochemical Sensing of Aptamer- α -Thrombin Interactions. Electroanalysis, 2009, 21, 1272-1277.	2.9	33
95	EQCM Biosensors Based on DNA Aptamers and Antibodies for Rapid Detection of Prions. Protein and Peptide Letters, 2009, 16, 363-367.	0.9	33
96	Potentiometric DNA Sensor Based on Electropolymerized Phenothiazines for Protein Detection. Electroanalysis, 2008, 20, 1300-1308.	2.9	39
97	Aptasensor for Thrombin Based on Carbon Nanotubes-Methylene Blue Composites. Electroanalysis, 2008, 20, 2310-2316.	2.9	29
98	Selectivity of solid-contact Ag potentiometric sensors based on thiacalix[4]arene derivatives. Talanta, 2008, 76, 441-447.	5.5	25
99	Amperometric Immunoassay of Azinphos-Methyl in Water and Honeybees Based on Indirect Competitive ELISA. Analytical Letters, 2008, 41, 392-405.	1.8	18
100	Aptabodies - New Type of Artificial Receptors for Detection Proteins. Protein and Peptide Letters, 2008, 15, 799-805.	0.9	32
101	Ag selective electrode based on glassy carbon electrode covered with polyaniline and thiacalix[4]arene as neutral carrier. Talanta, 2007, 71, 1720-1727.	5.5	46
102	Polyphenothiazine Modified Electrochemical Aptasensor for Detection of Human α -Thrombin. Electroanalysis, 2007, 19, 1915-1920.	2.9	27
103	Stable complexes of tertiary ammonia derivative of phenothiazine with tetramethylsulfonated resorcin[4]arenes obtained under substoichiometric conditions. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 59, 143-154.	1.6	8
104	Amperometric immunosensor for nonylphenol determination based on peroxidase indicating reaction. Biosensors and Bioelectronics, 2006, 22, 56-62.	10.1	32
105	Acetylcholinesterase sensor based on screen-printed carbon electrode modified with prussian blue. Analytical and Bioanalytical Chemistry, 2005, 383, 597-604.	3.7	114
106	Detection of aptamer-protein interactions using QCM and electrochemical indicator methods. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 291-295.	2.2	167
107	Amperometric DNA-Peroxidase Sensor for the Detection of Pharmaceutical Preparations. Sensors, 2005, 5, 364-376.	3.8	25
108	Bi-enzyme sensor based on thick-film carbon electrode modified with electropolymerized tyramine. Bioelectrochemistry, 2004, 63, 281-284.	4.6	19

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109	Acetylcholinesterase sensors based on gold electrodes modified with dendrimer and polyaniline. <i>Analytica Chimica Acta</i> , 2004, 514, 79-88.	5.4	94
110	Cholinesterase sensors based on screen-printed electrodes for detection of organophosphorus and carbamic pesticides. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 377, 624-631.	3.7	65
111	Affinity biosensors based on disposable screen-printed electrodes modified with DNA. <i>Analytica Chimica Acta</i> , 2003, 479, 125-134.	5.4	24
112	New polyaniline-based potentiometric biosensor for pesticides detection. <i>IEEE Sensors Journal</i> , 2003, 3, 333-340.	4.7	27
113	Polyaniline-modified cholinesterase sensor for pesticide determination. <i>Bioelectrochemistry</i> , 2002, 55, 75-77.	4.6	58
114	1,3-Disubstituted p-tert-Butylcalix[4]arenes as Cholinesterase Inhibitors. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2001, 39, 339-346.	1.6	6
115	Comparative investigation of electrochemical cholinesterase biosensors for pesticide determination. <i>Analytica Chimica Acta</i> , 2000, 404, 55-65.	5.4	82
116	Amperometric biosensors based on nafion coated screen-printed electrodes for the determination of cholinesterase inhibitors. <i>Talanta</i> , 2000, 53, 379-389.	5.5	102
117	Biosensors for the determination of environmental inhibitors of enzymes. <i>Russian Chemical Reviews</i> , 1999, 68, 1041-1064.	6.5	20
118	Amperometric flow-through biosensor for the determination of cholinesterase inhibitors. <i>Analytica Chimica Acta</i> , 1999, 385, 13-21.	5.4	54
119	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1999, 35, 361-367.	1.6	2
120	Sensitivity and selectivity of electrochemical enzyme sensors for inhibitor determination. <i>Talanta</i> , 1998, 46, 465-484.	5.5	136
121	Sensitivity and Selectivity of Electrochemical Biosensors for Inhibitor Determination. , 1998, , 239-253.		0
122	The application of cholinesterase potentiometric biosensor for preliminary screening of the toxicity of waste waters. <i>Electroanalysis</i> , 1997, 9, 1124-1128.	2.9	28
123	Influence of surface-active compounds on the response and sensitivity of cholinesterase biosensors for inhibitor determination. <i>Analyst, The</i> , 1996, 121, 1911.	3.5	49
124	Electrochemical biosensors for inhibitor determination: Selectivity and sensitivity control. <i>Electroanalysis</i> , 1996, 8, 817-820.	2.9	26