Arkady A Karyakin

List of Publications by Year
in descending order

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158 papers	9,120 citations	44066 48 h-index	42393 92 g-index
174 all docs	174 docs citations	174 times ranked	6617 citing authors

#	Article	IF	Citations
1	Prussian Blue and Its Analogues: Electrochemistry and Analytical Applications. Electroanalysis, 2001, 13, 813-819.	2.9	814
2	Prussian Blue-Based First-Generation Biosensor. A Sensitive Amperometric Electrode for Glucose. Analytical Chemistry, 1995, 67, 2419-2423.	6.5	435
3	Amperometric Biosensor for Glutamate Using Prussian Blue-Based â€œArtificial Peroxidaseâ€•as a Transducer for Hydrogen Peroxide. Analytical Chemistry, 2000, 72, 1720-1723.	6.5	402
4	Prussian Blue Based Nanoelectrode Arrays for H2O2Detection. Analytical Chemistry, 2004, 76, 474-478.	6.5	307
5	Prussian Blue-based `artificial peroxidase' as a transducer for hydrogen peroxide detection. Application to biosensors. Sensors and Actuators B: Chemical, 1999, 57, 268-273.	7.8	258
6	Electropolymerized Azines: A New Group of Electroactive Polymers. Electroanalysis, 1999, 11, 149-155.	2.9	248
7	On the mechanism of H2O2 reduction at Prussian Blue modified electrodes. Electrochemistry Communications, 1999, 1, 78-82.	4.7	235
8	Catalytically Synthesized Prussian Blue Nanoparticles Defeating Natural Enzyme Peroxidase. Journal of the American Chemical Society, 2018, 140, 11302-11307.	13.7	220
9	Self-doped polyanilines electrochemically active in neutral and basic aqueous solutions.. Journal of Electroanalytical Chemistry, 1994, 371, 259-265.	3.8	204
10	Oriented Immobilization of Antibodies onto the Gold Surfaces via Their Native Thiol Groups. Analytical Chemistry, 2000, 72, 3805-3811.	6.5	183
11	The electrocatalytic activity of Prussian blue in hydrogen peroxide reduction studied using a wall-jet electrode with continuous flow. Journal of Electroanalytical Chemistry, 1998, 456, 97-104.	3.8	175
12	Prussian-Blue-based amperometric biosensors in flow-injection analysis. Talanta, 1996, 43, 1597-1606.	5.5	172
13	A High-Sensitive Glucose Amperometric Biosensor Based on Prussian Blue Modified Electrodes. Analytical Letters, 1994, 27, 2861-2869.	1.8	165
14	Electroreduction of NAD+ to enzymatically active NADH at poly(neutral red) modified electrodes. Journal of Electroanalytical Chemistry, 1995, 399, 179-184.	3.8	152
15	PROCESSIBLE POLYANILINE AS AN ADVANCED POTENTIOMETRIC pH TRANSDUCER. APPLICATION TO BIOSENSORS. Analytical Chemistry, 1999, 71, 2534-2540.	6.5	149
16	Cholesterol Self-Powered Biosensor. Analytical Chemistry, 2014, 86, 9540-9547.	6.5	149
17	New amperometric dehydrogenase electrodes based on electrocatalytic NADH-oxidation at poly (methylene blue)-modified electrodes. Electroanalysis, 1994, 6, 821-829.	2.9	143
18	Electropolymerization of phenothiazine, phenoxazine and phenazine derivatives: Characterization of the polymers by UV-visible difference spectroelectrochemistry and Fourier transform IR spectroscopy. Journal of Electroanalytical Chemistry, 1995, 395, 221-232.	3.8	142

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19	Electropolymerized Azines: Part II. In a Search of the Best Electrocatalyst of NADH Oxidation. Electroanalysis, 1999, 11, 553-557.	2.9	140
20	Optimal Environment for Glucose Oxidase in Perfluorosulfonated Ionomer Membranes:Â Improvement of First-Generation Biosensors. Analytical Chemistry, 2002, 74, 1597-1603.	6.5	140
21	Noninvasive Diabetes Monitoring through Continuous Analysis of Sweat Using Flow-Through Glucose Biosensor. Analytical Chemistry, 2019, 91, 3778-3783.	6.5	135
22	Relationship between Lactate Concentrations in Active Muscle Sweat and Whole Blood. Bulletin of Experimental Biology and Medicine, 2010, 150, 83-85.	0.8	130
23	The electrochemical polymerization of methylene blue and bioelectrochemical activity of the resulting film. Bioelectrochemistry, 1993, 32, 35-43.	1.0	125
24	Superstable Advanced Hydrogen Peroxide Transducer Based on Transition Metal Hexacyanoferrates. Analytical Chemistry, 2011, 83, 2359-2363.	6.5	120
25	Development of biosensors based on hexacyanoferrates. Talanta, 2000, 52, 791-799.	5.5	118
26	Advances of Prussian blue and its analogues in (bio)sensors. Current Opinion in Electrochemistry, 2017, 5, 92-98.	4.8	114
27	Transition Metal Hexacyanoferrates in Electrocatalysis of H₂O₂ Reduction: An Exclusive Property of Prussian Blue. Analytical Chemistry, 2014, 86, 4131-4134.	6.5	103
28	Potentiometric biosensors based on polyaniline semiconductor films. Sensors and Actuators B: Chemical, 1996, 33, 34-38.	7.8	101
29	Nonenzymatic Sensor for Lactate Detection in Human Sweat. Analytical Chemistry, 2017, 89, 11198-11202.	6.5	96
30	Acetylcholinesterase sensors based on gold electrodes modified with dendrimer and polyaniline. Analytica Chimica Acta, 2004, 514, 79-88.	5.4	94
31	Electroactivity of chemically synthesized polyaniline in neutral and alkaline aqueous solutions. Journal of Electroanalytical Chemistry, 2003, 544, 59-63.	3.8	90
32	The influence of defects in polyaniline structure on its electroactivity: optimization of â€˜self-dopedâ€™ polyaniline synthesis. Journal of Electroanalytical Chemistry, 1996, 402, 217-219.	3.8	83
33	Sensor for Hydrogen Peroxide Based on Prussian Blue Modified Electrode. Improvement of the Operational Stability.. Analytical Sciences, 2000, 16, 795-798.	1.6	78
34	Improvement of Electrochemical Biosensors Using Enzyme Immobilization from Waterâˆ’Organic Mixtures with a High Content of Organic Solvent. Analytical Chemistry, 1996, 68, 4335-4341.	6.5	76
35	Equilibrium (NAD+/NADH) potential on poly(Neutral Red) modified electrode. Electrochemistry Communications, 2003, 5, 677-680.	4.7	73
36	Solâˆ’Gel Immobilization of Lactate Oxidase from Organic Solvent: Toward the Advanced Lactate Biosensor. Analytical Chemistry, 2010, 82, 1601-1604.	6.5	72

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37	Electrochemical Sensor with Record Performance Characteristics. Angewandte Chemie - International Edition, 2007, 46, 7678-7680.	13.8	70
38	Evaluation of glucose biosensors based on Prussian Blue and lyophilised, crystalline and cross-linked glucose oxidases (CLECÂ®). Talanta, 2001, 54, 963-974.	5.5	68
39	Mechanism of H2-electrooxidation with immobilized hydrogenase. Bioelectrochemistry, 1984, 12, 267-277.	1.0	63
40	Principles of direct (mediator free) bioelectrocatalysis. Bioelectrochemistry, 2012, 88, 70-75.	4.6	62
41	Currentâ€Free Deposition of Prussian Blue with Organic Polymers: Towards Improved Stability and Mass Production of the Advanced Hydrogen Peroxide Transducer. Electroanalysis, 2009, 21, 409-414.	2.9	61
42	Hydrogen fuel electrode based on bioelectrocatalysis by the enzyme hydrogenase. Electrochemistry Communications, 2002, 4, 417-420.	4.7	59
43	Hydrogenase electrodes for fuel cells. Biochemical Society Transactions, 2005, 33, 73-75.	3.4	59
44	Polyaniline-modified cholinesterase sensor for pesticide determination. Bioelectrochemistry, 2002, 55, 75-77.	4.6	58
45	Noninvasive Hypoxia Monitor Based on Gene-Free Engineering of Lactate Oxidase for Analysis of Undiluted Sweat. Analytical Chemistry, 2014, 86, 5215-5219.	6.5	55
46	Prussian Blue modified boron-doped diamond interfaces for advanced H2O2 electrochemical sensors. Electrochimica Acta, 2020, 339, 135924.	5.2	54
47	The Limiting Performance Characteristics in Bioelectrocatalysis of Hydrogenase Enzymes. Angewandte Chemie - International Edition, 2007, 46, 7244-7246.	13.8	52
48	Relationship Between Sweat and Blood Lactate Levels During Exhaustive Physical Exercise. ChemElectroChem, 2020, 7, 191-194.	3.4	50
49	Electropolymerized Flavin Adenine Dinucleotide as an Advanced NADH Transducer. Analytical Chemistry, 2004, 76, 2004-2009.	6.5	49
50	New materials based on nanostructured Prussian blue for development of hydrogen peroxide sensors. Sensors and Actuators B: Chemical, 2005, 109, 167-170.	7.8	48
51	Direct and electrically wired bioelectrocatalysis by hydrogenase from Thiocapsa roseopersicina. Bioelectrochemistry, 2002, 55, 169-171.	4.6	45
52	Bioelectrocatalytic hydrogen production by hydrogenase electrodes. International Journal of Hydrogen Energy, 2002, 27, 1501-1505.	7.1	45
53	Enhanced hydrogen peroxide sensing based on Prussian Blue modified macroporous microelectrodes. Electrochemistry Communications, 2013, 29, 78-80.	4.7	45
54	â€˜Artificial peroxidaseâ€™ nanozyme â€“ enzyme based lactate biosensor. Talanta, 2020, 208, 120393.	5.5	45

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55	Electroanalytical applications of Prussian Blue and its analogs. Russian Chemical Bulletin, 2001, 50, 1811-1817.	1.5	44
56	Electrosynthesis of poly-o-diaminobenzene on the Prussian Blue modified electrodes for improvement of hydrogen peroxide transducer characteristics. Bioelectrochemistry, 2002, 55, 145-148.	4.6	43
57	The improved potentiometric pH response of electrodes modified with processible polyaniline. Application to glucose biosensor. Analytical Communications, 1999, 36, 153-156.	2.2	40
58	Spontaneous and facilitated micelles formation at liquid|liquid interface: towards amperometric detection of redox inactive proteins. Electrochemistry Communications, 2003, 5, 329-333.	4.7	40
59	Can Nanoimpacts Detect Single-Enzyme Activity? Theoretical Considerations and an Experimental Study of Catalase Impacts. ACS Catalysis, 2016, 6, 8313-8320.	11.2	38
60	Simultaneous monitoring of sweat lactate content and sweat secretion rate by wearable remote biosensors. Biosensors and Bioelectronics, 2022, 202, 113970.	10.1	38
61	Electrochemical and sensing properties of Prussian Blue based nanozymes â€œartificial peroxidaseâ€. Journal of Electroanalytical Chemistry, 2020, 872, 114048.	3.8	37
62	Electroactivity of redox-inactive proteins at liquid|liquid interface. Journal of Electroanalytical Chemistry, 2005, 584, 110-116.	3.8	36
63	Polypyrroleâ€"Prussian Blue films with controlled level of doping: codeposition of polypyrrole and Prussian Blue. Journal of Electroanalytical Chemistry, 1994, 370, 301-303.	3.8	35
64	Tolerance to oxygen of hydrogen enzyme electrodes. Electrochemistry Communications, 2006, 8, 851-854.	4.7	34
65	Noiseless Performance of Prussian Blue Based (Bio)sensors through Power Generation. Analytical Chemistry, 2017, 89, 6290-6294.	6.5	34
66	A Novel Potentiometric Glucose Biosensor Based on Polyaniline Semiconductor Films. Analytical Letters, 1994, 27, 2871-2882.	1.8	31
67	Corrosion protection of steel by electropolymerized lignins. Electrochemistry Communications, 2006, 8, 60-64.	4.7	31
68	Wearable non-invasive monitors of diabetes and hypoxia through continuous analysis of sweat. Talanta, 2020, 215, 120922.	5.5	31
69	Oxygen Reduction at Soft Interfaces Catalyzed by Inâ€…Situâ€Generated Reduced Graphene Oxide. ChemElectroChem, 2014, 1, 59-63.	3.4	30
70	Nonconducting polymers on Prussian Blue modified electrodes: improvement of selectivity and stability of the advanced H/sub 2/O/sub 2/ transducer. IEEE Sensors Journal, 2003, 3, 326-332.	4.7	29
71	Diffusion controlled analytical performances of hydrogen peroxide sensors: Towards the sensor with the largest dynamic range. Electrochimica Acta, 2009, 54, 5048-5052.	5.2	29
72	Reagentless Biosensor Based on Glucose Oxidase Wired by the Mediator Freely Diffusing in Enzyme Containing Membrane. Analytical Chemistry, 2012, 84, 1220-1223.	6.5	29

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73	Electropolymerization of flavins and the properties of the resulting electroactive films. Electrochemistry Communications, 2004, 6, 120-125.	4.7	28
74	Label-Free Detection of DNA Hybridization at a Liquid|Liquid Interface. Analytical Chemistry, 2008, 80, 1336-1340.	6.5	28
75	Kinetic approach for evaluation of total antioxidant activity. Talanta, 2009, 80, 749-753.	5.5	28
76	Ironâ€“nickel hexacyanoferrate bilayer as an advanced electrocatalyst for H₂O₂reduction. RSC Advances, 2016, 6, 103328-103331.	3.6	28
77	New polyaniline-based potentiometric biosensor for pesticides detection. IEEE Sensors Journal, 2003, 3, 333-340.	4.7	27
78	Advanced electrochemical detection of amino acids and proteins through flow injection analysis and catalytic oxidation on Prussian Blue. Electrochimica Acta, 2020, 331, 135289.	5.2	27
79	Bioelectrocatalysis: the electrochemical kinetics of hydrogenase action. Journal of Biotechnology, 1993, 27, 331-339.	3.8	26
80	Investigation of the Effect of Different Glassy Carbon Materials on the Performance of Prussian Blue Based Sensors for Hydrogen Peroxide. Electroanalysis, 2003, 15, 175-182.	2.9	26
81	Reagentless Polyol Detection by Conductivity Increase in the Course of Self-Doping of Boronate-Substituted Polyaniline. Analytical Chemistry, 2014, 86, 11690-11695.	6.5	26
82	Glucose biosensors for clinical and personal use. Electrochemistry Communications, 2021, 125, 106973.	4.7	26
83	Non-aqueous enzymology approach for improvement of reagentless mediator-based glucose biosensorâ€. Analyst, The, 1998, 123, 1981-1985.	3.5	25
84	Surfactant bilayers for the direct electrochemical detection of affinity interactions. Bioelectrochemistry, 2002, 56, 91-93.	4.6	25
85	Ferrocenes inside cyclodextrin cavities do not mediate the electron transport between glucose oxidase and an electrode. Bioelectrochemistry, 1990, 24, 257-262.	1.0	24
86	Non-invasive monitoring of diabetes through analysis of the exhaled breath condensate (aerosol). Electrochemistry Communications, 2017, 83, 81-84.	4.7	23
87	The electrochemical polymerization of Methylene Blue and bioelectrochemical activity of the resulting film. Synthetic Metals, 1993, 60, 289-292.	3.9	22
88	Electrochemical transducers based on surfactant bilayers for the direct detection of affinity interactions. Biosensors and Bioelectronics, 2003, 18, 1031-1037.	10.1	22
89	Improvement of direct bioelectrocatalysis by cellobiose dehydrogenase on screen printed graphite electrodes using polyaniline modification. Bioelectrochemistry, 2009, 76, 87-92.	4.6	22
90	Thermodynamics of Ion Transfer Across the Liquid|Liquid Interface at a Solid Electrode Shielded with a Thin Layer of Organic Solvent. Journal of Physical Chemistry B, 2004, 108, 11591-11595.	2.6	21

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91	Improvement of hydrogenase enzyme activity by water-miscible organic solvents. Enzyme and Microbial Technology, 2009, 44, 329-333.	3.2	21
92	Prussian Blue-modified ultramicroelectrodes for mapping hydrogen peroxide in scanning electrochemical microscopy (SECM). Electrochemistry Communications, 2012, 23, 102-105.	4.7	21
93	Communicationâ€”Accessing Stability of Oxidase-Based Biosensors via Stabilizing the Advanced H₂O₂Transducer. Journal of the Electrochemical Society, 2017, 164, B3056-B3058.	2.9	19
94	Noninvasive monitoring of diabetes and hypoxia by wearable flow-through biosensors. Current Opinion in Electrochemistry, 2020, 23, 16-20.	4.8	19
95	Molecular imprinting of boronate functionalized polyaniline for enzyme-free selective detection of saccharides and hydroxy acids. Sensors and Actuators B: Chemical, 2017, 246, 428-433.	7.8	18
96	Protein extracting electrodes: Insights in the mechanism. Journal of Electroanalytical Chemistry, 2008, 623, 68-74.	3.8	17
97	The improvement of polyaniline glucose biosensor stability using enzyme immobilization from waterâ€“organic mixtures with a high content of organic solvent. Sensors and Actuators B: Chemical, 1997, 44, 356-360.	7.8	16
98	Improvement of enzyme electrocatalysis using substrate containing electroactive polymers. Towards limiting efficiencies of bioelectrocatalysis. Electrochimica Acta, 2010, 55, 7696-7700.	5.2	16
99	Hydrogen Peroxide Detection in Wet Air with a Prussian Blue Based Solid Salt Bridged Three Electrode System. Analytical Chemistry, 2013, 85, 2574-2577.	6.5	16
100	Iron triad-mate hexacyanoferrates as Prussian Blue stabilizers: Toward the advanced hydrogen peroxide transducer. Electrochimica Acta, 2014, 122, 173-179.	5.2	16
101	Rapid optimization of a lactate biosensor design using soft probes scanning electrochemical microscopy. Journal of Electroanalytical Chemistry, 2014, 731, 112-118.	3.8	16
102	Unsubstituted phenothiazine as a superior water-insoluble mediator for oxidases. Biosensors and Bioelectronics, 2014, 53, 275-282.	10.1	16
103	Coreâ€“Shell Nanozymes â€œArtificial Peroxidaseâ€ Stability with Superior Catalytic Properties. Journal of Physical Chemistry Letters, 2021, 12, 5547-5551.	4.6	16
104	Measuring the pH dependence of hydrogenase activities. Biochemistry (Moscow), 2007, 72, 968-973.	1.5	15
105	Determination of glucose and lactose in food products with the use of biosensors based on Berlin blue. Journal of Analytical Chemistry, 2007, 62, 388-393.	0.9	15
106	Catalytic Pathway of Nanozyme â€œArtificial Peroxidaseâ€•with 100-Fold Greater Bimolecular Rate Constants Compared to Those of the Enzyme. Journal of Physical Chemistry Letters, 2021, 12, 171-176.	4.6	15
107	Catalase Activity of Cytochrome c Oxidase Assayed with Hydrogen Peroxide-Sensitive Electrode Microsensor. Biochemistry (Moscow), 2010, 75, 1352-1360.	1.5	12
108	Self-Assembled Amphiphilic Bilayers of Surfactant Brij-52 on Gold Electrodes. Electroanalysis, 1999, 11, 1094-1097.	2.9	11

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109	Estimation of continuity of electroactive inorganic films based on apparent anti-Ohmic trend in their charge transfer resistance. Electrochimica Acta, 2016, 219, 588-591.	5.2	11
110	Constant Potential Amperometric Flow-Injection Analysis of Ions and Neutral Molecules Transduced by Electroactive (Conductive) Polymers. Analytical Chemistry, 2019, 91, 7495-7499.	6.5	11
111	Ultrastable Lactate Biosensor Linearly Responding in Whole Sweat for Noninvasive Monitoring of Hypoxia. Analytical Chemistry, 2022, 94, 9201-9207.	6.5	11
112	Ion Transport Across Liquid | Liquid Interfacial Boundaries Monitored at Generatorâ€Collector Electrodes. Electroanalysis, 2010, 22, 2889-2896.	2.9	10
113	Novel Reagentless Labelâ€Free Detection Principle for Affinity Interactions Resulted in Conductivity Increase of Conducting Polymer. Electroanalysis, 2015, 27, 2055-2062.	2.9	10
114	Tuning electropolymerization of boronate-substituted anilines: Fluoride-free synthesis of the advanced affinity transducer. Electrochemistry Communications, 2015, 51, 121-124.	4.7	10
115	Flow-electrochemical synthesis of Prussian Blue based nanozyme â€˜artificial peroxidaseâ€™. Dalton Transactions, 2021, 50, 11385-11389.	3.3	10
116	Improved Electroactivity of Redox Probes onto Electropolymerized Azidomethyl-PEDOT: Enabling Click Chemistry for Advanced (Bio)Sensors. ACS Applied Polymer Materials, 2021, 3, 1518-1524.	4.4	10
117	Nanozymes â€œArtificial Peroxidaseâ€: Enzyme Oxidase Mixtures for Singleâ€Step Fabrication of Advanced Electrochemical Biosensors. ChemElectroChem, 2021, 8, 1117-1122.	3.4	10
118	Direct Bioelectrocatalysis by NADP-Reducing Hydrogenase fromPyrococcus furiosus. Electroanalysis, 2007, 19, 2264-2266.	2.9	8
119	Coupled triple phase boundary processes: Liquidâ€“liquid generatorâ€“collector electrodes. Electrochemistry Communications, 2010, 12, 455-458.	4.7	8
120	Chemical and biological sensors based on electroactive inorganic polycrystals. , 2008, , 411-439.		7
121	Demonstration of hydrogenase electrode operation in a bioreactor. Enzyme and Microbial Technology, 2011, 49, 453-458.	3.2	7
122	Ultramicrosensors based on transition metal hexacyanoferrates for scanning electrochemical microscopy. Beilstein Journal of Nanotechnology, 2013, 4, 649-654.	2.8	7
123	Electrochemical Biosensor Powered by Preâ€concentration: Improved Sensitivity and Selectivity towards Lactate. Electroanalysis, 2016, 28, 2389-2393.	2.9	7
124	Reply to Comment on â€œCan Nanoimpacts Detect Single-Enzyme Activity? Theoretical Considerations and an Experimental Study of Catalase Impactsâ€. ACS Catalysis, 2017, 7, 3594-3596.	11.2	7
125	Prussian Blue based flow-through (bio)sensors in power generation mode: New horizons for electrochemical analyzers. Sensors and Actuators B: Chemical, 2019, 292, 284-288.	7.8	7
126	Thank you and very best wishes for 2011. Electroanalysis, 2011, 23, 3-3.	2.9	6

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127	Postgenomic chemistry (IUPAC Technical Report). Pure and Applied Chemistry, 2005, 77, 1641-1654.	1.9	5
128	Composite materials based on Prussian Blue nanoparticles and polypyrrole for design of a highly stable sensor for hydrogen peroxide. Doklady Physical Chemistry, 2012, 444, 75-78.	0.9	5
129	Reagentless Impedimetric Sensors Based on Aminophenylboronic Acids. Journal of Analytical Chemistry, 2019, 74, 153-171.	0.9	5
130	Pulmonary Oxidative Status in Norma and Pathologies on the Basis of Analysis of Exhaled Breath Condensate. American Journal of Biomedical Sciences, 0, , 365-372.	0.2	5
131	Nanozymes â€˜artificial peroxidaseâ€™ in reduction and detection of organic peroxides. Journal of Electroanalytical Chemistry, 2022, 904, 115902.	3.8	5
132	Bioelectrocatalysis by Hydrogenase Th. Roseopersicina Immobilized on Carbon Materials. Russian Journal of Electrochemistry, 2002, 38, 97-102.	0.9	4
133	Turning Cellulose Waste Into Electricity: Hydrogen Conversion by a Hydrogenase Electrode. PLoS ONE, 2013, 8, e83004.	2.5	4
134	Power Generation versus Conventional Potentiostatic Operation of Prussian Blue Based (Bio)Sensors. Electroanalysis, 2018, 30, 607-610.	2.9	4
135	Power output of Prussian Blue based (bio)sensors as a function of analyte concentration: Towards wake-up signaling systems. Journal of Electroanalytical Chemistry, 2019, 847, 113263.	3.8	4
136	Anchoring PQQ-Glucose Dehydrogenase with Electropolymerized Azines for the Most Efficient Bioelectrocatalysis. Analytical Chemistry, 2021, 93, 12116-12121.	6.5	4
137	Application of Prussian Blue modified carbon electrodes for amperometric detection of amyloid-Î² peptides by flow injection analysis. Electrochimica Acta, 2022, 406, 139829.	5.2	4
138	Scanning electrochemical microscopy: Visualization of local electrocatalytic activity of transition metals hexacyanoferrates. Russian Journal of Electrochemistry, 2016, 52, 1159-1165.	0.9	3
139	Reagentless Microsensor Based on Conducting Poly(3â€aminophenylboronic Acid) for Rapid Detection of Microorganisms in Aerosol. Electroanalysis, 2018, 30, 602-606.	2.9	3
140	Advanced electrochemical detection of nitrogenous bases, synthetic oligonucleotides, and single-stranded DNA through flow injection analysis and catalytic oxidation on Prussian Blue. Electrochimica Acta, 2021, 378, 138119.	5.2	3
141	Catalytic Properties of Hydrogenases. Russian Chemical Reviews, 1986, 55, 867-882.	6.5	2
142	Ferrocenes inside cyclodextrin cavities do not mediate the electron transport between glucose oxidase and an electrode. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1990, 299, 257-262.	0.1	2
143	Electrochemical polymerization of N-substituted pyrrols for the development of novel lactate biosensor. Moscow University Chemistry Bulletin, 2010, 65, 49-55.	0.6	2
144	Bioconversion of the cellulose containing waste into electricity through the intermediate hydrogen production. International Journal of Hydrogen Energy, 2012, 37, 10585-10589.	7.1	2

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145	Electrochemical detection of Penicillium chrysogenum based on increasing conductivity of polyaminophenylboric acid. Russian Journal of Electrochemistry, 2017, 53, 92-96.	0.9	2
146	Electropolymerization of 2-aminophenylboronic acid and the use of the resulting polymer for determination of sugars and oxyacids. Russian Journal of Electrochemistry, 2017, 53, 312-317.	0.9	2
147	Prussian Blue-Based Thin-Layer Flow-Injection Multibiosensor for Simultaneous Determination of Glucose and Lactate. Moscow University Chemistry Bulletin, 2018, 73, 216-222.	0.6	2
148	Flow injection amperometry as an alternative to potentiometry for solid contact ion-selective membrane-based electrodes.. Electrochimica Acta, 2021, 377, 138074.	5.2	2
149	Prussian Blue and Its Analogues: Electrochemistry and Analytical Applications. , 0, .		2
150	Foundations of a technology for the microbiological conversion of organic cellulose-containing wastes into electrical energy through the intermediate formation of biohydrogen. Catalysis in Industry, 2011, 3, 47-52.	0.7	1
151	Purification and characterization of azurin from the methylamine-utilizing obligate methylotroph Methylobacillus flagellatus KT. Canadian Journal of Microbiology, 2012, 58, 516-522.	1.7	1
152	Prussian Blue and Its Analogues: Electrochemistry and Analytical Applications. , 2001, 13, 813.		1
153	Hydrogen Enzyme Electrodes with Limiting Performance Characteristics. ECS Meeting Abstracts, 2008, , .	0.0	0
154	Liquid|Liquid Interface in Noncatalytic Biosensorics. ECS Meeting Abstracts, 2009, , .	0.0	0
155	Electroanalysis in Russia and Belorussia. Electroanalysis, 2011, 23, 1049-1049.	2.9	0
156	Thank You for Making Electroanalysis So Successful. Electroanalysis, 2012, 24, 3-3.	2.9	0
157	Guest Editorial:Electroanalysis: Full Coverage, Fully Online. Electroanalysis, 2014, 26, 2-3.	2.9	0
158	Core-Shell Iron-Nickel Hexacyanoferrate Nanoparticle-Based Sensors for Hydrogen Peroxide Scavenging Activity. Chemosensors, 2021, 9, 344.	3.6	0