

Zhiqiang Gao

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5343902/zhiqiang-gao-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

195
papers

12,055
citations

51
h-index

105
g-index

203
ext. papers

13,200
ext. citations

7.4
avg, IF

6.91
L-index

#	Paper	IF	Citations
195	A Label-Free Fluorescent Sensor Based on the Formation of Poly(thymine)-Templated Copper Nanoparticles for the Sensitive and Selective Detection of MicroRNA from Cancer Cells. <i>Chemosensors</i> , 2020 , 8, 52	4	3
194	Partially Reduced Holey Graphene Oxide as High Performance Anode for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1803215	21.8	68
193	Rapid, sensitive and highly specific label-free fluorescence biosensor for microRNA by branched rolling circle amplification. <i>Sensors and Actuators B: Chemical</i> , 2019 , 281, 424-431	8.5	14
192	A simple and ultrasensitive fluorescence assay for single-nucleotide polymorphism. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 3093-3100	4.4	6
191	Synthesis of Hierarchically Porous Nitrogen-Doped Carbon for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2017 , 4, 1059-1065	4.3	19
190	A Dual-Carbon Phase-Modified and Nanostructured Nickel Sulfide Anode for Sodium-Ion Batteries. <i>Energy Technology</i> , 2017 , 5, 580-587	3.5	5
189	Template-free formation of carbon nanotube-supported cobalt sulfide@carbon hollow nanoparticles for stable and fast sodium ion storage. <i>Journal of Power Sources</i> , 2017 , 339, 41-50	8.9	60
188	Heteroatom Doping Combined with Microstructured Carbon to Enhance the Performance of Sodium-Ion Batteries. <i>Energy Technology</i> , 2017 , 5, 481-488	3.5	16
187	Progress in Exosome Isolation Techniques. <i>Theranostics</i> , 2017 , 7, 789-804	12.1	826
186	Optical Microscopy for Detecting Binding on Small Molecule Microarrays. <i>Methods in Molecular Biology</i> , 2017 , 1518, 109-129	1.4	
185	Deoxyribonucleic acid glycosylase assays: Progress and prospects. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 83, 102-115	14.6	2
184	Highly sensitive detection of M.SssI DNA methyltransferase activity using a personal glucose meter. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 5867-5872	4.4	11
183	Electrochemical nucleic acid biosensors: from fabrication to application. <i>Analytical Methods</i> , 2016 , 8, 5169-5189	3.2	12
182	Plasmonic nanoparticles in biomedicine. <i>Nano Today</i> , 2016 , 11, 168-188	17.9	79
181	DNA Methyltransferase Activity Assays: Advances and Challenges. <i>Theranostics</i> , 2016 , 6, 369-91	12.1	38
180	Optical Aptasensors for Adenosine Triphosphate. <i>Theranostics</i> , 2016 , 6, 1683-702	12.1	34
179	Improving the Specific Capacity and Cyclability of Sodium-Ion Batteries by Engineering a Dual-Carbon Phase-Modified Amorphous and Mesoporous Iron Phosphide. <i>ChemElectroChem</i> , 2016 , 3, 1054-1062	4.3	60

178	Enzyme Mimics: Advances and Applications. <i>Chemistry - A European Journal</i> , 2016 , 22, 8404-30	4.8	201
177	Synthetic genetic polymers: advances and applications. <i>Polymer Chemistry</i> , 2016 , 7, 5199-5216	4.9	16
176	In situ polymerization of aniline on carbon quantum dots: a new platform for ultrasensitive detection of glucose and hydrogen peroxide. <i>RSC Advances</i> , 2015 , 5, 21675-21680	3.7	17
175	Genotyping and quantification techniques for single-nucleotide polymorphisms. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 69, 1-13	14.6	26
174	Metal Oxide Nanoparticles in Electroanalysis. <i>Electroanalysis</i> , 2015 , 27, 2074-2090	3	19
173	Enzyme-catalysed deposition of ultrathin silver shells on gold nanorods: a universal and highly efficient signal amplification strategy for translating immunoassay into a litmus-type test. <i>Chemical Communications</i> , 2015 , 51, 6928-31	5.8	50
172	A high performance polysiloxane-based single ion conducting polymeric electrolyte membrane for application in lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 20267-20276	13	58
171	Detection of glucose with a lamellar-ridge architected gold modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2015 , 206, 721-727	8.5	16
170	Silver/gold core-shell nanoprism-based plasmonic nanoprobe for highly sensitive and selective detection of hydrogen sulfide. <i>Chemistry - A European Journal</i> , 2015 , 21, 988-92	4.8	26
169	The hybridization chain reaction in the development of ultrasensitive nucleic acid assays. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 64, 86-99	14.6	67
168	Quantum dots and duplex-specific nuclease enabled ultrasensitive detection and serotyping of Dengue viruses in one step in a single tube. <i>Biosensors and Bioelectronics</i> , 2015 , 65, 327-32	11.8	10
167	Carbon quantum dots and their applications. <i>Chemical Society Reviews</i> , 2015 , 44, 362-81	58.5	2967
166	Bioanalytical applications of isothermal nucleic acid amplification techniques. <i>Analytica Chimica Acta</i> , 2015 , 853, 30-45	6.6	109
165	Label-Free DNA Sensors Based on Field-Effect Transistors with Semiconductor of Carbon Materials. <i>Chinese Journal of Chemistry</i> , 2015 , 33, 828-841	4.9	5
164	MoS ₂ nanosheets as an effective fluorescence quencher for DNA methyltransferase activity detection. <i>Analyst, The</i> , 2015 , 140, 3210-5	5	54
163	A simple and highly sensitive fluorescence assay for microRNAs. <i>Analyst, The</i> , 2015 , 140, 1932-8	5	17
162	Quantification techniques for circulating tumor cells. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 64, 173-188	14.8	10
161	Colorimetric detection of single nucleotide polymorphisms in the presence of 10 ⁴ -fold excess of a wild-type gene. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 310-315	11.8	11

160	Melamine-terephthalaldehyde-lithium complex: a porous organic network based single ion electrolyte for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5132-5139	13	33
159	Genotyping of Single Nucleotide Polymorphisms. <i>RNA Technologies</i> , 2015 , 123-144	0.2	
158	A highly sensitive microRNA biosensor based on hybridized microRNA-guided deposition of polyaniline. <i>Biosensors and Bioelectronics</i> , 2014 , 60, 195-200	11.8	32
157	A highly sensitive plasmonic DNA assay based on triangular silver nanoprism etching. <i>ACS Nano</i> , 2014 , 8, 4902-7	16.7	127
156	An interference-free glucose biosensor based on a novel low potential redox polymer mediator. <i>Sensors and Actuators B: Chemical</i> , 2014 , 191, 522-528	8.5	57
155	Gold nanoparticle-based exonuclease III signal amplification for highly sensitive colorimetric detection of folate receptor. <i>Nanoscale</i> , 2014 , 6, 3055-8	7.7	28
154	Highly sensitive electrochemical methyltransferase activity assay. <i>Analytical Chemistry</i> , 2014 , 86, 2117-23	3.8	44
153	The development of electrochemical assays for microRNAs. <i>Electrochimica Acta</i> , 2014 , 126, 19-30	6.7	28
152	A highly sensitive and selective homogenous assay for profiling microRNA expression. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 650-5	11.8	23
151	Synthesis of polyaniline via DNAzyme-catalyzed polymerization of aniline. <i>RSC Advances</i> , 2014 , 4, 53257-53264	13	
150	Applications of metal-organic frameworks as stationary phases in chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 50, 33-41	14.6	99
149	A label-free microRNA biosensor based on DNAzyme-catalyzed and microRNA-guided formation of a thin insulating polymer film. <i>Biosensors and Bioelectronics</i> , 2013 , 44, 171-6	11.8	34
148	An ultrasensitive homogeneous chemiluminescent assay for microRNAs. <i>Chemical Communications</i> , 2013 , 49, 9401-3	5.8	34
147	Metal-organic frameworks in fuel cell technologies. <i>Nano Today</i> , 2013 , 8, 577-597	17.9	122
146	A ferrofluid-based homogeneous assay for highly sensitive and selective detection of single-nucleotide polymorphisms. <i>Chemical Communications</i> , 2013 , 49, 8114-6	5.8	22
145	A label-free biosensor for electrochemical detection of femtomolar microRNAs. <i>Analytical Chemistry</i> , 2013 , 85, 1624-30	7.8	107
144	An electrodeposited redox polymer-laccase composite film for highly efficient four-electron oxygen reduction. <i>Journal of Power Sources</i> , 2013 , 226, 27-32	8.9	6
143	An electronic sensor array for label-free detection of single-nucleotide polymorphisms. <i>Biosensors and Bioelectronics</i> , 2013 , 43, 165-72	11.8	14

142	Detection of single-nucleotide polymorphisms based on the formation of an electron-transfer impeding layer on an electrode surface. <i>Chemical Communications</i> , 2013 , 49, 370-2	5.8	13
141	Synthesis and anticancer properties of a novel bis-intercalator. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2013 , 13, 632-8	2.2	1
140	A highly sensitive and selective electrochemical biosensor for direct detection of microRNAs in serum. <i>Analytical Chemistry</i> , 2013 , 85, 4784-9	7.8	184
139	A real-time colorimetric assay for label-free detection of microRNAs down to sub-femtomolar levels. <i>Chemical Communications</i> , 2013 , 49, 4959-61	5.8	51
138	An interference-free glucose biosensor based on an anionic redox polymer-mediated enzymatic oxidation of glucose. <i>ChemPhysChem</i> , 2013 , 14, 2343-7	3.2	6
137	Synthesis of water-soluble and cross-linkable ferrocenyl redox polymers for uses as mediators in biosensors. <i>Sensors and Actuators B: Chemical</i> , 2012 , 168, 238-242	8.5	14
136	A highly sensitive electrochemical assay for microRNA expression profiling. <i>Analyst, The</i> , 2012 , 137, 1674-9	5.9	21
135	Highly sensitive and selective colorimetric genotyping of single-nucleotide polymorphisms based on enzyme-amplified ligation on magnetic beads. <i>Biosensors and Bioelectronics</i> , 2012 , 36, 89-94	11.8	32
134	Metal Nanoparticles in Biomedical Applications 2012 , 477-519		3
133	Colorimetric detection of single-nucleotide polymorphisms with a real-time PCR-like sensitivity. <i>Chemical Communications</i> , 2012 , 48, 10225-7	5.8	23
132	Gold nanoparticle-enabled real-time ligation chain reaction for ultrasensitive detection of DNA. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14678-81	16.4	123
131	Nanoparticulate peroxidase/catalase mimetic and its application. <i>Chemistry - A European Journal</i> , 2012 , 18, 8906-11	4.8	49
130	Amplified detection of microRNA based on ruthenium oxide nanoparticle-initiated deposition of an insulating film. <i>Analytical Chemistry</i> , 2011 , 83, 820-7	7.8	99
129	Strong Red-Emitting near-Infrared-to-Visible Upconversion Fluorescent Nanoparticles. <i>Chemistry of Materials</i> , 2011 , 23, 2729-2734	9.6	147
128	Electropolymerization of intercalator-grafted conducting polymer for direct and amplified DNA detection. <i>Chemical Communications</i> , 2011 , 47, 1533-5	5.8	18
127	A highly sensitive and specific biosensor for ligation- and PCR-free detection of microRNAs. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3768-73	11.8	55
126	Visualizing low-level point mutations: enzyme-like selectivity offered by nanoparticle probes. <i>Small</i> , 2011 , 7, 306-10	11	17
125	Coordination of mercury(II) to gold nanoparticle associated nitrotriazole towards sensitive colorimetric detection of mercuric ion with a tunable dynamic range. <i>Analyst, The</i> , 2011 , 136, 1690-6	5	51

124	Mechanism of the oxidation of organic dyes in the presence of nanoceria. <i>Chemical Communications</i> , 2011 , 47, 2916-8	5.8	47
123	Sequence-selective recognition of nucleic acids under extremely low salt conditions using nanoparticle probes. <i>Analytical Chemistry</i> , 2011 , 83, 4090-4	7.8	23
122	A microfluidic-assisted microarray for ultrasensitive detection of miRNA under an optical microscope. <i>Lab on A Chip</i> , 2011 , 11, 1886-94	7.2	61
121	Direct-write fabrication of a nanoscale digital logic element on a single nanowire. <i>Nanotechnology</i> , 2010 , 21, 245306	3.4	6
120	Determination of trace amounts of mercury using hierarchically nanostructured europium oxide. <i>Talanta</i> , 2010 , 82, 1924-8	6.2	6
119	Electrical sensor array for polymerase chain reaction-free messenger RNA expression profiling. <i>Analytical Chemistry</i> , 2010 , 82, 5958-64	7.8	17
118	A highly sensitive microRNA biosensor based on ruthenium oxide nanoparticle-initiated polymerization of aniline. <i>Chemical Communications</i> , 2010 , 46, 9131-3	5.8	74
117	An ultrasensitive DNA biosensor based on enzyme-catalyzed deposition of cupric hexacyanoferrate nanoparticles. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1420-6	11.8	19
116	Pt nanoparticle label-mediated deposition of Pt catalyst for ultrasensitive electrochemical immunosensors. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 418-23	11.8	58
115	A DNA biosensor based on the electrocatalytic oxidation of amine by a threading intercalator. <i>Analytica Chimica Acta</i> , 2009 , 636, 77-82	6.6	19
114	A DNA biosensor based on the detection of doxorubicin-conjugated Ag nanoparticle labels using solid-state voltammetry. <i>Biosensors and Bioelectronics</i> , 2009 , 25, 282-7	11.8	68
113	Ultrasensitive electrochemical DNA biosensors based on the detection of a highly characteristic solid-state process. <i>Small</i> , 2009 , 5, 1414-7	11	71
112	Nanostructure-based electrical biosensors. <i>Nano Today</i> , 2009 , 4, 318-334	17.9	143
111	A doubly amplified electrochemical immunoassay for carcinoembryonic antigen. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 1825-30	11.8	10
110	Facile and controllable loading of single-stranded DNA on gold nanoparticles. <i>Analytical Chemistry</i> , 2009 , 81, 8523-8	7.8	86
109	Mass-produced nanogap sensor arrays for ultrasensitive detection of DNA. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12211-7	16.4	42
108	A DNA biosensor based on a morpholino oligomer coated indium-tin oxide electrode and a cationic redox polymer. <i>Analyst, The</i> , 2009 , 134, 952-7	5	23
107	DNA sensing by silicon nanowire: charge layer distance dependence. <i>Nano Letters</i> , 2008 , 8, 1066-70	11.5	235

106	Electrical detection of oligonucleotide using an aggregate of gold nanoparticles as a conductive tag. <i>Analytical Chemistry</i> , 2008 , 80, 9387-94	7.8	48
105	Time-constant-based CMOS readout circuit for DNA detection. <i>Electronics Letters</i> , 2008 , 44, 400	1.1	2
104	Preparation of nanochain and nanosphere by self-assembly of gold nanoparticles. <i>Applied Physics Letters</i> , 2008 , 92, 263108	3.4	18
103	Femtomol SPR detection of DNA-PNA hybridization with the assistance of DNA-guided polyaniline deposition. <i>Biosensors and Bioelectronics</i> , 2008 , 23, 1715-20	11.8	34
102	Electrocatalytic oxidation of guanine, guanosine, and guanosine monophosphate. <i>Biophysical Journal</i> , 2007 , 92, L70-2	2.9	32
101	Direct detection of nucleic acids by tagging phosphates on their backbones with conductive nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2051-4	16.4	25
100	Direct Detection of Nucleic Acids by Tagging Phosphates on Their Backbones with Conductive Nanoparticles. <i>Angewandte Chemie</i> , 2007 , 119, 2097-2100	3.6	5
99	Detection of Nucleic Acids Using Enzyme-Catalyzed Template-Guided Deposition of Polyaniline. <i>Advanced Materials</i> , 2007 , 19, 602-606	24	60
98	Direct labeling microRNA with an electrocatalytic moiety and its application in ultrasensitive microRNA assays. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 933-40	11.8	78
97	Detection of guanine at a redox polymer modified indium tin oxide electrode. <i>Sensors and Actuators B: Chemical</i> , 2007 , 123, 293-298	8.5	22
96	A microRNA biosensor based on direct chemical ligation and electrochemically amplified detection. <i>Sensors and Actuators B: Chemical</i> , 2007 , 121, 552-559	8.5	38
95	Silicon nanowire arrays for label-free detection of DNA. <i>Analytical Chemistry</i> , 2007 , 79, 3291-7	7.8	367
94	Detection of MicroRNAs using target-guided formation of conducting polymer nanowires in nanogaps. <i>Journal of the American Chemical Society</i> , 2007 , 129, 5437-43	16.4	197
93	Enzyme-based colorimetric detection of nucleic acids using peptide nucleic acid-immobilized microwell plates. <i>Analytical Chemistry</i> , 2007 , 79, 7192-7	7.8	56
92	Highly sensitive sensors for alkali metal ions based on complementary-metal-oxide-semiconductor-compatible silicon nanowires. <i>Applied Physics Letters</i> , 2007 , 90, 233903	3.4	23
91	Electrical detection of hybridization and threading intercalation of deoxyribonucleic acid using carbon nanotube network field-effect transistors. <i>Applied Physics Letters</i> , 2006 , 89, 232104	3.4	42
90	Detection of microRNAs using electrocatalytic nanoparticle tags. <i>Analytical Chemistry</i> , 2006 , 78, 1470-7	7.8	173
89	A redox active and electrochemiluminescent threading bis-intercalator and its applications in DNA assays. <i>Frontiers in Bioscience - Landmark</i> , 2006 , 11, 1147-57	2.8	3

88	Nanoparticles in biomolecular detection. <i>Nano Today</i> , 2006 , 1, 28-37	17.9	198
87	Direct detection of DNA with an electrocatalytic threading intercalator. <i>Analytical Chemistry</i> , 2005 , 77, 126-34	7.8	60
86	An ultrasensitive nucleic acid biosensor based on the catalytic oxidation of guanine by a novel redox threading intercalator. <i>Chemical Communications</i> , 2005 , 1064-6	5.8	22
85	A disposable glucose biosensor based on diffusional mediator dispersed in nanoparticulate membrane on screen-printed carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2005 , 111-112, 339-346	8.5	14
84	Electrochemical activation of glucose oxidase with a 140-fold enhancement in intramolecular electron transfer rate constant. <i>Frontiers in Bioscience - Landmark</i> , 2005 , 10, 2770-5	2.8	3
83	An ultrasensitive protein array based on electrochemical enzyme immunoassay. <i>Frontiers in Bioscience - Landmark</i> , 2005 , 10, 1654-60	2.8	2
82	An interference-free implantable glucose microbiosensor based on use of a polymeric analyte regulating membrane. <i>Frontiers in Bioscience - Landmark</i> , 2005 , 10, 1797-801	2.8	8
81	An ultrasensitive photoelectrochemical nucleic acid biosensor. <i>Nucleic Acids Research</i> , 2005 , 33, e123	20.1	44
80	Highly sensitive amperometric detection of genomic DNA in animal tissues. <i>Nucleic Acids Research</i> , 2004 , 32, e15	20.1	16
79	Breast cancer susceptibility gene mRNAs quantified by microarrays with electrochemical detection. <i>Clinical Chemistry</i> , 2004 , 50, 1231-3	5.5	10
78	Two-Dimensional Structure Induced K ⁺ and Na ⁺ Recognition by Self-Assembled Anthraquinone-Polyether Monolayers on Gold Electrodes. <i>Electrochemical and Solid-State Letters</i> , 2004 , 7, E35		
77	Amperometric Determination of Ascorbic Acid at an Electrodeposited Redox Polymer Film Modified Gold Electrode. <i>Electroanalysis</i> , 2004 , 16, 319-323	3	21
76	A nucleic acid biosensor for gene expression analysis in nanograms of mRNA. <i>Analytical Chemistry</i> , 2004 , 76, 4023-9	7.8	23
75	Photoelectrochemical Behavior of Oxalate at an Indium Tin Oxide Electrode. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 16850-16854	3.4	7
74	Amperometric detection of nucleic acid at femtomolar levels with a nucleic acid/electrochemical activator bilayer on gold electrode. <i>Analytical Chemistry</i> , 2004 , 76, 1611-7	7.8	78
73	An amperometric biosensor for glucose based on electrodeposited redox polymer/glucose oxidase film on a gold electrode. <i>Analytical Sciences</i> , 2003 , 19, 1259-63	1.7	29
72	Electrodeposition of Redox Polymers and Co-Electrodeposition of Enzymes by Coordinative Crosslinking. <i>Angewandte Chemie</i> , 2002 , 114, 838-841	3.6	9
71	Electrodeposition of redox polymers and co-electrodeposition of enzymes by coordinative crosslinking. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 810-3	16.4	106

70	Influence of bromide on electrochemistry of photosynthetic reaction center films on gold electrodes. <i>Bioelectrochemistry</i> , 2001 , 54, 97-100	5.6	3
69	A miniature biofuel cell. <i>Journal of the American Chemical Society</i> , 2001 , 123, 8630-1	16.4	380
68	Synthesis and characterization of the hollandite-type MnO ₂ as a cathode material in lithium batteries. <i>Electrochimica Acta</i> , 2000 , 45, 2211-2217	6.7	54
67	Preparation of polyphenylene film on platinum electrode in molten biphenyl medium by potential cycling method. <i>Synthetic Metals</i> , 2000 , 108, 89-94	3.6	2
66	Dithia-crown-annelated tetrathiafulvalene disulfides: synthesis, electrochemistry, self-assembled films, and metal ion recognition. <i>Journal of Organic Chemistry</i> , 2000 , 65, 3292-8	4.2	73
65	Ionic Conductivity and Electrochemical Characterization of Novel Microporous Composite Polymer Electrolytes. <i>Journal of the Electrochemical Society</i> , 1999 , 146, 4410-4418	3.9	17
64	Schottky and heterojunction diodes based on poly(3-octylthiophene) and poly(3-methylthiophene) films of high tensile strength. <i>Thin Solid Films</i> , 1999 , 350, 283-288	2.2	13
63	Exceptional anisotropy in conductivity and mechanical properties of poly-3-octylthiophene films. <i>Thin Solid Films</i> , 1999 , 347, 146-150	2.2	5
62	Separation of pinhole and tunneling electron transfer processes at self-assembled polymeric monolayers on gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1999 , 470, 114-119	4.1	18
61	Electrochemical characterization of plasticized polyelectrolyte based on lithium-N(4-sulfophenyl) maleimide. <i>Electrochimica Acta</i> , 1999 , 44, 2287-2296	6.7	5
60	Polymer electrolytes based on acrylonitrile-butadiene-styrene copolymer. <i>Journal of Solid State Electrochemistry</i> , 1999 , 3, 387-391	2.6	5
59	THERMAL BEHAVIOR AND IONIC CONDUCTIVITY OF POLY[LITHIUM-N(4-SULFO-PHENYL) MALEIMIDE -CO-METHOXY OLIGO(OXYETHYLENE) METHACRYLATE]. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1999 , 36, 775-794	2.2	
58	Novel Method for Synthesis of \square Lithium Vanadium Oxide as Cathode Materials in Lithium Ion Batteries. <i>Chemistry of Materials</i> , 1999 , 11, 3086-3090	9.6	29
57	Microporous Polymeric Composite Electrolytes from Microemulsion Polymerization. <i>Langmuir</i> , 1999 , 15, 4812-4819	4	15
56	A new form of vanadium oxide for use as a cathode material in lithium batteries. <i>Journal of Power Sources</i> , 1998 , 74, 40-45	8.9	2
55	Tin-based oxide anode for lithium-ion batteries with low irreversible capacity. <i>Journal of Power Sources</i> , 1998 , 75, 9-12	8.9	26
54	A.C. impedance study on the interface of lithium and polymer electrolyte based on lithium-N(4-sulfophenyl) maleimide. <i>Solid State Ionics</i> , 1998 , 112, 1-8	3.3	13
53	Poly-3-octylthiophene films with ultra high tensile strength and flexibility. <i>Materials Letters</i> , 1998 , 37, 182-186	3.3	9

52	Novel Alternating Comblike Copolymer Electrolytes with Single Lithium Ionic Conduction. <i>Chemistry of Materials</i> , 1998 , 10, 1951-1957	9.6	30
51	Simultaneous determination of dopamine, uric acid and ascorbic acid at an ultrathin film modified gold electrode. <i>Chemical Communications</i> , 1998 , 2107-2108	5.8	108
50	Low-Temperature Synthesized LiV ₃ O ₈ as a Cathode Material for Rechargeable Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 1998 , 145, 3057-3062	3.9	51
49	Electrochemistry of a Thin Cobalt(II)-Heptacyanonitrosylferrate Film Modified Glassy Carbon Electrode.. <i>Analytical Sciences</i> , 1998 , 14, 1053-1058	1.7	11
48	Voltammetric Determination of Dopamine in a Mixture of Dopamine and Ascorbic Acid at a Deactivated Polythiophene Film Modified Electrode.. <i>Analytical Sciences</i> , 1998 , 14, 1059-1063	1.7	36
47	Corrosion Protection of Copper by a Self-Assembled Monolayer of Alkanethiol. <i>Journal of the Electrochemical Society</i> , 1997 , 144, 55-64	3.9	156
46	Ultramicroelectrode ensembles based on self-assembled polymeric monolayers on gold electrodes. <i>Electrochimica Acta</i> , 1997 , 42, 315-321	6.7	9
45	Determination of ascorbic acid in a mixture of ascorbic acid and uric acid at a chemically modified electrode. <i>Analytica Chimica Acta</i> , 1997 , 343, 49-57	6.6	69
44	Catalytic-adsorptive stripping voltammetry of cobalt in the presence of 2,2Sbipyridine and nitrite. <i>Talanta</i> , 1996 , 43, 255-61	6.2	12
43	Catalytic-adsorptive stripping voltammetric determination of molybdenum in plant foodstuffs. <i>Talanta</i> , 1996 , 43, 719-26	6.2	30
42	Determination of trace amounts of iron by catalytic-adsorptive stripping voltammetry. <i>Talanta</i> , 1996 , 43, 727-33	6.2	12
41	Adsorptive Stripping Differential Pulse Voltammetric Determination of Trace Amounts of Tin in Biological Samples.. <i>Analytical Sciences</i> , 1996 , 12, 267-271	1.7	5
40	Determination of cobalt by catalytic-adsorptive differential pulse voltammetry. <i>Analytica Chimica Acta</i> , 1996 , 320, 229-234	6.6	9
39	Adsorptive stripping voltammetric determination of traces of molybdenum in natural water in the presence of benzoioxime. <i>Mikrochimica Acta</i> , 1996 , 124, 211-218	5.8	11
38	Catalytic-adsorptive stripping voltammetric determination of chromium in environmental materials. <i>Electroanalysis</i> , 1996 , 8, 602-606	3	34
37	Catalytic voltammetric determination of molybdenum at a chemically modified carbon paste electrode. <i>Electroanalysis</i> , 1996 , 8, 1183-1187	3	17
36	Reversible chemical doping of self-assembled poly(3-octylthiophene) monolayers on gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1996 , 412, 179-182	4.1	8
35	Self-assembled conducting polymer monolayers of poly(3-octylthiophene) on gold electrodes. <i>Synthetic Metals</i> , 1995 , 75, 5-10	3.6	41

34	Determination of molybdenum using polarographic catalytic current. <i>Analytica Chimica Acta</i> , 1995 , 309, 73-78	6.6	7
33	Electrochemical behaviour of polypyrrole film polymerized in indigo carmine solution. <i>Electrochimica Acta</i> , 1994 , 39, 755-762	6.7	41
32	Electrochemical impedance spectroscopic study of electropolymerized poly(paraphenylene) film on platinum electrode surface. <i>Electrochimica Acta</i> , 1994 , 39, 1419-1425	6.7	20
31	Permeability controllable overoxidised polypyrrole film modified glassy carbon electrodes. <i>Analytica Chimica Acta</i> , 1994 , 286, 213-218	6.6	18
30	Electrochemical study of bilayer conducting polymers: Polypyrrole/polyaniline system. <i>Journal of Electroanalytical Chemistry</i> , 1994 , 364, 127-133	4.1	32
29	Electrochemistry of ascorbic acid at polypyrrole/ dodecyl sulphate film-coated electrodes and its application. <i>Journal of Electroanalytical Chemistry</i> , 1994 , 365, 197-205	4.1	22
28	Mechanism of ionic and redox sensitivity of p-type conducting polymers. <i>Journal of Electroanalytical Chemistry</i> , 1994 , 368, 33-41	4.1	96
27	Electrochemical behavior of chromium(III)-hexacyanoferrate film modified electrodes: Voltammetric and electrochemical impedance studies. <i>Journal of Electroanalytical Chemistry</i> , 1994 , 370, 95-102	4.1	16
26	The influence of overoxidation treatment on the permeability of polypyrrole films. <i>Journal of Electroanalytical Chemistry</i> , 1994 , 373, 141-148	4.1	71
25	Electrochemical properties of polypyrrole films polymerized in the presence of Methylene Blue. <i>Synthetic Metals</i> , 1994 , 62, 117-123	3.6	11
24	Voltammetric determination of dopamine in the presence of ascorbic acid at over-oxidized polypyrrole-indigo carmine film-coated electrodes. <i>Analyst, The</i> , 1994 , 119, 459-64	5	39
23	Electrochemical study on the polypyrrole-polyaniline bilayers. <i>Synthetic Metals</i> , 1993 , 55, 1477-1482	3.6	16
22	Voltammetric response of dopamine at an overoxidised polypyrrole/dodecyl sulfate film coated electrode. <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 675-676		10
21	Electrochemical study on polypyrrole - poly(3-octylthiophene) bilayer films. <i>Synthetic Metals</i> , 1993 , 55, 1453-1458	3.6	17
20	Voltammetric and amperometric determination of ascorbic acid at a chemically modified carbon fibre microelectrode. <i>Talanta</i> , 1993 , 40, 399-403	6.2	29
19	Electrochemical behaviour of dopamine and ascorbic acid at overoxidized polypyrrole(dodecyl sulphate) film-coated electrodes. <i>Analytica Chimica Acta</i> , 1993 , 284, 393-404	6.6	58
18	Electrochemical study of copper-heptacyanonitrosylferrate film modified electrodes: Preparation, properties and applications. <i>Journal of Electroanalytical Chemistry</i> , 1993 , 358, 161-176	4.1	23
17	Electrochemical sensor of nitrite based on an inorganic film modified glassy carbon electrode. <i>Mikrochimica Acta</i> , 1993 , 111, 63-70	5.8	8

16	Electrochemical impedance spectroscopy of cobalt(II)-hexacyanoferrate film modified electrodes. <i>Electrochimica Acta</i> , 1993 , 38, 379-385	6.7	37
15	Determination of Trace Amounts of Copper(I) with a Chemically Modified Carbon Paste Electrode.. <i>Analytical Sciences</i> , 1992 , 8, 337-343	1.7	14
14	All-solid-state sodium-selective electrode based on a calixarene ionophore in a poly(vinyl chloride) membrane with a polypyrrole solid contact. <i>Analytical Chemistry</i> , 1992 , 64, 2496-2501	7.8	337
13	Electrocatalysis and flow-injection analysis of hydrogen peroxide at a chemically modified electrode. <i>Analytica Chimica Acta</i> , 1992 , 259, 211-218	6.6	33
12	Polarographic studies and measurements of nitrite in cobalt(II)thiocyanateascorbic acid solution. <i>Electroanalysis</i> , 1992 , 4, 199-206	3	2
11	Voltammetric determination of traces of cobalt(II) with a chemically modified carbon paste electrode. <i>Fresenius Journal of Analytical Chemistry</i> , 1991 , 339, 137-141		10
10	Electrochemical and spectroscopic studies of cobalt-hexacyanoferrate film modified electrodes. <i>Electrochimica Acta</i> , 1991 , 36, 147-152	6.7	81
9	Differential pulse voltammetric determination of cobalt with a perfluorinated sulfonated polymer-2,2-bipyridyl modified carbon paste electrode. <i>Analytical Chemistry</i> , 1991 , 63, 953-957	7.8	25
8	Determination of iron(II) with chemically-modified carbon-paste electrodes. <i>Talanta</i> , 1991 , 38, 1177-84	6.2	21
7	Voltammetric determination of trace amounts of gold(III) with a carbon paste electrode modified with chelating resin. <i>Analytica Chimica Acta</i> , 1990 , 232, 367-376	6.6	18
6	Determination of trace amounts of nitrite by single-sweep polarography. <i>Analytica Chimica Acta</i> , 1990 , 230, 105-112	6.6	25
5	Preconcentration and differential-pulse voltammetric determination of iron(II) with Nafion [®] ,10-phenanthroline-modified carbon paste electrodes. <i>Analytica Chimica Acta</i> , 1990 , 241, 137-146	6.6	17
4	Determination of trace amounts of silver with a chemically modified carbon paste electrode. <i>Analytica Chimica Acta</i> , 1990 , 229, 213-219	6.6	21
3	Single-sweep polarography of the copper(II)-3-hydroxy-1-p-sulphonatophenyl-3-phenyltriazene complex and its analytical applications. <i>Analyst, The</i> , 1990 , 115, 951-3	5	3
2	The enhancement effect of surfactants in single-sweep polarography of the palladium-dimethylglyoxime complex. <i>Electroanalysis</i> , 1989 , 1, 371-374	3	7
1	Single sweep polarography of palladium-dimethylglyoxime complex. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988 , 256, 65-75		8