

Jinhua Chen

List of Publications by Year in descending order

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109
papers

5,287
citations

108046

37
h-index

104191

69
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110
all docs

110
docs citations

110
times ranked

7177
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoelectrochemical and quartz crystal microbalance dual-mode assay of protein tyrosine phosphatase 1B activity based on hollow CuO and TiO ₂ polyhedra. <i>Sensors and Actuators B: Chemical</i> , 2022, 353, 131179.	4.0	9
2	A label-free photoelectrochemical biosensor with ultra-low-background noise for lead ion assay based on the Cu ₂ O-CuO-TiO ₂ heterojunction. <i>Analytica Chimica Acta</i> , 2022, 1195, 339456.	2.6	17
3	Highly Selective Photoelectrochemical Assay of Arsenate Based on Magnetic Co ₃ O ₄ @Fe ₃ O ₄ Cubes and the Negative-Background Signal Strategy. <i>Analytical Chemistry</i> , 2022, 94, 1874-1881.	3.2	23
4	One-step integration of amorphous RuB _x and crystalline Ru nanoparticles into B/N-doped porous carbon polyhedra for robust electrocatalytic activity towards the HER in both acidic and basic media. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4181-4190.	5.2	16
5	Zinc-Air Battery-Assisted Self-Powered PEC Sensors for Sensitive Assay of PTP1B Activity Based on Perovskite Quantum Dots Encapsulated in Vinyl-Functionalized Covalent Organic Frameworks. <i>Analytical Chemistry</i> , 2022, 94, 9844-9850.	3.2	27
6	A label-free photoelectrochemical biosensor with near-zero-background noise for protein kinase A activity assay based on porous ZrO ₂ /CdS octahedra. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 129096.	4.0	29
7	Active site and intermediate modulation of 3D CoSe ₂ nanosheet array on Ni foam by Mo doping for high-efficiency overall water splitting in alkaline media. <i>Chemical Engineering Journal</i> , 2021, 417, 128055.	6.6	60
8	Peptide Cleavage-Mediated and Environmentally Friendly Photocurrent Polarity Switching System for Prostate-Specific Antigen Assay. <i>Analytical Chemistry</i> , 2021, 93, 1076-1083.	3.2	39
9	One-step hydrothermal synthesized 3D MoO ₃ /FeCo LDH heterostructure electrocatalysts on Ni foam for high-efficiency oxygen evolution electrocatalysis. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 12992-13000.	3.8	24
10	Sensitive Dual-Mode Biosensors for CYFRA21-1 Assay Based on the Dual-Signaling Electrochemical Ratiometric Strategy and "Off-On" PEC Method. <i>Analytical Chemistry</i> , 2021, 93, 6801-6807.	3.2	74
11	A photocurrent-polarity-switching biosensor for highly selective assay of mucin 1 based on target-induced hemin transfer from ZrO ₂ hollow spheres to G-quadruplex nanowires. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113547.	5.3	17
12	Highly Selective and Sensitive microRNA-210 Assay Based on Dual-Signaling Electrochemical and Photocurrent-Polarity-Switching Strategies. <i>Analytical Chemistry</i> , 2021, 93, 14272-14279.	3.2	39
13	A novel signal-off photoelectrochemical biosensor for M.Sss1 MTase activity assay based on QDs@ZIF-8 polyhedra as signal quencher. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111861.	5.3	53
14	Highly Selective and Sensitive Photoelectrochemical Sensing Platform for VEGF165 Assay Based on the Switching of Photocurrent Polarity of CdS QDs by Porous Cu ₂ O-CuO Flower. <i>Analytical Chemistry</i> , 2020, 92, 1189-1196.	3.2	99
15	Cu@ZnO heterojunction derived from Cu ²⁺ -doped ZIF-8: A new photoelectric material for ultrasensitive PEC immunoassay of CA125 with near-zero background noise. <i>Analytica Chimica Acta</i> , 2020, 1099, 75-84.	2.6	35
16	DNA-linked CdSe QDs/AGQDs Z-scheme system: Ultrasensitive and highly selective photoelectrochemical sensing platform with negative background signal. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127480.	4.0	22
17	Sensitive photoelectrochemical assay of Pb ²⁺ based on DNAzyme-induced disassembly of the Z-scheme TiO ₂ /Au/CdS QDs system. <i>Chemical Communications</i> , 2020, 56, 8261-8264.	2.2	22
18	3D amorphous NiFe LDH nanosheets electrodeposited on <i>in situ</i> grown NiCoP@NC on nickel foam for remarkably enhanced OER electrocatalytic performance. <i>Dalton Transactions</i> , 2020, 49, 4896-4903.	1.6	32

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19	Spontaneous deposition of Ir nanoparticles on 2D siloxene as a high-performance HER electrocatalyst with ultra-low Ir loading. <i>Chemical Communications</i> , 2020, 56, 4824-4827.	2.2	39
20	Label-free and near-zero-background-noise photoelectrochemical assay of methyltransferase activity based on a Bi ₂ S ₃ /Ti ₃ C ₂ Schottky junction. <i>Chemical Communications</i> , 2020, 56, 5799-5802.	2.2	40
21	Target-induced photocurrent-polarity switching: a highly selective and sensitive photoelectrochemical sensing platform. <i>Chemical Communications</i> , 2019, 55, 8939-8942.	2.2	16
22	Encapsulated Rh nanoparticles in N-doped porous carbon polyhedrons derived from ZIF-8 for efficient HER and ORR electrocatalysis. <i>Electrochimica Acta</i> , 2019, 326, 134982.	2.6	38
23	A sensitive photoelectrochemical assay of miRNA-155 based on a CdSe QDs//NPC-ZnO polyhedra photocurrent-direction switching system and target-triggered strand displacement amplification strategy. <i>Chemical Communications</i> , 2019, 55, 2182-2185.	2.2	43
24	A sensitive photoelectrochemical methyltransferase activity assay based on a novel Z-scheme CdSe QD/afGQD heterojunction and multiple signal amplification strategies. <i>Chemical Communications</i> , 2019, 55, 8166-8169.	2.2	12
25	Low-cost high-performance hydrogen evolution electrocatalysts based on Pt-CoP polyhedra with low Pt loading in both alkaline and neutral media. <i>Dalton Transactions</i> , 2019, 48, 8920-8930.	1.6	29
26	A new photoelectrochemical immunosensor for ultrasensitive assay of prion protein based on hemin-induced photocurrent direction switching. <i>Biosensors and Bioelectronics</i> , 2019, 132, 55-61.	5.3	33
27	CoS ₂ hollow nanocubes derived from Co-Co Prussian blue analogue: High-performance electrode materials for supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2019, 836, 30-37.	1.9	53
28	Facile solution synthesis of FeN _x atom clusters supported on nitrogen-enriched graphene carbon aerogels with superb electrocatalytic performance toward the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25557-25566.	5.2	29
29	Fe and S co-doped N-enriched hierarchical porous carbon polyhedron as efficient non-noble-metal electrocatalyst toward oxygen reduction reaction in both alkaline and acidic medium. <i>Electrochimica Acta</i> , 2019, 298, 570-579.	2.6	54
30	A new electrochemical immunoassay for prion protein based on hybridization chain reaction with hemin/G-quadruplex DNAzyme. <i>Talanta</i> , 2018, 182, 292-298.	2.9	23
31	A label-free and blocker-free photoelectrochemical strategy for highly sensitive caspase-3 assay. <i>Chemical Communications</i> , 2018, 54, 4830-4833.	2.2	24
32	High-performance non-enzymatic catalysts based on 3D hierarchical hollow porous Co ₃ O ₄ nanododecahedras in situ decorated on carbon nanotubes for glucose detection and biofuel cell application. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2019-2029.	1.9	12
33	A new electrochemical immunosensor for sensitive detection of prion based on Prussian blue analogue. <i>Talanta</i> , 2018, 179, 726-733.	2.9	34
34	N-doped porous carbon sheets derived from ZIF-8: Preparation and their electrochemical capacitive properties. <i>Journal of Electroanalytical Chemistry</i> , 2018, 810, 86-94.	1.9	37
35	A new photoelectrochemical aptasensor for prion assay based on cyclodextrin and Rhodamine B. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2187-2193.	4.0	28
36	A novel photoelectrochemical immunosensor for prion protein based on CdTe quantum dots and glucose oxidase. <i>Journal of Electroanalytical Chemistry</i> , 2018, 829, 51-58.	1.9	7

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37	A new photoelectrochemical biosensor for ultrasensitive determination of nucleic acids based on a three-stage cascade signal amplification strategy. <i>Analyst</i> , 2018, 143, 2799-2806.	1.7	27
38	Co ₃ O ₄ @Au Polyhedra: A Multifunctional Signal Amplifier for Sensitive Photoelectrochemical Assay. <i>Analytical Chemistry</i> , 2018, 90, 9480-9486.	3.2	70
39	A new electrochemical aptasensor for sensitive assay of a protein based on the dual-signaling electrochemical ratiometric method and DNA walker strategy. <i>Chemical Communications</i> , 2018, 54, 10359-10362.	2.2	60
40	Synthesis of mesoporous Co(OH) ₂ nanocubes derived from Prussian blue analogue and their electrocapacitive properties. <i>Journal of Electroanalytical Chemistry</i> , 2017, 788, 54-60.	1.9	18
41	Preparation of NiCoP Hollow Quasi-Polyhedra and Their Electrocatalytic Properties for Hydrogen Evolution in Alkaline Solution. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5982-5991.	4.0	217
42	A sensitive electrochemical immunosensor for prion detection based on poly- β -cyclodextrin/gold nanoparticles/glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2017, 250, 1-7.	4.0	37
43	Hierarchical porous carbon materials prepared by direct carbonization of Al-PCP as a Pt-catalyst support for the oxygen reduction reaction. <i>New Journal of Chemistry</i> , 2017, 41, 7432-7437.	1.4	3
44	Template-synthesis and electrochemical properties of urchin-like NiCoP electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2017, 249, 301-307.	2.6	29
45	Triple-Helix Molecular Switch Electrochemical Ratiometric Biosensor for Ultrasensitive Detection of Nucleic Acids. <i>Analytical Chemistry</i> , 2017, 89, 8830-8835.	3.2	116
46	Nitrogen-Doped Porous Carbon-ZnO Nanopolyhedra Derived from ZIF-8: New Materials for Photoelectrochemical Biosensors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42482-42491.	4.0	130
47	Sensitive electrochemical assay of alkaline phosphatase activity based on TdT-mediated hemin/G-quadruplex DNAzyme nanowires for signal amplification. <i>Biosensors and Bioelectronics</i> , 2017, 87, 970-975.	5.3	77
48	Exonuclease III-assisted cascade signal amplification strategy for label-free and ultrasensitive electrochemical detection of nucleic acids. <i>Biosensors and Bioelectronics</i> , 2017, 87, 732-736.	5.3	62
49	A label-free and cascaded dual-signaling amplified electrochemical aptasensing platform for sensitive prion assay. <i>Biosensors and Bioelectronics</i> , 2016, 85, 471-478.	5.3	24
50	A high-performance bioanode based on a nitrogen-doped short tubular carbon loaded Au nanoparticle co-immobilized mediator and glucose oxidase for glucose/O ₂ biofuel cells. <i>RSC Advances</i> , 2016, 6, 29142-29148.	1.7	7
51	A novel electrochemical aptasensor for bisphenol A assay based on triple-signaling strategy. <i>Biosensors and Bioelectronics</i> , 2016, 79, 22-28.	5.3	72
52	An electrochemical biosensor for sensitive detection of Hg ²⁺ based on exonuclease III-assisted target recycling and hybridization chain reaction amplification strategies. <i>Analytical Methods</i> , 2016, 8, 2106-2111.	1.3	21
53	Sensitive detection of bisphenol A based on a ratiometric electrochemical aptasensor. <i>Canadian Journal of Chemistry</i> , 2016, 94, 509-514.	0.6	9
54	Smart protein biogate as a mediator to regulate competitive host-guest interaction for sensitive ratiometric electrochemical assay of prion. <i>Scientific Reports</i> , 2015, 5, 16015.	1.6	30

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55	Carbon nanotubeâ€“ionic liquid composite gel based high-performance bioanode for glucose/O ₂ biofuel cells. <i>Analytical Methods</i> , 2015, 7, 5060-5066.	1.3	8
56	One-pot synthesis of PtRh/Î²-CD-CNTs for methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 14866-14874.	3.8	15
57	Platinum Nanoparticles Encapsulated in Nitrogenâ€“Doped Mesoporous Carbons as Methanolâ€“Tolerant Oxygen Reduction Electrocatalysts. <i>ChemElectroChem</i> , 2015, 2, 404-411.	1.7	28
58	A new ratiometric electrochemical sensor for sensitive detection of bisphenol A based on poly-Î²-cyclodextrin/electroreduced graphene modified glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2015, 742, 97-103.	1.9	77
59	Synthesis and electrochemical capacitive properties of nitrogen-doped porous carbon micropolyhedra by direct carbonization of zeolitic imidazolate framework-11. <i>Materials Research Bulletin</i> , 2015, 66, 88-95.	2.7	51
60	A label-free electrochemical strategy for highly sensitive methyltransferase activity assays. <i>Chemical Communications</i> , 2015, 51, 5081-5084.	2.2	23
61	Ultrasonic cavitation assisted hydrogen implosion synthesis of Pt nanoparticles/nitrogen-doped graphene nanohybrid scrolls and their electrocatalytic oxidation of methanol. <i>Ionics</i> , 2015, 21, 1287-1294.	1.2	7
62	Ultrasensitive Electrochemical Detection of Nucleic Acids Based on the Dual-Signaling Electrochemical Ratiometric Method and Exonuclease III-Assisted Target Recycling Amplification Strategy. <i>Analytical Chemistry</i> , 2015, 87, 7291-7296.	3.2	143
63	Solid-state grinding/low-temperature calcining synthesis of carbon coated MnO ₂ nanorods and their electrochemical capacitive property. <i>New Journal of Chemistry</i> , 2015, 39, 4731-4736.	1.4	12
64	A new amplified impedimetric aptasensor based on the electron transfer ability of Au nanoparticles and their affinity with aptamer. <i>Journal of Electroanalytical Chemistry</i> , 2015, 757, 243-249.	1.9	9
65	Synthesis of high-concentration B and N co-doped porous carbon polyhedra and their supercapacitive properties. <i>RSC Advances</i> , 2015, 5, 77527-77533.	1.7	15
66	A new electrochemical aptasensor based on electrocatalytic property of graphene toward ascorbic acid oxidation. <i>Talanta</i> , 2015, 134, 699-704.	2.9	13
67	A ratiometric electrochemical biosensor for sensitive detection of Hg ²⁺ based on thymineâ€“Hg ²⁺ â€“thymine structure. <i>Analytica Chimica Acta</i> , 2015, 853, 242-248.	2.6	111
68	Nanomaterials as signal amplification elements in DNA-based electrochemical sensing. <i>Nano Today</i> , 2014, 9, 197-211.	6.2	134
69	PtRu nanoparticles supported on nitrogen-doped polyhedral mesoporous carbons as electrocatalyst for methanol oxidation. <i>Nanotechnology</i> , 2014, 25, 135607.	1.3	21
70	Amplified impedimetric DNA sensor based on graphene oxideâ€“phenylboronic acid for sensitive detection of bleomycins. <i>New Journal of Chemistry</i> , 2014, 38, 2284.	1.4	12
71	Highly-selective electrochemical determination of catechol based on 3-aminophenylboronic acid-3,4,9,10-perylene tetracarboxylic acid functionalized carbon nanotubes modified electrode. <i>Analytical Methods</i> , 2014, 6, 718-724.	1.3	26
72	A ratiometric electrochemical aptasensor for sensitive detection of protein based on aptamerâ€“targetâ€“aptamer sandwich structure. <i>Journal of Electroanalytical Chemistry</i> , 2014, 732, 61-65.	1.9	32

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73	Electrochemical determination of bleomycins based on dual-amplification of 4-mercaptophenyl boronic acid-capped gold nanoparticles and dopamine-capped gold nanoparticles. <i>Analytical Methods</i> , 2014, 6, 6893.	1.3	10
74	A simple label-free electrochemical aptasensor for dopamine detection. <i>RSC Advances</i> , 2014, 4, 52250-52255.	1.7	45
75	Sensitive Electrochemical Aptasensor by Coupling "Signal-on" and "Signal-off" Strategies. <i>Analytical Chemistry</i> , 2013, 85, 8397-8402.	3.2	116
76	Self-assembly synthesis of a hierarchical structure using hollow nitrogen-doped carbon spheres as spacers to separate the reduced graphene oxide for simultaneous electrochemical determination of ascorbic acid, dopamine and uric acid. <i>Analytical Methods</i> , 2013, 5, 3591.	1.3	32
77	Sensitive electrochemical sensor of anthracene-9-carboxylic acid using an electropolymerized film modified glassy carbon electrode. <i>Analytical Methods</i> , 2013, 5, 1881.	1.3	1
78	Simultaneous electrochemical detection of ascorbic acid, dopamine and uric acid based on nitrogen doped porous carbon nanopolyhedra. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2742.	2.9	166
79	A New Dual-Signalling Electrochemical Sensing Strategy Based on Competitive Host-Guest Interaction of a β -Cyclodextrin/Poly(<i>N</i> -acetylaniline)/Graphene Modified Electrode: Sensitive Electrochemical Determination of Organic Pollutants. <i>Chemistry - A European Journal</i> , 2013, 19, 6368-6373.	1.7	45
80	Sensitive electrochemical detection of hydroxyl radical with biobarcode amplification. <i>Analytica Chimica Acta</i> , 2012, 756, 1-6.	2.6	40
81	Electrochemical sensor for naphthols based on gold nanoparticles/hollow nitrogen-doped carbon microsphere hybrids functionalized with SH- β -cyclodextrin. <i>Analytica Chimica Acta</i> , 2012, 723, 33-38.	2.6	58
82	Carbonization of ionic liquid polymer-functionalized carbon nanotubes for high dispersion of PtRu nanoparticles and their electrocatalytic oxidation of methanol. <i>Journal of Materials Chemistry</i> , 2012, 22, 13085.	6.7	33
83	Electropolymerization of pyrrole in ionic liquid microemulsion. <i>Journal of Applied Polymer Science</i> , 2012, 125, 2342-2347.	1.3	13
84	A Strategy for the High Dispersion of PtRu Nanoparticles onto Carbon Nanotubes and Their Electrocatalytic Oxidation of Methanol. <i>Chemistry - A European Journal</i> , 2012, 18, 1522-1527.	1.7	31
85	One-pot synthesis of highly dispersed palladium nanoparticles on acetylenic ionic liquid polymer functionalized carbon nanotubes for electrocatalytic oxidation of glucose. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 759-766.	1.2	24
86	High dispersion of platinum-ruthenium nanoparticles on the 3,4,9,10-perylene tetracarboxylic acid-functionalized carbon nanotubes for methanol electro-oxidation. <i>Chemical Communications</i> , 2011, 47, 5253.	2.2	90
87	Supercapacitor based on graphene and ionic liquid electrolyte. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 2581-2585.	1.2	71
88	Noble metal nanoparticles/carbon nanotubes nanohybrids: Synthesis and applications. <i>Nano Today</i> , 2011, 6, 75-90.	6.2	344
89	Electrodeposition of gold nanoparticles from ionic liquid microemulsion. <i>Colloid and Polymer Science</i> , 2010, 288, 1097-1103.	1.0	28
90	Preparation of polyaniline-tin dioxide composites and their application in methanol electro-oxidation. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 169-174.	1.2	34

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91	PMo12-functionalized Graphene nanosheet-supported PtRu nanocatalysts for methanol electro-oxidation. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 2267-2274.	1.2	38
92	Investigation on conductivity of mixed surfactants reverse microemulsion. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 2033-2037.	1.5	5
93	Binding studies of L-tryptophan to human serum albumin with nanogold-structured sensor by piezoelectric quartz crystal impedance analysis. , 2010, , .		0
94	Functionalization of Carbon Nanotubes by an Ionic-Liquid Polymer: Dispersion of Pt and PtRu Nanoparticles on Carbon Nanotubes and Their Electrocatalytic Oxidation of Methanol. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4751-4754.	7.2	387
95	Electrochemical behavior of K ₄ Fe(CN) ₆ in [bmim]PF ₆ /TX-100/H ₂ O based microemulsions. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1273-1278.	1.5	7
96	Catalytic graphitization of PAN-based carbon fibers by spontaneously deposited manganese oxides. <i>Transition Metal Chemistry</i> , 2009, 34, 559-563.	0.7	15
97	Impedimetric Aptasensor with Femtomolar Sensitivity Based on the Enlargement of Surface-Charged Gold Nanoparticles. <i>Analytical Chemistry</i> , 2009, 81, 739-745.	3.2	162
98	Sensitive Bifunctional Aptamer-Based Electrochemical Biosensor for Small Molecules and Protein. <i>Analytical Chemistry</i> , 2009, 81, 9972-9978.	3.2	108
99	Ethanol electrooxidation on platinum particles dispersed on poly(neutral red) film. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 1665-1670.	1.5	5
100	Ethanol electrooxidation on Pt/ZSM-5 zeolite-C catalyst. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 237-243.	1.2	28
101	Research on electrochemical properties of nonaqueous ionic liquid microemulsions. <i>Colloid and Polymer Science</i> , 2008, 286, 1499-1504.	1.0	14
102	Neutral red as electron transfer mediator: enhanced electrocatalytic activity of platinum catalyst for methanol electro-oxidation. <i>Journal of Solid State Electrochemistry</i> , 2007, 11, 463-468.	1.2	24
103	Platinum Catalysts Prepared with Functional Carbon Nanotube Defects and Its Improved Catalytic Performance for Methanol Oxidation. <i>Journal of Physical Chemistry B</i> , 2006, 110, 11775-11779.	1.2	198
104	Electrochemical Behavior of MCF-7 Cells on Carbon Nanotube Modified Electrode and Application in Evaluating the Effect of 5-Fluorouracil. <i>Electroanalysis</i> , 2006, 18, 1179-1185.	1.5	20
105	Electroreduction of β -glucose on CNT/graphite electrode modified by Zn and Zn-Fe alloy. <i>Journal of Solid State Electrochemistry</i> , 2005, 9, 498-503.	1.2	16
106	Carbon Nanotubes-Based Amperometric Cholesterol Biosensor Fabricated Through Layer-by-Layer Technique. <i>Electroanalysis</i> , 2004, 16, 1992-1998.	1.5	101
107	The study of diffusion of media in the organic coating films by BAW admittance analysis. <i>Journal of Applied Polymer Science</i> , 1998, 70, 2283-2290.	1.3	1
108	The study of diffusion of solvents from the coating films during the curing process by bulk acoustic wave admittance analysis. <i>Journal of Applied Polymer Science</i> , 1997, 66, 563-571.	1.3	6

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109	Facilely Hierarchical Growth of N-Doped Carbon-Coated NiCo ₂ O ₄ Nanowire Arrays on Ni Foam for Advanced Supercapacitor Electrodes. ACS Sustainable Chemistry and Engineering, 0, , .	3.2	4