

Jinhua Chen

List of Publications by Year in descending order

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109
papers

5,287
citations

94415

37
h-index

91872

69
g-index

110
all docs

110
docs citations

110
times ranked

6358
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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. | 13.8 | 387 |
| 2 | Noble metal nanoparticles/carbon nanotubes nano hybrids: Synthesis and applications. <i>Nano Today</i> , 2011, 6, 75-90. | 11.9 | 344 |
| 3 | 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. | 8.0 | 217 |
| 4 | 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. | 2.6 | 198 |
| 5 | 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. | 5.8 | 166 |
| 6 | Impedimetric Aptasensor with Femtomolar Sensitivity Based on the Enlargement of Surface-Charged Gold Nanoparticles. <i>Analytical Chemistry</i> , 2009, 81, 739-745. | 6.5 | 162 |
| 7 | 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. | 6.5 | 143 |
| 8 | Nanomaterials as signal amplification elements in DNA-based electrochemical sensing. <i>Nano Today</i> , 2014, 9, 197-211. | 11.9 | 134 |
| 9 | 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. | 8.0 | 130 |
| 10 | Sensitive Electrochemical Aptasensor by Coupling "Signal-on" and "Signal-off" Strategies. <i>Analytical Chemistry</i> , 2013, 85, 8397-8402. | 6.5 | 116 |
| 11 | Triple-Helix Molecular Switch Electrochemical Ratiometric Biosensor for Ultrasensitive Detection of Nucleic Acids. <i>Analytical Chemistry</i> , 2017, 89, 8830-8835. | 6.5 | 116 |
| 12 | A ratiometric electrochemical biosensor for sensitive detection of Hg ²⁺ based on thymine-Hg ²⁺ "thymine structure. <i>Analytica Chimica Acta</i> , 2015, 853, 242-248. | 5.4 | 111 |
| 13 | Sensitive Bifunctional Aptamer-Based Electrochemical Biosensor for Small Molecules and Protein. <i>Analytical Chemistry</i> , 2009, 81, 9972-9978. | 6.5 | 108 |
| 14 | Carbon Nanotubes-Based Amperometric Cholesterol Biosensor Fabricated Through Layer-by-Layer Technique. <i>Electroanalysis</i> , 2004, 16, 1992-1998. | 2.9 | 101 |
| 15 | 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. | 6.5 | 99 |
| 16 | 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. | 4.1 | 90 |
| 17 | A new ratiometric electrochemical sensor for sensitive detection of bisphenol A based on poly- β -cyclodextrin/electroreduced graphene modified glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2015, 742, 97-103. | 3.8 | 77 |
| 18 | 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. | 10.1 | 77 |

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|----|---|------|-----------|
| 19 | Sensitive Dual-Mode Biosensors for CYFRA21-1 Assay Based on the Dual-Signaling Electrochemical Ratiometric Strategy and "Off-Off" PEC Method. <i>Analytical Chemistry</i> , 2021, 93, 6801-6807. | 6.5 | 74 |
| 20 | A novel electrochemical aptasensor for bisphenol A assay based on triple-signaling strategy. <i>Biosensors and Bioelectronics</i> , 2016, 79, 22-28. | 10.1 | 72 |
| 21 | Supercapacitor based on graphene and ionic liquid electrolyte. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 2581-2585. | 2.5 | 71 |
| 22 | Co ₃ O ₄ @Au Polyhedra: A Multifunctional Signal Amplifier for Sensitive Photoelectrochemical Assay. <i>Analytical Chemistry</i> , 2018, 90, 9480-9486. | 6.5 | 70 |
| 23 | 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. | 10.1 | 62 |
| 24 | 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. | 4.1 | 60 |
| 25 | 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. | 12.7 | 60 |
| 26 | 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. | 5.4 | 58 |
| 27 | 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. | 5.2 | 54 |
| 28 | 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. | 3.8 | 53 |
| 29 | A novel signal-off photoelectrochemical biosensor for M.Sssl MTase activity assay based on QDs@ZIF-8 polyhedra as signal quencher. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111861. | 10.1 | 53 |
| 30 | 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. | 5.2 | 51 |
| 31 | 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. | 3.3 | 45 |
| 32 | A simple label-free electrochemical aptasensor for dopamine detection. <i>RSC Advances</i> , 2014, 4, 52250-52255. | 3.6 | 45 |
| 33 | 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. | 4.1 | 43 |
| 34 | Sensitive electrochemical detection of hydroxyl radical with biobarcode amplification. <i>Analytica Chimica Acta</i> , 2012, 756, 1-6. | 5.4 | 40 |
| 35 | 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. | 4.1 | 40 |
| 36 | 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. | 4.1 | 39 |

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|----|--|------|-----------|
| 37 | Peptide Cleavage-Mediated and Environmentally Friendly Photocurrent Polarity Switching System for Prostate-Specific Antigen Assay. <i>Analytical Chemistry</i> , 2021, 93, 1076-1083. | 6.5 | 39 |
| 38 | 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. | 6.5 | 39 |
| 39 | PMo12-functionalized Graphene nanosheet-supported PtRu nanocatalysts for methanol electro-oxidation. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 2267-2274. | 2.5 | 38 |
| 40 | 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. | 5.2 | 38 |
| 41 | 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. | 7.8 | 37 |
| 42 | 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. | 3.8 | 37 |
| 43 | Cu β -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. | 5.4 | 35 |
| 44 | Preparation of polyaniline β -tin dioxide composites and their application in methanol electro-oxidation. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 169-174. | 2.5 | 34 |
| 45 | A new electrochemical immunosensor for sensitive detection of prion based on Prussian blue analogue. <i>Talanta</i> , 2018, 179, 726-733. | 5.5 | 34 |
| 46 | 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 |
| 47 | 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. | 10.1 | 33 |
| 48 | 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. | 2.7 | 32 |
| 49 | A ratiometric electrochemical aptasensor for sensitive detection of protein based on aptamer β target β aptamer sandwich structure. <i>Journal of Electroanalytical Chemistry</i> , 2014, 732, 61-65. | 3.8 | 32 |
| 50 | 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. | 3.3 | 32 |
| 51 | 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. | 3.3 | 31 |
| 52 | 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. | 3.3 | 30 |
| 53 | Template-synthesis and electrochemical properties of urchin-like NiCoP electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2017, 249, 301-307. | 5.2 | 29 |
| 54 | 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. | 3.3 | 29 |

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|----|--|------|-----------|
| 55 | 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. | 10.3 | 29 |
| 56 | 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. | 7.8 | 29 |
| 57 | Ethanol electrooxidation on Pt/ZSM-5 zeolite-C catalyst. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 237-243. | 2.5 | 28 |
| 58 | Electrodeposition of gold nanoparticles from ionic liquid microemulsion. <i>Colloid and Polymer Science</i> , 2010, 288, 1097-1103. | 2.1 | 28 |
| 59 | Platinum Nanoparticles Encapsulated in Nitrogen-Doped Mesoporous Carbons as Methanol-Tolerant Oxygen Reduction Electrocatalysts. <i>ChemElectroChem</i> , 2015, 2, 404-411. | 3.4 | 28 |
| 60 | A new photoelectrochemical aptasensor for prion assay based on cyclodextrin and Rhodamine B. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2187-2193. | 7.8 | 28 |
| 61 | 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. | 3.5 | 27 |
| 62 | 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. | 6.5 | 27 |
| 63 | 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. | 2.7 | 26 |
| 64 | 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. | 2.5 | 24 |
| 65 | 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. | 2.5 | 24 |
| 66 | A label-free and cascaded dual-signaling amplified electrochemical aptasensing platform for sensitive prion assay. <i>Biosensors and Bioelectronics</i> , 2016, 85, 471-478. | 10.1 | 24 |
| 67 | A label-free and blocker-free photoelectrochemical strategy for highly sensitive caspase-3 assay. <i>Chemical Communications</i> , 2018, 54, 4830-4833. | 4.1 | 24 |
| 68 | 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. | 7.1 | 24 |
| 69 | A label-free electrochemical strategy for highly sensitive methyltransferase activity assays. <i>Chemical Communications</i> , 2015, 51, 5081-5084. | 4.1 | 23 |
| 70 | A new electrochemical immunoassay for prion protein based on hybridization chain reaction with hemin/G-quadruplex DNAzyme. <i>Talanta</i> , 2018, 182, 292-298. | 5.5 | 23 |
| 71 | 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. | 6.5 | 23 |
| 72 | 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. | 7.8 | 22 |

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|----|--|------|-----------|
| 73 | 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. | 4.1 | 22 |
| 74 | PtRu nanoparticles supported on nitrogen-doped polyhedral mesoporous carbons as electrocatalyst for methanol oxidation. <i>Nanotechnology</i> , 2014, 25, 135607. | 2.6 | 21 |
| 75 | 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. | 2.7 | 21 |
| 76 | 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. | 2.9 | 20 |
| 77 | 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. | 3.8 | 18 |
| 78 | 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. | 10.1 | 17 |
| 79 | 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. | 5.4 | 17 |
| 80 | Electroreduction of D-glucose on CNT/graphite electrode modified by Zn and Zn-Fe alloy. <i>Journal of Solid State Electrochemistry</i> , 2005, 9, 498-503. | 2.5 | 16 |
| 81 | Target-induced photocurrent-polarity switching: a highly selective and sensitive photoelectrochemical sensing platform. <i>Chemical Communications</i> , 2019, 55, 8939-8942. | 4.1 | 16 |
| 82 | 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. | 10.3 | 16 |
| 83 | Catalytic graphitization of PAN-based carbon fibers by spontaneously deposited manganese oxides. <i>Transition Metal Chemistry</i> , 2009, 34, 559-563. | 1.4 | 15 |
| 84 | One-pot synthesis of PtRh/CD-CNTs for methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 14866-14874. | 7.1 | 15 |
| 85 | Synthesis of high-concentration B and N co-doped porous carbon polyhedra and their supercapacitive properties. <i>RSC Advances</i> , 2015, 5, 77527-77533. | 3.6 | 15 |
| 86 | Research on electrochemical properties of nonaqueous ionic liquid microemulsions. <i>Colloid and Polymer Science</i> , 2008, 286, 1499-1504. | 2.1 | 14 |
| 87 | Electropolymerization of pyrrole in ionic liquid microemulsion. <i>Journal of Applied Polymer Science</i> , 2012, 125, 2342-2347. | 2.6 | 13 |
| 88 | A new electrochemical aptasensor based on electrocatalytic property of graphene toward ascorbic acid oxidation. <i>Talanta</i> , 2015, 134, 699-704. | 5.5 | 13 |
| 89 | Amplified impedimetric DNA sensor based on graphene oxide-phenylboronic acid for sensitive detection of bleomycins. <i>New Journal of Chemistry</i> , 2014, 38, 2284. | 2.8 | 12 |
| 90 | 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. | 2.8 | 12 |

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|-----|---|-----|-----------|
| 91 | 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. | 3.7 | 12 |
| 92 | A sensitive photoelectrochemical methyltransferase activity assay based on a novel Z-scheme CdSe QD/afQD heterojunction and multiple signal amplification strategies. <i>Chemical Communications</i> , 2019, 55, 8166-8169. | 4.1 | 12 |
| 93 | 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. | 2.7 | 10 |
| 94 | 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. | 3.8 | 9 |
| 95 | Sensitive detection of bisphenol A based on a ratiometric electrochemical aptasensor. <i>Canadian Journal of Chemistry</i> , 2016, 94, 509-514. | 1.1 | 9 |
| 96 | 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. | 7.8 | 9 |
| 97 | Carbon nanotube-ionic liquid composite gel based high-performance bioanode for glucose/O ₂ biofuel cells. <i>Analytical Methods</i> , 2015, 7, 5060-5066. | 2.7 | 8 |
| 98 | 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. | 2.9 | 7 |
| 99 | 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. | 2.4 | 7 |
| 100 | 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. | 3.6 | 7 |
| 101 | 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. | 3.8 | 7 |
| 102 | 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. | 2.6 | 6 |
| 103 | Ethanol electrooxidation on platinum particles dispersed on poly(neutral red) film. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 1665-1670. | 2.9 | 5 |
| 104 | Investigation on conductivity of mixed surfactants reverse microemulsion. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 2033-2037. | 2.9 | 5 |
| 105 | Facilely Hierarchical Growth of N-Doped Carbon-Coated NiCo ₂ O ₄ Nanowire Arrays on Ni Foam for Advanced Supercapacitor Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , . | 6.7 | 4 |
| 106 | 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. | 2.8 | 3 |
| 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. | 2.6 | 1 |
| 108 | Sensitive electrochemical sensor of anthracene-9-carboxylic acid using an electropolymerized film modified glassy carbon electrode. <i>Analytical Methods</i> , 2013, 5, 1881. | 2.7 | 1 |

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|-----|---|----|-----------|
| 109 | Binding studies of L -tryptophan to human serum albumin with nanogold-structured sensor by piezoelectric quartz crystal impedance analysis. , 2010, , . | | 0 |