# Mei Yan

## List of Publications by Citations



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|---|---|---|---|
| 148 papers | 5,356 citations | 43 h-index | 66 g-index |
| 153 ext. papers | 5,938 ext. citations | 7.9 avg, IF | 5.86 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 148 | Three-dimensional paper-based electrochemiluminescence immunodevice for multiplexed measurement of biomarkers and point-of-care testing. *Biomaterials*, **2012**, 33, 1024-31 | 15.6 | 318 |
| 147 | Flexible Electronics Based on Micro/Nanostructured Paper. *Advanced Materials*, **2018**, 30, e1801588 | 24 | 185 |
| 146 | Flexible paper-based ZnO nanorod light-emitting diodes induced multiplexed photoelectrochemical immunoassay. *Chemical Communications*, **2014**, 50, 1417-9 | 5.8 | 148 |
| 145 | Electrochemical DNA sensor based on three-dimensional folding paper device for specific and sensitive point-of-care testing. *Electrochimica Acta*, **2012**, 80, 334-341 | 6.7 | 147 |
| 144 | Ultrasensitive electrochemical immunosensor based on Au nanoparticles dotted carbon nanotube-graphene composite and functionalized mesoporous materials. *Biosensors and Bioelectronics*, **2012**, 33, 29-35 | 11.8 | 139 |
| 143 | Photoelectrochemical lab-on-paper device based on an integrated paper supercapacitor and internal light source. *Analytical Chemistry*, **2013**, 85, 3961-70 | 7.8 | 130 |
| 142 | Paper-based electrochemiluminescent 3D immunodevice for lab-on-paper, specific, and sensitive point-of-care testing. *Chemistry - A European Journal*, **2012**, 18, 4938-45 | 4.8 | 123 |
| 141 | Molecularly Imprinted Polymer Grafted Porous Au-Paper Electrode for an Microfluidic Electro-Analytical Origami Device. *Advanced Functional Materials*, **2013**, 23, 3115-3123 | 15.6 | 101 |
| 140 | In-situ synthesized polypyrrole-cellulose conductive networks for potential-tunable foldable power paper. *Nano Energy*, **2017**, 31, 174-182 | 17.1 | 93 |
| 139 | Paper-Based Device for Colorimetric and Photoelectrochemical Quantification of the Flux of H2O2 Releasing from MCF-7 Cancer Cells. *Analytical Chemistry*, **2016**, 88, 5369-77 | 7.8 | 92 |
| 138 | Photoelectrochemical sensor for pentachlorophenol on microfluidic paper-based analytical device based on the molecular imprinting technique. *Biosensors and Bioelectronics*, **2014**, 56, 97-103 | 11.8 | 91 |
| 137 | An ultrasensitive electrochemical immunosensor based on the catalytical activity of MoS2-Au composite using Ag nanospheres as labels. *Sensors and Actuators B: Chemical*, **2015**, 206, 30-36 | 8.5 | 90 |
| 136 | Growth of gold-manganese oxide nanostructures on a 3D origami device for glucose-oxidase label based electrochemical immunosensor. *Biosensors and Bioelectronics*, **2014**, 61, 76-82 | 11.8 | 90 |
| 135 | A disposable electrochemical immunosensor based on carbon screen-printed electrodes for the detection of prostate specific antigen. *Biosensors and Bioelectronics*, **2012**, 38, 355-61 | 11.8 | 86 |
| 134 | Nanomaterials-modified cellulose paper as a platform for biosensing applications. *Nanoscale*, **2017**, 9, 4366-4382 | 7.7 | 85 |
| 133 | An aptasensor for sensitive detection of human breast cancer cells by using porous GO/Au composites and porous PtFe alloy as effective sensing platform and signal amplification labels. *Analytica Chimica Acta*, **2013**, 798, 33-9 | 6.6 | 84 |
| 132 | Multiplexed sandwich immunoassays using flow-injection electrochemiluminescence with designed substrate spatial-resolved technique for detection of tumor markers. *Biosensors and Bioelectronics*, **2013**, 41, 684-90 | 11.8 | 84 |

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| 131 | Ultrasensitive electrochemiluminescence assay of tumor cells and evaluation of HO on a paper-based closed-bipolar electrode by in-situ hybridization chain reaction amplification. *Biosensors and Bioelectronics*, **2018**, 102, 411-417 | 11.8 | 79 |
| 130 | Colorimetric detection of the flux of hydrogen peroxide released from living cells based on the high peroxidase-like catalytic performance of porous PtPd nanorods. *Biosensors and Bioelectronics*, **2015**, 71, 456-462 | 11.8 | 78 |
| 129 | Carbon nanostructures in biology and medicine. *Journal of Materials Chemistry B*, **2017**, 5, 6437-6450 | 7.3 | 76 |
| 128 | Paper-based electrochemical cyto-device for sensitive detection of cancer cells and in situ anticancer drug screening. *Analytica Chimica Acta*, **2014**, 847, 1-9 | 6.6 | 74 |
| 127 | A microfluidic origami electrochemiluminescence aptamer-device based on a porous Au-paper electrode and a phenyleneethynylene derivative. *Chemical Communications*, **2013**, 49, 1383-5 | 5.8 | 74 |
| 126 | Ultrasensitive Photoelectrochemical Biosensing of Cell Surface N-Glycan Expression Based on the Enhancement of Nanogold-Assembled Mesoporous Silica Amplified by Graphene Quantum Dots and Hybridization Chain Reaction. *ACS Applied Materials & Interfaces*, **2017**, 9, 6670-6678 | 9.5 | 72 |
| 125 | Paper-based electrochemiluminescence origami cyto-device for multiple cancer cells detection using porous AuPd alloy as catalytically promoted nanolabels. *Biosensors and Bioelectronics*, **2015**, 63, 450-457 | 11.8 | 71 |
| 124 | Visible photoelectrochemical sensing platform by in situ generated CdS quantum dots decorated branched-TiO nanorods equipped with Prussian blue electrochromic display. *Biosensors and Bioelectronics*, **2017**, 89, 859-865 | 11.8 | 64 |
| 123 | Facile and sensitive paper-based chemiluminescence DNA biosensor using carbon dots dotted nanoporous gold signal amplification label. *Analytical Methods*, **2013**, 5, 1328 | 3.2 | 64 |
| 122 | Multiplex electrochemical origami immunodevice based on cuboid silver-paper electrode and metal ions tagged nanoporous silver-chitosan. *Biosensors and Bioelectronics*, **2014**, 56, 167-73 | 11.8 | 59 |
| 121 | 3D origami electrochemical device for sensitive Pb testing based on DNA functionalized iron-porphyrinic metal-organic framework. *Biosensors and Bioelectronics*, **2017**, 87, 108-115 | 11.8 | 59 |
| 120 | Ultrasensitive Microfluidic Paper-Based Electrochemical Biosensor Based on Molecularly Imprinted Film and Boronate Affinity Sandwich Assay for Glycoprotein Detection. *ACS Applied Materials & Interfaces*, **2019**, 11, 16198-16206 | 9.5 | 58 |
| 119 | Microfluidic paper-based analytical device for photoelectrochemical immunoassay with multiplex signal amplification using multibranched hybridization chain reaction and PdAu enzyme mimetics. *Biosensors and Bioelectronics*, **2016**, 79, 416-22 | 11.8 | 57 |
| 118 | Sensitive and rapid detection of microRNAs using hairpin probes-mediated exponential isothermal amplification. *Biosensors and Bioelectronics*, **2017**, 89, 710-714 | 11.8 | 57 |
| 117 | Ultrasensitive electrochemiluminescence immunoassay for tumor marker detection using functionalized Ru-silica@nanoporous gold composite as labels. *Analyst, The*, **2012**, 137, 680-5 | 5 | 55 |
| 116 | 3D origami electrochemical immunodevice for sensitive point-of-care testing based on dual-signal amplification strategy. *Biosensors and Bioelectronics*, **2015**, 63, 7-13 | 11.8 | 54 |
| 115 | Magnetic beads-based electrochemiluminescence immunosensor for determination of cancer markers using quantum dot functionalized PtRu alloys as labels. *Analyst, The*, **2012**, 137, 2176-82 | 5 | 53 |
| 114 | Multiplexed enzyme-free electrochemical immunosensor based on ZnO nanorods modified reduced graphene oxide-paper electrode and silver deposition-induced signal amplification strategy. *Biosensors and Bioelectronics*, **2015**, 71, 30-36 | 11.8 | 52 |

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| 113 | Aptamer-Based electrochemiluminescent detection of MCF-7 cancer cells based on carbon quantum dots coated mesoporous silica nanoparticles. *Electrochimica Acta*, **2014**, 146, 262-269 | 6.7 | 51 |
| 112 | Graphene functionalized porous Au-paper based electrochemiluminescence device for detection of DNA using luminescent silver nanoparticles coated calcium carbonate/carboxymethyl chitosan hybrid microspheres as labels. *Biosensors and Bioelectronics*, **2014**, 59, 307-13 | 11.8 | 51 |
| 111 | Detection of □fetoprotein with an ultrasensitive electrochemiluminescence paper device based on green-luminescent nitrogen-doped graphene quantum dots. *Sensors and Actuators B: Chemical*, **2015**, 221, 799-806 | 8.5 | 50 |
| 110 | A Graphene-enhanced imaging of microRNA with enzyme-free signal amplification of catalyzed hairpin assembly in living cells. *Biosensors and Bioelectronics*, **2016**, 85, 909-914 | 11.8 | 49 |
| 109 | Metal-Enhanced Ratiometric Fluorescence/Naked Eye Bimodal Biosensor for Lead Ions Analysis with Bifunctional Nanocomposite Probes. *Analytical Chemistry*, **2017**, 89, 3597-3605 | 7.8 | 47 |
| 108 | Cyto-sensing in electrochemical lab-on-paper cyto-device for in-situ evaluation of multi-glycan expressions on cancer cells. *Biosensors and Bioelectronics*, **2015**, 63, 232-239 | 11.8 | 46 |
| 107 | Electrochemical K-562 cells sensor based on origami paper device for point-of-care testing. *Talanta*, **2015**, 145, 12-9 | 6.2 | 45 |
| 106 | A paper-based electrochemiluminescence electrode as an aptamer-based cytosensor using PtNi@carbon dots as nanolabels for detection of cancer cells and for in-situ screening of anticancer drugs. *Mikrochimica Acta*, **2016**, 183, 1873-1880 | 5.8 | 43 |
| 105 | A simple and rapid detection assay for peptides based on the specific recognition of aptamer and signal amplification of hybridization chain reaction. *Biosensors and Bioelectronics*, **2016**, 83, 15-8 | 11.8 | 43 |
| 104 | An origami electrochemiluminescence immunosensor based on gold/graphene for specific, sensitive point-of-care testing of carcinoembryonic antigen. *Sensors and Actuators B: Chemical*, **2014**, 193, 247-254 | 8.5 | 42 |
| 103 | Paper-based biosensor relying on flower-like reduced graphene guided enzymatically deposition of polyaniline for Pb(2+) detection. *Biosensors and Bioelectronics*, **2016**, 80, 215-221 | 11.8 | 41 |
| 102 | Gold nanorods-paper electrode based enzyme-free electrochemical immunoassay for prostate specific antigen using porous zinc oxide spheres□ilver nanoparticles nanocomposites as labels. *New Journal of Chemistry*, **2015**, 39, 6062-6067 | 3.6 | 39 |
| 101 | Graphene-palladium nanowires based electrochemical sensor using ZnFe2O4-graphene quantum dots as an effective peroxidase mimic. *Analytica Chimica Acta*, **2014**, 852, 181-8 | 6.6 | 39 |
| 100 | Paper-based biosensor for noninvasive detection of epidermal growth factor receptor mutations in non-small cell lung cancer patients. *Sensors and Actuators B: Chemical*, **2017**, 251, 440-445 | 8.5 | 37 |
| 99 | Multiplexed aptasensor for simultaneous detection of carcinoembryonic antigen and mucin-1 based on metal ion electrochemical labels and Ru(NH) electronic wires. *Biosensors and Bioelectronics*, **2018**, 99, 8-13 | 11.8 | 37 |
| 98 | Fluorescence "turn-on" determination of H2O2 using multilayer porous SiO2/NGQDs and PdAu mimetics enzymatic/oxidative cleavage of single-stranded DNA. *Biosensors and Bioelectronics*, **2016**, 82, 204-11 | 11.8 | 35 |
| 97 | Platelike WO3 sensitized with CdS quantum dots heterostructures for photoelectrochemical dynamic sensing of H2O2 based on enzymatic etching. *Biosensors and Bioelectronics*, **2016**, 85, 205-211 | 11.8 | 35 |
| 96 | Paper-Based Electronics: Flexible Electronics Based on Micro/Nanostructured Paper (Adv. Mater. 51/2018). *Advanced Materials*, **2018**, 30, 1870394 | 24 | 35 |

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| 95 | Fast response and highly selective detection of hydrogen sulfide with a ratiometric two-photon fluorescent probe and its application for bioimaging. *Sensors and Actuators B: Chemical*, **2018**, 261, 51-57 | 8.5 | 34 |
| 94 | Ultrasensitive electrochemiluminescence immunosensor using PtAg@carbon nanocrystals composites as labels and carbon nanotubes-chitosan/gold nanoparticles as enhancer. *Analyst, The*, **2012**, 137, 2112-8 | 5 | 34 |
| 93 | Growth and accelerated differentiation of mesenchymal stem cells on graphene-oxide-coated titanate with dexamethasone on surface of titanium implants. *Dental Materials*, **2017**, 33, 525-535 | 5.7 | 33 |
| 92 | Metal-enhanced fluorescence/visual bimodal platform for multiplexed ultrasensitive detection of microRNA with reusable paper analytical devices. *Biosensors and Bioelectronics*, **2017**, 95, 181-188 | 11.8 | 32 |
| 91 | Self-powered competitive immunosensor driven by biofuel cell based on hollow-channel paper analytical devices. *Biosensors and Bioelectronics*, **2015**, 71, 18-24 | 11.8 | 32 |
| 90 | Gold–silver nanocomposite-functionalized graphene sensing platform for an electrochemiluminescent immunoassay of a tumor marker. *RSC Advances*, **2013**, 3, 14701 | 3.7 | 32 |
| 89 | Electrochemiluminescence device for in-situ and accurate determination of CA153 at the MCF-7 cell surface based on graphene quantum dots loaded surface villous Au nanocage. *Biosensors and Bioelectronics*, **2015**, 71, 286-293 | 11.8 | 31 |
| 88 | An aldehyde group-based P-acid probe for selective fluorescence turn-on sensing of cysteine and homocysteine. *Biosensors and Bioelectronics*, **2016**, 80, 17-23 | 11.8 | 31 |
| 87 | Electrogenerated Chemiluminescence from a Phenyleneethynylene Derivative and its Ultrasensitive Immunosensing Application Using a Nanotubular Mesoporous PtAg Alloy for Signal Amplification. *Advanced Functional Materials*, **2012**, 22, 3899-3906 | 15.6 | 29 |
| 86 | TBET-based ratiometric fluorescent probe for Hg with large pseudo-Stokes shift and emission shift in aqueous media and intracellular colorimetric imaging in live Hela cells. *Biosensors and Bioelectronics*, **2018**, 121, 62-71 | 11.8 | 29 |
| 85 | Photoelectrochemical biosensor of HIV-1 based on cascaded photoactive materials and triple-helix molecular switch. *Biosensors and Bioelectronics*, **2019**, 139, 111325 | 11.8 | 28 |
| 84 | A sensitive quenched electrochemiluminescent DNA sensor based on the catalytic activity of gold nanoparticle functionalized MoS2. *New Journal of Chemistry*, **2015**, 39, 8100-8107 | 3.6 | 28 |
| 83 | Ultrasensitive detection of lead ion sensor based on gold nanodendrites modified electrode and electrochemiluminescent quenching of quantum dots by electrocatalytic silver/zinc oxide coupled structures. *Biosensors and Bioelectronics*, **2015**, 65, 176-82 | 11.8 | 28 |
| 82 | Aptamer based test stripe for ultrasensitive detection of mercury(II) using a phenylene-ethynylene reagent on nanoporous silver as a chemiluminescence reagent. *Mikrochimica Acta*, **2014**, 181, 663-670 | 5.8 | 27 |
| 81 | Photoelectrochemical lab-on-paper device based on molecularly imprinted polymer and porous Au-paper electrode. *Analyst, The*, **2013**, 138, 4802-11 | 5 | 27 |
| 80 | Electrochemiluminescence immunoassay using a paper electrode incorporating porous silver and modified with mesoporous silica nanoparticles functionalized with blue-luminescent carbon dots. *Mikrochimica Acta*, **2014**, 181, 1415-1422 | 5.8 | 26 |
| 79 | Three-dimensional nanoflower-like MnO2 functionalized graphene as catalytically promoted nanolabels for ultrasensitive electrochemiluminescence immunoassay. *Electrochimica Acta*, **2013**, 97, 333-340 | 6.7 | 25 |
| 78 | Progress in miRNA Detection Using Graphene Material-Based Biosensors. *Small*, **2019**, 15, e1901867 | 11 | 24 |

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| 77 | Application of indium tin oxide device in gold-coated magnetic iron solid support enhanced electrochemiluminescent immunosensor for determination of carcinoma embryonic antigen. *Sensors and Actuators B: Chemical*, **2012**, 171-172, 891-898 | 8.5 | 24 |
| 76 | Electrochemiluminescence of graphitic carbon nitride and its application in ultrasensitive detection of lead(II) ions. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 7181-91 | 4.4 | 24 |
| 75 | Paper-Based Analytical Devices Relying on Visible-Light-Enhanced Glucose/Air Biofuel Cells. *ACS Applied Materials & Interfaces*, **2015**, 7, 24330-7 | 9.5 | 22 |
| 74 | Triggerable HO-Cleavable Switch of Paper-Based Biochips Endows Precision of Chemometer/Ratiometric Electrochemical Quantification of Analyte in High-Efficiency Point-of-Care Testing. *Analytical Chemistry*, **2019**, 91, 10273-10281 | 7.8 | 22 |
| 73 | Internal Light Source-Driven Photoelectrochemical 3D-rGO/Cellulose Device Based on Cascade DNA Amplification Strategy Integrating Target Analog Chain and DNA Mimic Enzyme. *ACS Applied Materials & Interfaces*, **2017**, 9, 37839-37847 | 9.5 | 21 |
| 72 | Multifunctional reduced graphene oxide trigged chemiluminescence resonance energy transfer: Novel signal amplification strategy for photoelectrochemical immunoassay of squamous cell carcinoma antigen. *Biosensors and Bioelectronics*, **2016**, 79, 55-62 | 11.8 | 21 |
| 71 | Hierarchical hematite/TiO nanorod arrays coupled with responsive mesoporous silica nanomaterial for highly sensitive photoelectrochemical sensing. *Biosensors and Bioelectronics*, **2018**, 117, 515-521 | 11.8 | 21 |
| 70 | Fluorescence immunosensor based on p-acid-encapsulated silica nanoparticles for tumor marker detection. *Analyst, The*, **2012**, 137, 2834-9 | 5 | 21 |
| 69 | Self-powered sensor for Hg2+ detection based on hollow-channel paper analytical devices. *RSC Advances*, **2015**, 5, 24479-24485 | 3.7 | 20 |
| 68 | Steric paper based ratio-type electrochemical biosensor with hollow-channel for sensitive detection of Zn2+. *Science Bulletin*, **2017**, 62, 1114-1121 | 10.6 | 20 |
| 67 | A 3D electrochemical immunodevice based on an Au paper electrode and using Au nanoflowers for amplification. *New Journal of Chemistry*, **2016**, 40, 2835-2842 | 3.6 | 19 |
| 66 | Chemiluminescence excited paper-based photoelectrochemical competitive immunosensing based on porous ZnO spheres and CdS nanorods. *Journal of Materials Chemistry B*, **2014**, 2, 7679-7684 | 7.3 | 19 |
| 65 | Paper analytical devices for dynamic evaluation of cell surface N-glycan expression via a bimodal biosensor based on multibranched hybridization chain reaction amplification. *Biosensors and Bioelectronics*, **2016**, 86, 756-763 | 11.8 | 19 |
| 64 | Signal-switchable lab-on-paper photoelectrochemical aptasensing system integrated triple-helix molecular switch with charge separation and recombination regime of type-II CdTe@CdSe core-shell quantum dots. *Biosensors and Bioelectronics*, **2020**, 147, 111786 | 11.8 | 19 |
| 63 | A near-infrared light photoelectrochemical immunosensor based on a Au-paper electrode and naphthalocyanine sensitized ZnO nanorods. *Journal of Materials Chemistry B*, **2014**, 2, 4811-4817 | 7.3 | 18 |
| 62 | Cerium Dioxide-Mediated Signal "On-Off" by Resonance Energy Transfer on a Lab-On-Paper Device for Ultrasensitive Detection of Lead Ions. *ACS Applied Materials & Interfaces*, **2017**, 9, 32591-32598 | 9.5 | 18 |
| 61 | Peptide cleavage-mediated photoelectrochemical signal on-off via CuS electronic extinguisher for PSA detection. *Biosensors and Bioelectronics*, **2020**, 150, 111958 | 11.8 | 18 |
| 60 | On□ff□n fluorescence sensing of glutathione in food samples based on a graphitic carbon nitride (g-C3N4)□Cu2+ strategy. *New Journal of Chemistry*, **2017**, 41, 3374-3379 | 3.6 | 17 |

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| 59 | Electrochemiluminescence PSA assay using an ITO electrode modified with gold and palladium, and flower-like titanium dioxide microparticles as ECL labels. *Mikrochimica Acta*, **2015**, 182, 1009-1016 | 5.8 | 17 |
| 58 | Ultrasensitive chemiluminescence detection of DNA on a microfluidic paper-based analytical device. *Monatshefte Fü Chemie*, **2014**, 145, 129-135 | 1.4 | 17 |
| 57 | Ultrasensitive electrochemiluminescence detection of DNA based on nanoporous gold electrode and PdCu@carbon nanocrystal composites as labels. *Analyst, The*, **2012**, 137, 3314-20 | 5 | 17 |
| 56 | Self-powered sensing platform equipped with Prussian blue electrochromic display driven by photoelectrochemical cell. *Biosensors and Bioelectronics*, **2017**, 89, 728-734 | 11.8 | 16 |
| 55 | A photoelectrochemical biosensor using ruthenium complex-reduced graphene oxide hybrid as the photocurrent signal reporter assembled on rhombic TiO2 nanocrystals driven by visible light. *Analytica Chimica Acta*, **2014**, 828, 27-33 | 6.6 | 16 |
| 54 | Electrochemiluminescence DNA biosensor based on the use of gold nanoparticle modified graphite-like carbon nitride. *Mikrochimica Acta*, **2017**, 184, 2587-2596 | 5.8 | 15 |
| 53 | Electrochemiluminescence behavior of AgNCs and its application in immunosensors based on PANI/PPy-Ag dendrite-modified electrode. *Analyst, The*, **2017**, 142, 2587-2594 | 5 | 15 |
| 52 | Electropolymerized Poly(3,4-ethylendioxythiophene)/Graphene Composite Film and its Application in Quantum Dots Electrochemiluminescence Immunoassay. *Journal of Inorganic and Organometallic Polymers and Materials*, **2013**, 23, 719-725 | 3.2 | 14 |
| 51 | Branched zinc oxide nanorods arrays modified paper electrode for electrochemical immunosensing by combining biocatalytic precipitation reaction and competitive immunoassay mode. *Biosensors and Bioelectronics*, **2015**, 74, 823-9 | 11.8 | 13 |
| 50 | Noninvasive and Wearable Respiration Sensor Based on Organic Semiconductor Film with Strong Electron Affinity. *Analytical Chemistry*, **2019**, 91, 10320-10327 | 7.8 | 13 |
| 49 | Microfluidic Paper-Based Analytical Device for Sensitive Detection of Peptides Based on Specific Recognition of Aptamer and Amplification Strategy of Hybridization Chain Reaction. *ChemElectroChem*, **2017**, 4, 1744-1749 | 4.3 | 12 |
| 48 | A sensitive Pb2+ testing method based on aptamer-functionalized peroxidase-like 3D-flower MoS2 microspheres. *New Journal of Chemistry*, **2017**, 41, 7052-7060 | 3.6 | 12 |
| 47 | Dual-mode fluorescence biosensor platform based on T-shaped duplex structure for detection of microRNA and folate receptor. *Sensors and Actuators B: Chemical*, **2018**, 261, 44-50 | 8.5 | 12 |
| 46 | Multi-branch chemiluminescence molecular imprinting sensor for sequential determination of carbofuran and omethoate in foodstuff. *Analytical Methods*, **2012**, 4, 3150 | 3.2 | 12 |
| 45 | Monitoring of bovine serum albumin using ultrasensitive electrochemiluminescence biosensors based on multilayer CdTe quantum dots modified indium tin oxide electrodes. *Analytical Methods*, **2012**, 4, 460-466 | 3.2 | 12 |
| 44 | Flow injection electrochemiluminescence determination of L-lysine using tris(2,2?-bipyridyl) ruthenium(II) (Ru(bpy)32+) on indium tin oxide (ITO) glass. *Analytical Methods*, **2011**, 3, 1163 | 3.2 | 12 |
| 43 | Using carbon nanotubes-gold nanocomposites to quench energy from pinnate titanium dioxide nanorods array for signal-on photoelectrochemical aptasensing. *Biosensors and Bioelectronics*, **2016**, 82, 132-9 | 11.8 | 12 |
| 42 | Near-Infrared Light-Initiated Photoelectrochemical Biosensor Based on Upconversion Nanorods for Immobilization-Free miRNA Detection with Double Signal Amplification. *Analytical Chemistry*, **2021**, 93, 11251-11258 | 7.8 | 12 |

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| 41 | A novel conjugated polyfluorene: synthesis, characterization and application in label-free ECL immunoassays for biomarker detection. *Journal of Materials Chemistry*, **2012**, 22, 5568 | | 10 |
| 40 | Recognition-induced covalent capturing and labeling as a general strategy for protein detection. *Biosensors and Bioelectronics*, **2016**, 80, 560-565 | 11.8 | 10 |
| 39 | A near-infrared fluorescent probe with large stokes shift for accurate detection of β-glucuronidase in living cells and mouse models. *Sensors and Actuators B: Chemical*, **2021**, 326, 128849 | 8.5 | 10 |
| 38 | A FRET-based ratiometric two-photon fluorescent probe for superoxide anion detection and imaging in living cells and tissues. *Analyst, The*, **2019**, 144, 1704-1710 | 5 | 9 |
| 37 | A sensitive electrochemiluminescent immunosensor based on 3D-flower-like MoS2 microspheres and using AuPt nanoparticles for signal amplification. *RSC Advances*, **2016**, 6, 23411-23419 | 3.7 | 9 |
| 36 | Using "dioscorea batatas bean"-like silver nanoparticles based localized surface plasmon resonance to enhance the fluorescent signal of zinc oxide quantum dots in a DNA sensor. *Biosensors and Bioelectronics*, **2014**, 61, 344-50 | 11.8 | 9 |
| 35 | Ultrasensitive and specific microRNA detection via dynamic light scattering of DNA network based on rolling circle amplification. *Sensors and Actuators B: Chemical*, **2020**, 324, 128693 | 8.5 | 9 |
| 34 | Highly selective ratiometric fluorescent probe based on diketopyrrolopyrrole for Au3+: an experimental and theoretical study. *New Journal of Chemistry*, **2017**, 41, 5055-5060 | 3.6 | 8 |
| 33 | Ultrasensitive electrochemiluminescence aptasensor based on a graphene/polyaniline composite film modified electrode and CdS quantum dot coated platinum nanostructured networks as labels. *RSC Advances*, **2015**, 5, 70345-70351 | 3.7 | 8 |
| 32 | Electrochemiluminescent molecular logic gates based on MCNTs for the multiplexed analysis of mercury(II) and silver(I) ions. *RSC Advances*, **2016**, 6, 26147-26154 | 3.7 | 8 |
| 31 | Electrochemiluminescence of peroxydisulfate using flower-like Ag@Au-paper electrode and Pd@Au-assisted multiple enzymatic labels. *Electrochimica Acta*, **2014**, 141, 391-397 | 6.7 | 8 |
| 30 | Fluorescence-based immunoassay for human chorionic gonadotropin based on polyfluorene-coated silica nanoparticles and polyaniline-coated Fe3O4 nanoparticles. *Mikrochimica Acta*, **2013**, 180, 1509-1516 | 5.8 | 7 |
| 29 | Turning Nonspecific Interference into Signal Amplification: Covalent Biosensing Nanoassembly Enabled by Metal-Catalyzed Cross-Coupling. *Analytical Chemistry*, **2017**, 89, 6834-6839 | 7.8 | 6 |
| 28 | Highly sensitive hybridization assay using the electrochemiluminescence of an ITO electrode, CdTe quantum dots functionalized with hierarchical nanoporous PtFe nanoparticles, and magnetic graphene nanosheets. *Mikrochimica Acta*, **2014**, 181, 213-222 | 5.8 | 6 |
| 27 | Electrochemical Resonance of Molecular Motion Enabling Label-, Antibody-, and Enzyme-Free Detection of SARS-CoV-2. *ACS Sensors*, **2021**, 6, 1613-1620 | 9.2 | 6 |
| 26 | Amphiphilic copolymer fluorescent probe for mitochondrial viscosity detection and its application in living cells. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 252, 119499 | 4.4 | 6 |
| 25 | A novel fluorescence probe based on p-acid-Br and its application in thiourea detection. *RSC Advances*, **2016**, 6, 45001-45008 | 3.7 | 5 |
| 24 | Dual-channel colorimetric fluorescent probe for determination of hydrazine and mercury ion. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 258, 119868 | 4.4 | 5 |

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| 23 | A Novel Ratiometric Electrochemical Biosensor Using Only One Signal Tag for Highly Reliable and Ultrasensitive Detection of miRNA-21.. *Analytical Chemistry*, **2022**, 94, 5167-5172 | 7.8 | 5 |
| 22 | A reaction-based sensing scheme for volatile organic amine reagents with the chromophoric-fluorogenic dual mode. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 240, 118539 | 4.4 | 4 |
| 21 | Preparation of Fe(3)O(4)@C@CNC multifunctional magnetic core/shell nanoparticles and their application in a signal-type flow-injection photoluminescence immunosensor. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 9555-61 | 4.4 | 4 |
| 20 | Synthesis, characterization of a novel phenyleneethynylene derivative and application in a fluorescence DNA sensor. *Analytical Methods*, **2012**, 4, 4339 | 3.2 | 4 |
| 19 | A novel high selectivity sensor for tetradifon residues based on double-side hollow molecularly imprinted materials. *Analytical Methods*, **2012**, 4, 177-182 | 3.2 | 4 |
| 18 | Synthesis of polyaniline using electrochemical polymerization and application in a sensitive DNA biosensor with [Ru(bpy)3]2+ functionalized nanoporous gold composite as label. *Monatshefte F□ Chemie*, **2013**, 144, 1759-1765 | 1.4 | 4 |
| 17 | A Paper-Supported Photoelectrochemical Sensing Platform Based on Surface Plasmon Resonance Enhancement for Real-Time H2S Determination. *Journal of Analysis and Testing*, **2019**, 3, 89-98 | 3.2 | 4 |
| 16 | On-Demand Regulation of Photoreversible Color Switching for Rewritable Paper and Transient Information Encryption. *ACS Applied Materials & Interfaces*, **2021**, 13, 44797-44805 | 9.5 | 4 |
| 15 | Visual distance readout to display the level of energy generation in paper-based biofuel cells: application to enzymatic sensing of glucose. *Mikrochimica Acta*, **2019**, 186, 283 | 5.8 | 3 |
| 14 | An electrochemical immunoassay based on trepang-like gold electrodes and nanogold functionalized flower-like hierarchical carbon materials with improved sensitivity. *New Journal of Chemistry*, **2015**, 39, 3452-3460 | 3.6 | 3 |
| 13 | Glucose oxidase-encapsulated nanogold hollow microspheres as labels based on a sensitive electroluminescent immunoassay. *RSC Advances*, **2014**, 4, 52796-52803 | 3.7 | 3 |
| 12 | Magnetic nanoparticle-based electrochemiluminescent immunosensor for detection of carcinoembryonic antigen based on silica nanosphere@gold nanoparticles-Ru as labels. *Monatshefte F□ Chemie*, **2014**, 145, 113-120 | 1.4 | 3 |
| 11 | An enzyme-activated two-photon ratiometric fluorescent probe with lysosome targetability for imaging □-glucuronidase in colon cancer cells and tissue.. *Analytica Chimica Acta*, **2022**, 1192, 339354 | 6.6 | 3 |
| 10 | A 4-N,N-dimethylaminoaniline salicylaldehyde Schiff-base solution-solid dual emissive fluorophore: An aggregation-induced turquoise emission characteristics in liquid as a fluorescent probe for Zn response; a strong near-infrared emission in solid state and application for optical data storage. | 4.4 | 3 |
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