

# Xuewen Wang

## List of Publications by Year in descending order

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96  
papers

2,191  
citations

186265

28  
h-index

289244

40  
g-index

98  
all docs

98  
docs citations

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times ranked

2581  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Nitrogen-doped carbon quantum dots as an antimicrobial agent against <i>Staphylococcus</i> for the treatment of infected wounds. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 179, 17-27.   | 5.0  | 93        |
| 2  | Antibacterial activity of positively charged carbon quantum dots without detectable resistance for wound healing with mixed bacteria infection. <i>Materials Science and Engineering C</i> , 2021, 123, 111971.  | 7.3  | 73        |
| 3  | Quaternized carbon quantum dots with broad-spectrum antibacterial activity for the treatment of wounds infected with mixed bacteria. <i>Acta Biomaterialia</i> , 2022, 138, 528-544.   | 8.3  | 70        |
| 4  | Ratiometric electrochemical immunoassay based on internal reference value for reproducible and sensitive detection of tumor marker. <i>Biosensors and Bioelectronics</i> , 2016, 81, 173-180.  | 10.1 | 67        |
| 5  | Colorimetric acid phosphatase sensor based on MoO <sub>3</sub> nanozyme. <i>Analytica Chimica Acta</i> , 2020, 1105, 162-168.  | 5.4  | 66        |
| 6  | Analysis of the Total Biflavonoids Extract from <i>Selaginella doederleinii</i> by HPLC-QTOF-MS and Its In Vitro and In Vivo Anticancer Effects. <i>Molecules</i> , 2017, 22, 325.   | 3.8  | 64        |
| 7  | Electrochemical Characterization of Polymerized Cresol Red Film Modified Glassy Carbon Electrode and Separation of Electrocatalytic Responses for Ascorbic Acid and Dopamine Oxidation. <i>Mikrochimica Acta</i> , 2005, 151, 101-107.                                     | 5.0  | 62        |
| 8  | Preparative Isolation of six Anti-Tumour Biflavonoids from <i>Selaginella Doederleinii</i> Hieron by High-Speed Counter-Current Chromatography. <i>Phytochemical Analysis</i> , 2014, 25, 127-133.   | 2.4  | 59        |
| 9  | Delicaflavone induces ROS-mediated apoptosis and inhibits PI3K/AKT/mTOR and Ras/MEK/Erk signaling pathways in colorectal cancer cells. <i>Biochemical Pharmacology</i> , 2020, 171, 113680.  | 4.4  | 57        |
| 10 | Electrocatalytic Oxidation and Determination of Dopamine in the Presence of Ascorbic Acid and Uric Acid at a Poly (4-(2-Pyridylazo)-Resorcinol) Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2007, 19, 612-615.  | 2.9  | 56        |
| 11 | Electrochemical biosensor based on nanoporous gold electrode for detection of PML/RAR $\alpha$ fusion gene. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3812-3817.  | 10.1 | 50        |
| 12 | A gold electrode with a flower-like gold nanostructure for simultaneous determination of dopamine and ascorbic acid. <i>Mikrochimica Acta</i> , 2013, 180, 537-544.  | 5.0  | 47        |
| 13 | CuO nanoleaf electrode: facile preparation and nonenzymatic sensor applications. <i>Mikrochimica Acta</i> , 2013, 180, 371-378.  | 5.0  | 47        |
| 14 | Ethyl acetate extract from <i>Selaginella doederleinii</i> Hieron inhibits the growth of human lung cancer cells A549 via caspase-dependent apoptosis pathway. <i>Journal of Ethnopharmacology</i> , 2016, 190, 261-271.   | 4.1  | 45        |
| 15 | Electrochemiluminescence sensor based on methionine-modified gold nanoclusters for highly sensitive determination of dopamine released by cells. <i>Mikrochimica Acta</i> , 2017, 184, 735-743.  | 5.0  | 45        |
| 16 | Rapid construction of polyetheretherketone (PEEK) biological implants incorporated with brushite (CaHPO <sub>4</sub> ·2H <sub>2</sub> O) and antibiotics for anti-infection and enhanced osseointegration. <i>Materials Science and Engineering C</i> , 2020, 111, 110782. | 7.3  | 45        |
| 17 | Delicaflavone induces autophagic cell death in lung cancer via Akt/mTOR/p70S6K signaling pathway. <i>Journal of Molecular Medicine</i> , 2017, 95, 311-322.  | 3.9  | 44        |
| 18 | Ratiometric fluorescence sensor based on carbon dots as internal reference signal and T7 exonuclease-assisted signal amplification strategy for microRNA-21 detection. <i>Analytica Chimica Acta</i> , 2020, 1103, 212-219.  | 5.4  | 44        |

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|----|---|-----|-----------|
| 19 | The Distributional Characteristic and Growing Trend of Pancreatic Cancer in China. <i>Pancreas</i> , 2019, 48, 309-314.   | 1.1 | 42        |
| 20 | Simple and effective label-free electrochemical immunoassay for carbohydrate antigen 19-9 based on polythionine-Au composites as enhanced sensing signals for detecting different clinical samples. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 3049-3058.      | 6.7 | 40        |
| 21 | Improved solubility, dissolution rate, and oral bioavailability of main biflavonoids from <i>Selaginella doederleinii</i> extract by amorphous solid dispersion. <i>Drug Delivery</i> , 2020, 27, 309-322.  | 5.7 | 38        |
| 22 | A comprehensive review of recent studies on pharmacokinetics of traditional Chinese medicines (2014-2017) and perspectives. <i>Drug Metabolism Reviews</i> , 2018, 50, 161-192.   | 3.6 | 35        |
| 23 | Delicaflavone induces apoptosis via mitochondrial pathway accompanying G2/M cycle arrest and inhibition of MAPK signaling cascades in cervical cancer HeLa cells. <i>Phytomedicine</i> , 2019, 62, 152973.  | 5.3 | 35        |
| 24 | A novel nanocomposite matrix based on graphene oxide and ferrocene-branched organically modified sol-gel/chitosan for biosensor application. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1941-1949.  | 2.5 | 34        |
| 25 | A facile route for constructing Cu-N-C peroxidase mimics. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8599-8606.   | 5.8 | 31        |
| 26 | Electrocatalytic Oxidation and Determination of Norepinephrine at Poly(Cresol Red) Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2005, 17, 941-945.  | 2.9 | 29        |
| 27 | Signal-on fluorescent sensor based on GQDs-MnO <sub>2</sub> composite for glutathione. <i>Analytical Methods</i> , 2016, 8, 2366-2374.  | 2.7 | 28        |
| 28 | A signal-on ratiometric fluorometric heparin assay based on the direct interaction between amino-modified carbon dots and DNA. <i>Mikrochimica Acta</i> , 2018, 185, 260.   | 5.0 | 28        |
| 29 | Nitrogen-doped carbon dots as a ratiometric fluorescent probe for determination of the activity of acid phosphatase, for inhibitor screening, and for intracellular imaging. <i>Mikrochimica Acta</i> , 2019, 186, 558.   | 5.0 | 28        |
| 30 | Fabrication and multifunctional properties of ultrasmall water-soluble tungsten oxide quantum dots. <i>Chemical Communications</i> , 2016, 52, 9534-9537.   | 4.1 | 27        |
| 31 | Simultaneous quantification of five biflavonoids in rat plasma by LC-ESI-MS/MS and its application to a comparatively pharmacokinetic study of <i>Selaginella doederleinii</i> Hieron extract in rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 80-88. | 2.8 | 26        |
| 32 | A Sandwich-Type Electrochemical Biosensor for Detection of BCR/ABL Fusion Gene Using Locked Nucleic Acids on Gold Electrode. <i>Electroanalysis</i> , 2009, 21, 1159-1166.  | 2.9 | 25        |
| 33 | Proliposomes for oral delivery of total biflavonoids extract from <i>Selaginella doederleinii</i> : formulation development, optimization, and in vitro/in vivo characterization. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 6691-6706.                        | 6.7 | 24        |
| 34 | Selective electrochemical determination of dopamine in serum in the presence of ascorbic acid and uric acid by using a CuO nanoleaf electrode. <i>Analytical Methods</i> , 2014, 6, 7923-7927.  | 2.7 | 22        |
| 35 | Highly sensitive and rapid colorimetric sensing platform based on water-soluble WO <sub>3</sub> quantum dots with intrinsic peroxidase-like activity. <i>Analytica Chimica Acta</i> , 2017, 992, 128-134.   | 5.4 | 22        |
| 36 | Dual-probe fluorescent biosensor based on T7 exonuclease-assisted target recycling amplification for simultaneous sensitive detection of microRNA-21 and microRNA-155. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1605-1614.  | 3.7 | 22        |

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|----|--|-----|-----------|
| 37 | Anticancer effect of petroleum ether extract from <i>Bidens pilosa</i> L and its constituent's analysis by GC-MS. <i>Journal of Ethnopharmacology</i> , 2018, 217, 126-133.  | 4.1 | 21        |
| 38 | Recent Research Progress (2015–2021) and Perspectives on the Pharmacological Effects and Mechanisms of Tanshinone IIA. <i>Frontiers in Pharmacology</i> , 2021, 12, 778847.  | 3.5 | 20        |
| 39 | Electrochemical Studies of the Interaction of 2-Nitroacridone with DNA and Determination of DNA. <i>Electroanalysis</i> , 2007, 19, 1765-1772.   | 2.9 | 19        |
| 40 | A label-free electrochemical immunosensor based on poly(thionine)-SDS nanocomposites for CA19-9 detection. <i>Analytical Methods</i> , 2015, 7, 4508-4513.   | 2.7 | 19        |
| 41 | A Simple and Effective Colorimetric Assay for Glucose Based on MnO <sub>2</sub> Nanosheets. <i>Sensors</i> , 2018, 18, 2525.   | 3.8 | 19        |
| 42 | Facile electrochemiluminescence sensing platform based on water-soluble tungsten oxide quantum dots for ultrasensitive detection of dopamine released by cells. <i>Analytica Chimica Acta</i> , 2019, 1065, 21-28.       | 5.4 | 19        |
| 43 | Facile surface functional polyetheretherketone with antibacterial and immunoregulatory activities for enhanced regeneration toward bacterium-infected bone destruction. <i>Drug Delivery</i> , 2021, 28, 1649-1663.      | 5.7 | 18        |
| 44 | Determination of Seven Biflavones of <i>Selaginella Doederleinii</i> by High Performance Liquid Chromatography. <i>Analytical Letters</i> , 2013, 46, 2835-2845.   | 1.8 | 17        |
| 45 | Fluorescent turn-off competitive immunoassay for biotin based on hydrothermally synthesized carbon dots. <i>Mikrochimica Acta</i> , 2017, 184, 907-914.  | 5.0 | 17        |
| 46 | Fluorescence sensing of tyrosinase activity based on amine rich carbon dots through direct interaction in a homogeneous system: detection mechanism and application. <i>RSC Advances</i> , 2019, 9, 20029-20034.         | 3.6 | 17        |
| 47 | PRSS1 mutation: a possible pathomechanism of pancreatic carcinogenesis and pancreatic cancer. <i>Molecular Medicine</i> , 2019, 25, 44.  | 4.4 | 16        |
| 48 | Insight into the DNA adsorption on nitrogen-doped positive carbon dots. <i>RSC Advances</i> , 2019, 9, 12462-12469.  | 3.6 | 16        |
| 49 | Isoorientin attenuates doxorubicin-induced cardiac injury via the activation of MAPK, Akt, and Caspase-dependent signaling pathways. <i>Phytomedicine</i> , 2022, 101, 154105.   | 5.3 | 16        |
| 50 | Surging HIV-1 CRF07_BC epidemic among recently infected men who have sex with men in Fujian, China. <i>Journal of Medical Virology</i> , 2018, 90, 1210-1221.  | 5.0 | 15        |
| 51 | Integration of fluorescent polydopamine nanoparticles on protamine for simple and sensitive trypsin assay. <i>Analytica Chimica Acta</i> , 2021, 1148, 338201.   | 5.4 | 15        |
| 52 | A signal-off fluorescent strategy for deferasirox effective detection using carbon dots as probe and Cu <sup>2+</sup> as medium. <i>Analytica Chimica Acta</i> , 2021, 1179, 338853.                                     | 5.4 | 15        |
| 53 | Identification of Pharmacokinetic Markers for Guanxin Danshen Drop Pills in Rats by Combination of Pharmacokinetics, Systems Pharmacology, and Pharmacodynamic Assays. <i>Frontiers in Pharmacology</i> , 2018, 9, 1493. | 3.5 | 14        |
| 54 | On-Line Screening and Identification of Radical Scavenging Compounds Extracted from <i>Flos Lonicerae</i> by LC-DAD-TOF-MS. <i>Chromatographia</i> , 2008, 68, 327-332.  | 1.3 | 13        |

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|----|--|------|-----------|
| 55 | A strategy for integrated pharmacokinetic study of cardiovascular herbal medicines based on chemiluminescence and HPLC-MS/MS assays: a case using Danshen injection. <i>RSC Advances</i> , 2017, 7, 13570-13583.   | 3.6  | 13        |
| 56 | Electrochemical DNA biosensor based on grafting-to mode of terminal deoxynucleoside transferase-mediated extension. <i>Biosensors and Bioelectronics</i> , 2017, 98, 345-349.  | 10.1 | 13        |
| 57 | Carbon nitride quantum dot-enhanced chemiluminescence of hydrogen peroxide and hydrosulfite and its application in ascorbic acid sensing. <i>Analytical Methods</i> , 2018, 10, 474-480.   | 2.7  | 13        |
| 58 | Ethyl Acetate Extract of <i>Selaginella doederleinii</i> Hieron Induces Cell Autophagic Death and Apoptosis in Colorectal Cancer via PI3K-Akt-mTOR and AMPK $\pm$ -Signaling Pathways. <i>Frontiers in Pharmacology</i> , 2020, 11, 565090.  | 3.5  | 13        |
| 59 | Synthesis of curcumin-quaternized carbon quantum dots with enhanced broad-spectrum antibacterial activity for promoting infected wound healing. <i>Materials Science and Engineering C</i> , 2022, 133, 112608.  | 7.3  | 13        |
| 60 | A robust and versatile signal-on fluorescence sensing strategy based on SYBR Green I dye and&nbsp;graphene oxide. <i>International Journal of Nanomedicine</i> , 2014, 10, 147.  | 6.7  | 12        |
| 61 | Pharmacokinetics, Tissue Distribution and Protein Binding Studies of Chrysocauloflavone I in Rats. <i>Planta Medica</i> , 2016, 82, 217-223.   | 1.3  | 12        |
| 62 | Metabolism and plasma pharmacokinetics of isoorientin, a natural active ingredient, in Sprague-Dawley male rats after oral and intravenous administration. <i>Xenobiotica</i> , 2015, 45, 999-1008.  | 1.1  | 11        |
| 63 | Electrochemical immunoassay based on polythionine as the signal source for the sensitive detection of carcinoma embryonic antigen. <i>Analytical Methods</i> , 2015, 7, 10339-10344.   | 2.7  | 11        |
| 64 | An electrochemical sensor based on DNA polymerase and HRP-SiO <sub>2</sub> nanoparticles for the ultrasensitive detection of K-ras gene point mutation. <i>RSC Advances</i> , 2016, 6, 8669-8676.  | 3.6  | 11        |
| 65 | Determination of chondroitin sulfate in synovial fluid and drug by ratiometric fluorescence strategy based on carbon dots quenched FAM-labeled ssDNA. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 192, 111030.   | 5.0  | 11        |
| 66 | Sensitive electrochemical immunosensor based on three-dimensional nanostructure gold electrode. <i>International Journal of Nanomedicine</i> , 2015, 10, 2219.   | 6.7  | 10        |
| 67 | Aptamer based turn-off fluorescent ATP assay using DNA concatamers. <i>Mikrochimica Acta</i> , 2015, 182, 2387-2393.   | 5.0  | 10        |
| 68 | <p>Protective effects of five compounds from <em>Livistona chinensis</em> R. Brown leaves against hypoxia/reoxygenation, H <sub>2</sub> O <sub>2</sub> , or adriamycin-induced injury in H9c2 cells</p>. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 1555-1566. | 4.3  | 10        |
| 69 | Molecular mechanism and pharmacokinetics of flavonoids in the treatment of resistant EGF receptorâ€˜mutated nonâ€˜smallâ€˜cell lung cancer: A narrative review. <i>British Journal of Pharmacology</i> , 2021, 178, 1388-1406.   | 5.4  | 10        |
| 70 | Pharmacokinetics, Tissue Distribution, and Human Serum Albumin Binding Properties of Delicaflavone, a Novel Anti-Tumor Candidate. <i>Frontiers in Pharmacology</i> , 2021, 12, 761884.   | 3.5  | 10        |
| 71 | Microarray analysis of longâ€˜noncoding RNAs and mRNA expression profiles in human steroidâ€˜induced avascular necrosis of the femoral head. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 15800-15813.   | 2.6  | 9         |
| 72 | A simple fluorescence assay for trypsin through a protamine-induced carbon quantum dot-quenching aggregation platform. <i>RSC Advances</i> , 2020, 10, 26765-26770.  | 3.6  | 9         |

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| 73 | &lt;p&gt;Delicaflavone Reverses Cisplatin Resistance via Endoplasmic Reticulum Stress Signaling Pathway in Non-Small Cell Lung Cancer Cells&lt;/p&gt;. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 10315-10322.  | 2.0 | 8         |
| 74 | Potential mechanism of action of <i>Ixeris sonchifolia</i> extract injection against cardiovascular diseases revealed by combination of HPLC-Q-TOF-MS, virtual screening and systems pharmacology approach. <i>RSC Advances</i> , 2020, 10, 38497-38504.                   | 3.6 | 8         |
| 75 | Boosting the oxidase-like activity of platinum nanozyme in MBTH-TOOS chromogenic system for detection of trypsin and its inhibitor. <i>Talanta</i> , 2021, 234, 122647.  | 5.5 | 8         |
| 76 | Simultaneous Determination of Eight Phenolic Acids, Five Saponins and Four Tanshinones for Quality Control of Compound Preparations Containing Danshen-Sanqi Herb-pair by HPLC-DAD. <i>Pharmacognosy Magazine</i> , 2017, 13, 64-75.                                       | 0.6 | 8         |
| 77 | Simultaneous Determination of Five Phenolic Acids and Four Flavonoid Glycosides in Rat Plasma Using HPLC-MS/MS and Its Application to a Pharmacokinetic Study after a Single Intravenous Administration of Kudiezi Injection. <i>Molecules</i> , 2019, 24, 64.             | 3.8 | 7         |
| 78 | Detection of Epidermal Growth Factor Receptor Gene Status <i>via</i> a DNA Electrochemical Biosensor Based on Lambda Exonuclease-assisted Signal Amplification. <i>Analytical Sciences</i> , 2020, 36, 697-702.  | 1.6 | 7         |
| 79 | Electrochemical Oxidation and Determination of Norepinephrine in the Presence of Ascorbic Acid and Uric Acid at a Poly(Calconcarboxylic Acid)-Modified Electrode. <i>Annali Di Chimica</i> , 2007, 97, 1217-1226.  | 0.6 | 6         |
| 80 | DPPH- <i>luminol</i> chemiluminescence system and its application in the determination of scutellarin in pharmaceutical injections and rat plasma with flow injection analysis. <i>Luminescence</i> , 2017, 32, 588-595.   | 2.9 | 6         |
| 81 | An integrated pharmacokinetic study of Dengzhanxin injection in rats by combination of multicomponent pharmacokinetics and anti-myocardial ischemic assay. <i>RSC Advances</i> , 2019, 9, 25309-25317.   | 3.6 | 6         |
| 82 | The PLGA nanoparticles for sustainable release of CGRP to ameliorate the inflammatory and vascular disorders in the lung of CGRP-deficient rats. <i>Drug Delivery</i> , 2021, 28, 865-872.   | 5.7 | 6         |
| 83 | Development of an Electrochemical Sensing Technique for Rapid Genotyping of Hepatitis B Virus. <i>Sensors</i> , 2014, 14, 5611-5621.   | 3.8 | 5         |
| 84 | Pharmacokinetics study of isorhamnetin in rat plasma by a sensitive electrochemical sensor based on reduced graphene oxide. <i>RSC Advances</i> , 2017, 7, 36728-36734.  | 3.6 | 5         |
| 85 | Facilely prepared low-density DNA monolayer-based electrochemical biosensor with high detection performance in human serum. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2101-2109.  | 3.7 | 5         |
| 86 | Synthesis, biological evaluation, pharmacokinetic studies and molecular docking of 4-acetyl-delicaflavone as antitumor agents. <i>Bioorganic Chemistry</i> , 2022, 120, 105638.  | 4.1 | 5         |
| 87 | An electrochemical DNA sensor for detection of cytokeratin 19. <i>Analytical Methods</i> , 2013, 5, 2329.  | 2.7 | 4         |
| 88 | <i>In Situ</i> Growth of Plasmonic Gold Nanoparticles for the Direct and Sensitive Colorimetric Assay of Glucose. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 378-383.  | 1.9 | 4         |
| 89 | Rapid Determination of 7-Hydroxycoumarin Using a Nanogold/ Poly-thionine Modified Glass Carbon Electrode. <i>Analytical Sciences</i> , 2021, 37, 1073-1079.  | 1.6 | 4         |
| 90 | Disclosing targets and pharmacological mechanisms of total bioflavonoids extracted from <i>Selaginella doederleinii</i> against non-small cell lung cancer by combination of network pharmacology and proteomics. <i>Journal of Ethnopharmacology</i> , 2022, 286, 114836. | 4.1 | 4         |

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|----|--|-----|-----------|
| 91 | Design of a Solidâ€State Electrochemiluminescence Biosensor for Detection of PML/RARÎ± Fusion Gene Using Ru(bpy) <sub>3</sub> <sup>2+</sup> @AuNPs Aggregations on Gold Electrode. <i>Electroanalysis</i> , 2013, 25, 1388-1394. | 2.9 | 2         |
| 92 | Metalâ€organic framework-based biomimetic cascade bioreactor for highly efficient treatment of hyperuricemia with low side effects. <i>New Journal of Chemistry</i> , 2022, 46, 6852-6855.                                       | 2.8 | 2         |
| 93 | Tissue Distribution, Excretion, and Interaction With Human Serum Albumin of Total Bioflavonoid Extract From <i>Selaginella doederleinii</i> . <i>Frontiers in Pharmacology</i> , 2022, 13, 849110.                               | 3.5 | 2         |
| 94 | Chemiluminescent properties of a fluorescent SiCâ€SiO <sub>x</sub> composite. <i>RSC Advances</i> , 2016, 6, 86602-86606.  | 3.6 | 1         |
| 95 | A molecular switch sensor for detection of PRSS1 genotype based on site-specific DNA cleavage of restriction endonuclease. <i>Annals of Clinical and Laboratory Science</i> , 2015, 45, 128-33.                                  | 0.2 | 1         |
| 96 | Label-free colorimetric detection of glutathione by autocatalytic oxidation of o-phenylenediamine based on Au <sup>3+</sup> regulation and its application. <i>New Journal of Chemistry</i> , 2021, 45, 9066-9072.               | 2.8 | 0         |