# Shao-Huang Weng

List of Publications by Year
in descending order



| 63 | 1,666 | 257450 24 | 315739 38 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 64 | 64 | 64 | 2139 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Nitrogen-doped carbon quantum dots as an antimicrobial agent against Staphylococcus for the treatment of infected wounds. Colloids and Surfaces B: Biointerfaces, 2019, 179, 17-27. | 5.0 | 93 |
| 2 | A unique turn-off fluorescent strategy for sensing dopamine based on formed polydopamine (pDA) using graphene quantum dots (GQDs) as fluorescent probe. Sensors and Actuators B: Chemical, 2015, 221, 7-14. | 7.8 | 92 |
| 3 | Colorimetric detection of sulfide based on target-induced shielding against the peroxidase-like activity of gold nanoparticles. Analytica Chimica Acta, 2014, 852, 218-222. | 5.4 | 86 |
| 4 | Antibacterial activity of positively charged carbon quantum dots without detectable resistance for wound healing with mixed bacteria infection. Materials Science and Engineering C, 2021, 123, 111971. | 7.3 | 73 |
| 5 | Quaternized carbon quantum dots with broad-spectrum antibacterial activity for the treatment of wounds infected with mixed bacteria. Acta Biomaterialia, 2022, 138, 528-544. | 8.3 | 70 |
| 6 | Ratiometric electrochemical immunoassay based on internal reference value for reproducible and sensitive detection of tumor marker. Biosensors and Bioelectronics, 2016, 81, 173-180. | 10.1 | 67 |
| 7 | Quaternary ammonium carbon quantum dots as an antimicrobial agent against gram-positive bacteria for the treatment of MRSA-infected pneumonia in mice. Carbon, 2020, 163, 70-84. | 10.3 | 58 |
| 8 | Switch-on fluorescent strategy based on N and S co-doped graphene quantum dots (N-S/GQDs) for monitoring pyrophosphate ions in synovial fluid of arthritis patients. Sensors and Actuators B: Chemical, 2016, 229, 217-224. | 7.8 | 57 |
| 9 | Label-free electrochemical immunosensor based on K3[Fe(CN)6] as signal for facile and sensitive determination of tumor necrosis factor-alpha. Sensors and Actuators B: Chemical, 2013, 184, 1-7. | 7.8 | 56 |
| 10 | A gold electrode with a flower-like gold nanostructure for simultaneous determination of dopamine and ascorbic acid. Mikrochimica Acta, 2013, 180, 537-544. | 5.0 | 47 |
| 11 | CuO nanoleaf electrode: facile preparation and nonenzymatic sensor applications. Mikrochimica Acta, 2013, 180, 371-378. | 5.0 | 47 |
| 12 | Rapid construction of polyetheretherketone (PEEK) biological implants incorporated with brushite (CaHPO4Â·2H2O) and antibiotics for anti-infection and enhanced osseointegration. Materials Science and Engineering C, 2020, 111, 110782. | 7.3 | 45 |
| 13 | Ratiometric fluorescence sensor based on carbon dots as internal reference signal and T7 exonuclease-assisted signal amplification strategy for microRNA-21 detection. Analytica Chimica Acta, 2020, 1103, 212-219. | 5.4 | 44 |
| 14 | Positive carbon dots with dual roles of nanoquencher and reference signal for the ratiometric fluorescence sensing of DNA. Sensors and Actuators B: Chemical, 2018, 264, 193-201. | 7.8 | 42 |
| 15 | 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. International Journal of Nanomedicine, 2017, Volume 12, 3049-3058. | 6.7 | 40 |
| 16 | Antibacterial mechanism of Tetrastigma hemsleyanum Diels et Gilg's polysaccharides by metabolomics based on HPLC/MS. International Journal of Biological Macromolecules, 2019, 140, 206-215. | 7.5 | 40 |
| 17 | Bimetallic PtAu alloy nanomaterials for nonenzymatic selective glucose sensing at low potential. Journal of Electroanalytical Chemistry, 2020, 865, 114147. | 3.8 | 35 |
| 18 | Ultrasensitive and reliable dopamine sensor based on polythionine/AuNPs composites. Journal of Electroanalytical Chemistry, 2015, 748, 16-22. | 3.8 | 31 |

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|---|---|---|---|
| 19 | Selective and sensitive fluorescent monitoring of acid phosphatase (ACP) activity under neutral conditions through the ACP enzymatic catalysis of dopamine as a new substrate to polydopamine. Sensors and Actuators B: Chemical, 2019, 297, 126784. | 7.8 | 31 |
| 20 | Enho Mutations Causing Low Adropin: A Possible Pathomechanism of MPO-ANCA Associated Lung Injury. EBioMedicine, 2016, 9, 324-335. | 6.1 | 29 |
| 21 | Signal-on fluorescent sensor based on GQDsâ€“MnO<sub>2</sub> composite for glutathione. Analytical Methods, 2016, 8, 2366-2374. | 2.7 | 28 |
| 22 | A signal-on ratiometric fluorometric heparin assay based on the direct interaction between amino-modified carbon dots and DNA. Mikrochimica Acta, 2018, 185, 260. | 5.0 | 28 |
| 23 | Pancreatic cancer and associated exosomes. Cancer Biomarkers, 2017, 20, 357-367. | 1.7 | 27 |
| 24 | A fluorescent sensor constructed from nitrogen-doped carbon nanodots (N-CDs) for pH detection in synovial fluid and urea determination. RSC Advances, 2018, 8, 41432-41438. | 3.6 | 27 |
| 25 | Halloysite clay nanotubes as effective nanocarriers for the adsorption and loading of vancomycin for sustained release. RSC Advances, 2017, 7, 21352-21359. | 3.6 | 25 |
| 26 | <p>Proliposomes for oral delivery of total biflavonoids extract from <em>Selaginella doederleinii</em>: formulation development, optimization, and in vitroâ€“in vivo characterization</p>. International Journal of Nanomedicine, 2019, Volume 14, 6691-6706. | 6.7 | 24 |
| 27 | Sensitive electrochemical immunoassay of metallothionein-3 based on K3[Fe(CN)6] as a redox-active signal and C-dots/Nafion film for antibody immobilization. Analyst, The, 2013, 138, 7341. | 3.5 | 22 |
| 28 | Selective electrochemical determination of dopamine in serum in the presence of ascorbic acid and uric acid by using a CuO nanoleaf electrode. Analytical Methods, 2014, 6, 7923-7927. | 2.7 | 22 |
| 29 | Dual-probe fluorescent biosensor based on T7 exonuclease-assisted target recycling amplification for simultaneous sensitive detection of microRNA-21 and microRNA-155. Analytical and Bioanalytical Chemistry, 2021, 413, 1605-1614. | 3.7 | 22 |
| 30 | A label-free electrochemical immunosensor based on poly(thionine)â€“SDS nanocomposites for CA19-9 detection. Analytical Methods, 2015, 7, 4508-4513. | 2.7 | 19 |
| 31 | Sensitive electrochemical immunoassay based on polythionine-Au nanocomposites as enhanced sensing signal for selective detection of biomarker with high isoelectric point. Sensors and Actuators B: Chemical, 2015, 216, 307-315. | 7.8 | 19 |
| 32 | A Simple and Effective Colorimetric Assay for Glucose Based on MnO2 Nanosheets. Sensors, 2018, 18, 2525. | 3.8 | 19 |
| 33 | Facile surface functional polyetheretherketone with antibacterial and immunoregulatory activities for enhanced regeneration toward bacterium-infected bone destruction. Drug Delivery, 2021, 28, 1649-1663. | 5.7 | 18 |
| 34 | Fluorescent turn-off competitive immunoassay for biotin based on hydrothermally synthesized carbon dots. Mikrochimica Acta, 2017, 184, 907-914. | 5.0 | 17 |
| 35 | pH-responsive and porous vancomycin-loaded PLGA microspheres: evidence of controlled and sustained release for localized inflammation inhibition in vitro. RSC Advances, 2018, 8, 37424-37432. | 3.6 | 17 |
| 36 | Fluorescence sensing of tyrosinase activity based on amine rich carbon dots through direct interaction in a homogeneous system: detection mechanism and application. RSC Advances, 2019, 9, 20029-20034. | 3.6 | 17 |

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|---|---|---|---|
| 37 | Insight into the DNA adsorption on nitrogen-doped positive carbon dots. RSC Advances, 2019, 9, 12462-12469. | 3.6 | 16 |
| 38 | Determination and the pharmacokinetic study of tigecycline by fluorescence strategy with F, N codoping carbon dots as probe. Sensors and Actuators B: Chemical, 2022, 361, 131721. | 7.8 | 16 |
| 39 | Integration of fluorescent polydopamine nanoparticles on protamine for simple and sensitive trypsin assay. Analytica Chimica Acta, 2021, 1148, 338201. | 5.4 | 15 |
| 40 | A signal-off fluorescent strategy for deferasirox effective detection using carbon dots as probe and Cu2+ as medium. Analytica Chimica Acta, 2021, 1179, 338853. | 5.4 | 15 |
| 41 | Nanoporous gold electrode prepared from two-step square wave voltammetry (SWV) and its application for electrochemical DNA biosensing of lung resistance related protein (LRP) gene. Journal of Electroanalytical Chemistry, 2019, 840, 165-173. | 3.8 | 14 |
| 42 | A robust and versatile signal-on fluorescence sensing strategy based on SYBR Green I dye and graphene oxide. International Journal of Nanomedicine, 2014, 10, 147. | 6.7 | 12 |
| 43 | Electrochemical immunosensor for detection of topoisomerase based on grapheneâ€“gold nanocomposites. Talanta, 2014, 125, 439-445. | 5.5 | 12 |
| 44 | A glassy carbon electrode based on graphene quantum dots (GQDs) for simultaneous detection of acetaminophen and ascorbic acid. Analytical Methods, 2015, 7, 8877-8881. | 2.7 | 11 |
| 45 | Electrochemical immunoassay based on polythionine as the signal source for the sensitive detection of carcinoma embryonic antigen. Analytical Methods, 2015, 7, 10339-10344. | 2.7 | 11 |
| 46 | An electrochemical sensor based on DNA polymerase and HRP-SiO<sub>2</sub> nanoparticles for the ultrasensitive detection of K-ras gene point mutation. RSC Advances, 2016, 6, 8669-8676. | 3.6 | 11 |
| 47 | Determination of chondroitin sulfate in synovial fluid and drug by ratiometric fluorescence strategy based on carbon dots quenched FAM-labeled ssDNA. Colloids and Surfaces B: Biointerfaces, 2020, 192, 111030. | 5.0 | 11 |
| 48 | A facile approach for fabrication of three-dimensional platinum-nanoporous gold film and its application for sensitive detection of microRNA-126 combining with catalytic hairpin assembly reaction. Journal of Electroanalytical Chemistry, 2021, 886, 115109. | 3.8 | 11 |
| 49 | Aptamer based turn-off fluorescent ATP assay using DNA concatamers. Mikrochimica Acta, 2015, 182, 2387-2393. | 5.0 | 10 |
| 50 | A simple fluorescence assay for trypsin through a protamine-induced carbon quantum dot-quenching aggregation platform. RSC Advances, 2020, 10, 26765-26770. | 3.6 | 9 |
| 51 | Dual-Modal Biosensor for the Determination of Femtomolar miRNA-126 Based on Electrochemical Impedance Spectroscopy and Electrochemiluminescence with Hybridization Chain Reaction Amplification. Journal of the Electrochemical Society, 2020, 167, 167502. | 2.9 | 9 |
| 52 | Dual-mode biosensor for femtomolar miRNA-155 detection by electrochemiluminescence and adsorptive stripping voltammetry. Microchemical Journal, 2021, 165, 106091. | 4.5 | 8 |
| 53 | Antibodies to Type IV Collagen Induce Type 1 Autoimmune Pancreatitis. Inflammation, 2016, 39, 592-600. | 3.8 | 7 |
| 54 | Positively Charged and <scp>pH</scp>â€sensitive Carbon Dots for Fluorescence Detection of Copper Ion. Bulletin of the Korean Chemical Society, 2021, 42, 227-234. | 1.9 | 7 |

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|---|---|---|---|
| 55 | Facile Fluorescence Dopamine Detection Strategy Based on Acid Phosphatase (ACP) Enzymatic Oxidation Dopamine to Polydopamine. Chemical and Pharmaceutical Bulletin, 2020, 68, 628-634. | 1.3 | 6 |
| 56 | Development of an Electrochemical Sensing Technique for Rapid Genotyping of Hepatitis B Virus. Sensors, 2014, 14, 5611-5621. | 3.8 | 5 |
| 57 | In Situ Growth of Plasmonic Gold Nanoparticles for the Direct and Sensitive Colorimetric Assay of Glucose. Bulletin of the Korean Chemical Society, 2017, 38, 378-383. | 1.9 | 4 |
| 58 | Rapid Determination of 7-Hydroxycoumarin Using a Nanogold/ Poly-thionine Modified Glass Carbon Electrode. Analytical Sciences, 2021, 37, 1073-1079. | 1.6 | 4 |
| 59 | A 1,10-phenanthroline fluorescence probe for real-time visualization of Ni2+. Journal of the Iranian Chemical Society, 2021, 18, 2567-2573. | 2.2 | 2 |
| 60 | Ratiometric fluorescence assay based on carbon dots and Cu<sup>2+</sup>-catalyzed oxidation ofO-phenylenediamine for the effective detection of deferasirox. RSC Advances, 2021, 11, 34525-34532. | 3.6 | 2 |
| 61 | Fluorescence enhanced sensing of cysteine based on reactive probe of naphthalene-quinoline. Journal of the Iranian Chemical Society, 2022, 19, 2377-2382. | 2.2 | 2 |
| 62 | A molecular switch sensor for detection of PRSS1 genotype based on site-specific DNA cleavage of restriction endonuclease. Annals of Clinical and Laboratory Science, 2015, 45, 128-33. | 0.2 | 1 |
| 63 | High diagnostic value of plasma fibrinogen for osteomyelitis of the jaws after oral cancer surgery. Oral Diseases, 2022, 28, 1907-1910. | 3.0 | 0 |