

# Shao-Huang Weng

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

1,666  
citations

257450

24  
h-index

315739

38  
g-index

64  
all docs

64  
docs citations

64  
times ranked

2139  
citing authors

#	ARTICLE	IF	CITATIONS
1	High diagnostic value of plasma fibrinogen for osteomyelitis of the jaws after oral cancer surgery. <i>Oral Diseases</i> , 2022, 28, 1907-1910.	3.0	0
2	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
3	Fluorescence enhanced sensing of cysteine based on reactive probe of naphthalene-quinoline. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 2377-2382.	2.2	2
4	Determination and the pharmacokinetic study of tigecycline by fluorescence strategy with F, N codoping carbon dots as probe. <i>Sensors and Actuators B: Chemical</i> , 2022, 361, 131721.	7.8	16
5	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
6	A 1,10-phenanthroline fluorescence probe for real-time visualization of Ni <sup>2+</sup> . <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 2567-2573.	2.2	2
7	Integration of fluorescent polydopamine nanoparticles on protamine for simple and sensitive trypsin assay. <i>Analytica Chimica Acta</i> , 2021, 1148, 338201.	5.4	15
8	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
9	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. <i>Journal of Electroanalytical Chemistry</i> , 2021, 886, 115109.	3.8	11
10	Dual-mode biosensor for femtomolar miRNA-155 detection by electrochemiluminescence and adsorptive stripping voltammetry. <i>Microchemical Journal</i> , 2021, 165, 106091.	4.5	8
11	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
12	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
13	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
14	Positively Charged and pH-sensitive Carbon Dots for Fluorescence Detection of Copper Ion. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 227-234.	1.9	7
15	Ratiometric fluorescence assay based on carbon dots and Cu <sup>2+</sup> -catalyzed oxidation of <i>o</i> -phenylenediamine for the effective detection of deferasirox. <i>RSC Advances</i> , 2021, 11, 34525-34532.	3.6	2
16	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
17	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
18	Facile Fluorescence Dopamine Detection Strategy Based on Acid Phosphatase (ACP) Enzymatic Oxidation Dopamine to Polydopamine. <i>Chemical and Pharmaceutical Bulletin</i> , 2020, 68, 628-634.	1.3	6

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19	Quaternary ammonium carbon quantum dots as an antimicrobial agent against gram-positive bacteria for the treatment of MRSA-infected pneumonia in mice. <i>Carbon</i> , 2020, 163, 70-84.	10.3	58
20	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
21	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
22	Bimetallic PtAu alloy nanomaterials for nonenzymatic selective glucose sensing at low potential. <i>Journal of Electroanalytical Chemistry</i> , 2020, 865, 114147.	3.8	35
23	Dual-Modal Biosensor for the Determination of Femtomolar miRNA-126 Based on Electrochemical Impedance Spectroscopy and Electrochemiluminescence with Hybridization Chain Reaction Amplification. <i>Journal of the Electrochemical Society</i> , 2020, 167, 167502.	2.9	9
24	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. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126784.	7.8	31
25	&lt;p&gt;Proliposomes for oral delivery of total biflavonoids extract from &lt;em&gt;Selaginella doederleinii&lt;/em&gt;: formulation development, optimization, and in vitro&quot;in vivo characterization&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 6691-6706.	6.7	24
26	Antibacterial mechanism of Tetrastigma hemsleyanum Diels et Gilg's polysaccharides by metabolomics based on HPLC/MS. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 206-215.	7.5	40
27	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
28	Insight into the DNA adsorption on nitrogen-doped positive carbon dots. <i>RSC Advances</i> , 2019, 9, 12462-12469.	3.6	16
29	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. <i>Journal of Electroanalytical Chemistry</i> , 2019, 840, 165-173.	3.8	14
30	Nitrogen-doped carbon quantum dots as an antimicrobial agent against Staphylococcus for the treatment of infected wounds. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 179, 17-27.	5.0	93
31	Positive carbon dots with dual roles of nanoquencher and reference signal for the ratiometric fluorescence sensing of DNA. <i>Sensors and Actuators B: Chemical</i> , 2018, 264, 193-201.	7.8	42
32	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
33	A fluorescent sensor constructed from nitrogen-doped carbon nanodots (N-CDs) for pH detection in synovial fluid and urea determination. <i>RSC Advances</i> , 2018, 8, 41432-41438.	3.6	27
34	pH-responsive and porous vancomycin-loaded PLGA microspheres: evidence of controlled and sustained release for localized inflammation inhibition <i>in vitro</i>. <i>RSC Advances</i> , 2018, 8, 37424-37432.	3.6	17
35	A Simple and Effective Colorimetric Assay for Glucose Based on MnO <sub>2</sub> Nanosheets. <i>Sensors</i> , 2018, 18, 2525.	3.8	19
36	Fluorescent turn-off competitive immunoassay for biotin based on hydrothermally synthesized carbon dots. <i>Mikrochimica Acta</i> , 2017, 184, 907-914.	5.0	17

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37	<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
38	Halloysite clay nanotubes as effective nanocarriers for the adsorption and loading of vancomycin for sustained release. <i>RSC Advances</i> , 2017, 7, 21352-21359.	3.6	25
39	Pancreatic cancer and associated exosomes. <i>Cancer Biomarkers</i> , 2017, 20, 357-367.	1.7	27
40	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
41	Enho Mutations Causing Low Adropin: A Possible Pathomechanism of MPO-ANCA Associated Lung Injury. <i>EBioMedicine</i> , 2016, 9, 324-335.	6.1	29
42	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
43	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
44	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. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 217-224.	7.8	57
45	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
46	Antibodies to Type IV Collagen Induce Type 1 Autoimmune Pancreatitis. <i>Inflammation</i> , 2016, 39, 592-600.	3.8	7
47	A unique turn-off fluorescent strategy for sensing dopamine based on formed polydopamine (pDA) using graphene quantum dots (GQDs) as fluorescent probe. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 7-14.	7.8	92
48	Ultrasensitive and reliable dopamine sensor based on polythionine/AuNPs composites. <i>Journal of Electroanalytical Chemistry</i> , 2015, 748, 16-22.	3.8	31
49	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
50	Sensitive electrochemical immunoassay based on polythionine-Au nanocomposites as enhanced sensing signal for selective detection of biomarker with high isoelectric point. <i>Sensors and Actuators B: Chemical</i> , 2015, 216, 307-315.	7.8	19
51	A glassy carbon electrode based on graphene quantum dots (GQDs) for simultaneous detection of acetaminophen and ascorbic acid. <i>Analytical Methods</i> , 2015, 7, 8877-8881.	2.7	11
52	Aptamer based turn-off fluorescent ATP assay using DNA concatamers. <i>Mikrochimica Acta</i> , 2015, 182, 2387-2393.	5.0	10
53	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
54	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

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55	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
56	Development of an Electrochemical Sensing Technique for Rapid Genotyping of Hepatitis B Virus. <i>Sensors</i> , 2014, 14, 5611-5621.	3.8	5
57	Electrochemical immunosensor for detection of topoisomerase based on graphene&quot;gold nanocomposites. <i>Talanta</i> , 2014, 125, 439-445.	5.5	12
58	Colorimetric detection of sulfide based on target-induced shielding against the peroxidase-like activity of gold nanoparticles. <i>Analytica Chimica Acta</i> , 2014, 852, 218-222.	5.4	86
59	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
60	Label-free electrochemical immunosensor based on K <sub>3</sub> [Fe(CN) <sub>6</sub> ] as signal for facile and sensitive determination of tumor necrosis factor-alpha. <i>Sensors and Actuators B: Chemical</i> , 2013, 184, 1-7.	7.8	56
61	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
62	CuO nanoleaf electrode: facile preparation and nonenzymatic sensor applications. <i>Mikrochimica Acta</i> , 2013, 180, 371-378.	5.0	47
63	Sensitive electrochemical immunoassay of metallothionein-3 based on K <sub>3</sub> [Fe(CN) <sub>6</sub> ] as a redox-active signal and C-dots/Nafion film for antibody immobilization. <i>Analyst, The</i> , 2013, 138, 7341.	3.5	22