

# Guorong Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9088581/publications.pdf>

Version: 2024-02-01

83  
papers

3,295  
citations

126858

33  
h-index

175177

52  
g-index

83  
all docs

83  
docs citations

83  
times ranked

2346  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver nanoparticle-embedded hydrogel as a photothermal platform for combating bacterial infections. <i>Chemical Engineering Journal</i> , 2020, 382, 122990.	6.6	171
2	Multifunctional Injectable Hydrogel Dressings for Effectively Accelerating Wound Healing: Enhancing Biomineralization Strategy. <i>Advanced Functional Materials</i> , 2021, 31, 2100093.	7.8	168
3	Multifunctional Magnetic Copper Ferrite Nanoparticles as Fenton-like Reaction and Near-Infrared Photothermal Agents for Synergetic Antibacterial Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 31649-31660.	4.0	143
4	Carbon cloth-supported nanorod-like conductive Ni/Co bimetal MOF: A stable and high-performance enzyme-free electrochemical sensor for determination of glucose in serum and beverage. <i>Food Chemistry</i> , 2021, 349, 129202.	4.2	122
5	Construction of Chitosan-Based Hydrogel Incorporated with Antimonene Nanosheets for Rapid Capture and Elimination of Bacteria. <i>Advanced Functional Materials</i> , 2020, 30, 2003196.	7.8	116
6	Innovative Dual-Emitting Ratiometric Fluorescence Sensor for Tetracyclines Detection Based on Boron Nitride Quantum Dots and Europium Ions. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17185-17193.	3.2	102
7	A sensitive and selective approach for detection of tetracyclines using fluorescent molybdenum disulfide nanoplates. <i>Food Chemistry</i> , 2019, 297, 124969.	4.2	79
8	2D/1D Zn <sub>0.7</sub> Cd <sub>0.3</sub> S p-n heterogeneous junction enhanced with NiWO <sub>4</sub> for efficient photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 113-124.	5.0	77
9	Highly selective and sensitive fluorescence detection of hydroquinone using novel silicon quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2018, 275, 415-421.	4.0	70
10	Electrochemical behavior of reduced graphene oxide/cyclodextrins sensors for ultrasensitive detection of imidacloprid in brown rice. <i>Food Chemistry</i> , 2020, 333, 127495.	4.2	70
11	Fluorescence and Colorimetric Dual-Mode Ratiometric Sensor Based on Zr-Tetraphenylporphyrin Tetrasulfonic Acid Hydrate Metal-Organic Frameworks for Visual Detection of Copper Ions. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 13848-13857.	4.0	69
12	Dual-Emission Zr-MOF-Based Composite Material as a Fluorescence Turn-On Sensor for the Ultrasensitive Detection of Al <sup>3+</sup> . <i>Inorganic Chemistry</i> , 2020, 59, 18205-18213.	1.9	68
13	Multifunctional chitosan-copper-gallic acid based antibacterial nanocomposite wound dressing. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 10-22.	3.6	61
14	Superhydrophobic SERS substrates based on silver dendrite-decorated filter paper for trace detection of nitenpyram. <i>Analytica Chimica Acta</i> , 2019, 1049, 170-178.	2.6	59
15	Green Regenerative Hydrogel Wound Dressing Functionalized by Natural Drug-Food Homologous Small Molecule Self-Assembled Nanospheres. <i>Advanced Functional Materials</i> , 2022, 32, 2106572.	7.8	58
16	Ingenious dual-emitting Ru@UiO-66-NH <sub>2</sub> composite as ratiometric fluorescence sensor for detection of mercury in aqueous. <i>Journal of Hazardous Materials</i> , 2021, 408, 124469.	6.5	56
17	Dual-functional intelligent gelatin based packaging film for maintaining and monitoring the shrimp freshness. <i>Food Hydrocolloids</i> , 2022, 124, 107258.	5.6	56
18	Construction of a photothermal hydrogel platform with two-dimensional PEG@zirconium-ferrocene MOF nanozymes for rapid tissue repair of bacteria-infected wounds. <i>Acta Biomaterialia</i> , 2021, 135, 342-355.	4.1	55

#	ARTICLE	IF	CITATIONS
19	Food spoilage, bioactive food fresh-keeping films and functional edible coatings: Research status, existing problems and development trend. <i>Trends in Food Science and Technology</i> , 2022, 119, 122-132.	7.8	54
20	Metal-polydopamine framework based lateral flow assay for high sensitive detection of tetracycline in food samples. <i>Food Chemistry</i> , 2021, 339, 127854.	4.2	52
21	Surface morphology-controllable magnetic covalent organic frameworks: A novel electrocatalyst for simultaneously high-performance detection of p-nitrophenol and o-nitrophenol. <i>Talanta</i> , 2020, 219, 121255.	2.9	51
22	Europium-based metal-organic framework containing characteristic metal chains: A novel turn-on fluorescence sensor for simultaneous high-performance detection and removal of tetracycline. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129610.	4.0	46
23	Integrating electrochemical sensor based on MoO <sub>3</sub> /Co <sub>3</sub> O <sub>4</sub> heterostructure for highly sensitive sensing of nitrite in sausages and water. <i>Food Chemistry</i> , 2022, 367, 130666.	4.2	46
24	Diverse Dyes-Embedded <i>Staphylococcus aureus</i> as Potential Biocarriers for Enhancing Sensitivity in Biosensing. <i>Analytical Chemistry</i> , 2021, 93, 6731-6738.	3.2	45
25	Development of functional gelatin-based composite films incorporating oil-in-water lavender essential oil nano-emulsions: Effects on physicochemical properties and cherry tomatoes preservation. <i>LWT - Food Science and Technology</i> , 2021, 142, 110987.	2.5	44
26	Molecular engineering of a colorimetric two-photon fluorescent probe for visualizing H <sub>2</sub> S level in lysosome and tumor. <i>Analytica Chimica Acta</i> , 2019, 1077, 273-280.	2.6	43
27	Macro-meso-microporous carbon composite derived from hydrophilic metal-organic framework as high-performance electrochemical sensor for neonicotinoid determination. <i>Journal of Hazardous Materials</i> , 2021, 411, 125122.	6.5	43
28	In situ fabrication of metal-organic framework derived hybrid nanozymes for enhanced nanozyme-photothermal therapy of bacteria-infected wounds. <i>Composites Part B: Engineering</i> , 2022, 229, 109465.	5.9	42
29	Three-dimensional Cu/C porous composite: Facile fabrication and efficient catalytic reduction of 4-nitrophenol. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 768-777.	5.0	41
30	Sustainable films containing AIE-active berberine-based nanoparticles: A promising antibacterial food packaging. <i>Food Hydrocolloids</i> , 2022, 123, 107147.	5.6	40
31	In situ preparation of FeSe nanorods-functionalized carbon cloth for efficient and stable electrochemical detection of nitrite. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128452.	4.0	37
32	Polydopamine coated zirconium metal-organic frameworks-based immunochromatographic assay for highly sensitive detection of deoxynivalenol. <i>Analytica Chimica Acta</i> , 2020, 1131, 109-117.	2.6	36
33	Fe <sub>3</sub> O <sub>4</sub> @CuS-based immunochromatographic test strips and their application to label-free and dual-readout detection of <i>Escherichia coli</i> O157:H7 in food. <i>Food Chemistry</i> , 2020, 332, 127398.	4.2	35
34	Gold nanoparticles-functionalized microorganisms assisted construction of immunobiosensor for sensitive detection of ochratoxin A in food samples. <i>Sensors and Actuators B: Chemical</i> , 2019, 299, 126969.	4.0	34
35	Sodium alginate-based nanocomposite films with strong antioxidant and antibacterial properties enhanced by polyphenol-rich kiwi peel extracts bio-reduced silver nanoparticles. <i>Food Packaging and Shelf Life</i> , 2021, 29, 100741.	3.3	34
36	Multifunctional bacteria-derived tags for advancing immunoassay analytical performance with dual-channel switching and antibodies bioactivity sustaining. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113538.	5.3	33

#	ARTICLE	IF	CITATIONS
37	Rapid simultaneous adsorption and SERS detection of acid orange II using versatile gold nanoparticles decorated NH <sub>2</sub> -MIL-101(Cr). <i>Analytica Chimica Acta</i> , 2020, 1129, 126-135.	2.6	32
38	Nitrogen, silicon co-doped carbon dots as the fluorescence nanoprobe for trace p-nitrophenol detection based on inner filter effect. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 244, 118876.	2.0	32
39	Carbon quantum dot-based fluorometric nitrite assay by exploiting the oxidation of iron(II) to iron(III). <i>Mikrochimica Acta</i> , 2018, 185, 129.	2.5	31
40	Construction and multifunctionalization of chitosan-based three-phase nano-delivery system. <i>Food Hydrocolloids</i> , 2019, 96, 402-411.	5.6	31
41	Bio-inspired self-cleaning carbon cloth based on flower-like Ag nanoparticles and leaf-like MOF: A high-performance and reusable substrate for SERS detection of azo dyes in soft drinks. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129080.	4.0	31
42	A colorimetric and fluorescent dual-readout probe based on red emission carbon dots for nitrite detection in meat products. <i>Food Chemistry</i> , 2022, 374, 131768.	4.2	31
43	Visual and fluorescent detection of mercury ions using a dual-emission ratiometric fluorescence nanomixture of carbon dots cooperating with gold nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 223, 117364.	2.0	30
44	Highly selective and sensitive fluorescence detection of tetracyclines based on novel tungsten oxide quantum dots. <i>Food Chemistry</i> , 2022, 374, 131774.	4.2	30
45	“Lighting-up” methylene blue-embedded zirconium based organic framework triggered by Al <sup>3+</sup> for advancing the sensitivity of E. coli O157:H7 analysis in dual-signal lateral flow immunochromatographic assay. <i>Journal of Hazardous Materials</i> , 2022, 425, 128034.	6.5	30
46	Hierarchical molybdenum disulfide nanosheets based lateral flow immunoassay for highly sensitive detection of tetracycline in food samples. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128440.	4.0	28
47	An innovative prussian blue nanocubes decomposition-assisted signal amplification strategy suitable for competitive lateral flow immunoassay to sensitively detect aflatoxin B1. <i>Food Chemistry</i> , 2021, 344, 128711.	4.2	27
48	3D/2D TMSs/TiO <sub>2</sub> nanofibers heterojunctions for photodynamic-photothermal and oxidase-like synergistic antibacterial therapy co-driven by VIS and NIR biowindows. <i>Composites Part B: Engineering</i> , 2022, 230, 109498.	5.9	27
49	A novel Fe <sub>3</sub> O <sub>4</sub> -Fe <sub>2</sub> O <sub>3</sub> nanocubes-based multiplex immunochromatographic assay for simultaneous detection of deoxynivalenol and aflatoxin B1 in food samples. <i>Food Control</i> , 2021, 123, 107811.	2.8	26
50	A novel colorimetric and fluorometric probe for biothiols based on MnO <sub>2</sub> NFs-Rhodamine B system. <i>Analytica Chimica Acta</i> , 2020, 1127, 39-48.	2.6	25
51	Semi-sacrificial template growth-assisted self-supporting MOF chip: A versatile and high-performance SERS sensor for food contaminants monitoring. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 131025.	4.0	25
52	Rhombic-like Al nanosupporter-based fluorescent immunochromatographic assay for the sensitive detection of tetracycline. <i>Sensors and Actuators B: Chemical</i> , 2020, 324, 128721.	4.0	23
53	Diversely positive-charged gold nanoparticles based biosensor: A label-free and sensitive tool for foodborne pathogen detection. <i>Food Chemistry: X</i> , 2019, 3, 100052.	1.8	22
54	Rose petals-like Bi semimetal embedded on the zeolitic imidazolate frameworks based-immunochromatographic strip to sensitively detect acetamiprid. <i>Journal of Hazardous Materials</i> , 2022, 423, 127202.	6.5	22

#	ARTICLE	IF	CITATIONS
55	Immunochromatographic Assay Based on Polydopamine-Decorated Iridium Oxide Nanoparticles for the Rapid Detection of Salbutamol in Food Samples. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 28899-28907.	4.0	21
56	Near-Infrared Light-Regulated Drug-Food Homologous Bioactive Molecules and Photothermal Collaborative Precise Antibacterial Therapy Nanoplatform with Controlled Release Property. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100546.	3.9	21
57	Fluorescent detection of tetracycline in foods based on carbon dots derived from natural red beet pigment. <i>LWT - Food Science and Technology</i> , 2022, 157, 113100.	2.5	21
58	Gold nanoparticles-functionalized three-dimensional flower-like manganese dioxide: A high-sensitivity thermal analysis immunochromatographic sensor. <i>Food Chemistry</i> , 2021, 341, 128231.	4.2	20
59	Surface engineering of carbon selenide nanofilms on carbon cloth: An advanced and ultrasensitive self-supporting binder-free electrode for nitrite sensing. <i>Food Chemistry</i> , 2021, 340, 127953.	4.2	20
60	A bacteria-triggered wearable colorimetric band-aid for real-time monitoring and treating of wound healing. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 913-922.	5.0	20
61	NiCu nanoalloy embedded in N-doped porous carbon composite as superior electrochemical sensor for neonicotinoid determination. <i>Food Chemistry</i> , 2022, 384, 132607.	4.2	20
62	Silicon-doped carbon quantum dots with blue and green emission are a viable ratiometric fluorescent probe for hydroquinone. <i>Mikrochimica Acta</i> , 2019, 186, 399.	2.5	19
63	Chitosan-based bifunctional composite aerogel combining absorption and phototherapy for bacteria elimination. <i>Carbohydrate Polymers</i> , 2020, 247, 116739.	5.1	19
64	Surface Selenylation Engineering for Construction of a Hierarchical NiSe <sub>2</sub> /Carbon Nanorod: A High-Performance Nonenzymatic Glucose Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 22866-22873.	4.0	19
65	A Naturally Derived Nanocomposite Film with Photodynamic Antibacterial Activity: New Prospect for Sustainable Food Packaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 52998-53008.	4.0	19
66	A screen printed carbon electrode modified with a lamellar nanocomposite containing dendritic silver nanostructures, reduced graphene oxide, and $\beta$ -cyclodextrin for voltammetric sensing of nitrite. <i>Mikrochimica Acta</i> , 2019, 186, 319.	2.5	18
67	Three-dimensional (3D) hierarchical structure engineering of AuNPs/Co(OH) <sub>2</sub> nanocomposite on carbon cloth: An advanced and efficient electrode for highly sensitive and specific determination of nitrite. <i>Sensors and Actuators B: Chemical</i> , 2021, 342, 130061.	4.0	17
68	A portable kit based on thiol-ene Michael addition for acrylamide detection in thermally processed foods. <i>Food Chemistry</i> , 2022, 373, 131465.	4.2	17
69	Ratiometric Fluorescent Probe Based on Diazotization-Coupling Reaction for Determination of Clenbuterol. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 11578-11585.	2.4	16
70	A bifunctional nanoplatform based on copper manganate nanoflakes for bacterial elimination via a catalytic and photothermal synergistic effect. <i>Biomaterials Science</i> , 2020, 8, 4266-4274.	2.6	16
71	Antimonene Quantum Dots as an Emerging Fluorescent Nanoprobe for the pH-Mediated Dual-Channel Detection of Tetracyclines. <i>Small</i> , 2020, 16, e2003429.	5.2	15
72	Polydopamine-mediated photothermal effect enables a new method for point-of-care testing of biothiols using a portable photothermal sensor. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130498.	4.0	14

#	ARTICLE	IF	CITATIONS
73	Well-orientation strategy for direct binding of antibodies: Development of the immunochromatographic test using the antigen modified Fe <sub>2</sub> O <sub>3</sub> nanoprobe for sensitive detection of aflatoxin B <sub>1</sub> . <i>Food Chemistry</i> , 2021, 364, 129583.	4.2	14
74	Dual-Modal Immunochromatographic Test for Sensitive Detection of Zearalenone in Food Samples Based On Biosynthetic <i>Staphylococcus aureus</i> -Mediated Polymer Dot Nanocomposites. <i>Analytical Chemistry</i> , 2022, 94, 5546-5554.	3.2	14
75	Conversional fluorescent kiwi peel phenolic extracts: Sensing of Hg <sup>2+</sup> and Cu <sup>2+</sup> , imaging of HeLa cells and their antioxidant activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 244, 118857.	2.0	13
76	Carbon-Based Nanorod Catalysts for Nitrophenol Reduction. <i>ACS Applied Nano Materials</i> , 2019, 2, 879-889.	2.4	12
77	On-off-on fluorescent sensor for glutathione based on bifunctional vanadium oxide quantum dots induced spontaneous formation of MnO <sub>2</sub> nanosheets. <i>Mikrochimica Acta</i> , 2021, 188, 299.	2.5	11
78	Combine etching-doping sedimentation strategy and carbonization to design double-deck petal-like NiO/CoO nanoporous carbon composite for methyl parathion detection. <i>Chemical Engineering Journal</i> , 2021, 426, 131906.	6.6	10
79	Golf-shaped Bi <sub>2</sub> Se <sub>3</sub> microparticles based-immunochromatographic strip for ultrasensitive detection of Acetamiprid. <i>Journal of Hazardous Materials</i> , 2022, 433, 128810.	6.5	10
80	NIR-regulated dual-functional silica nanoplatform for infected-wound therapy via synergistic sterilization and anti-oxidation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 213, 112414.	2.5	7
81	Polydopamine nanospheres-assisted direct PCR for rapid detection of <i>Escherichia coli</i> O157:H7. <i>Analytical Biochemistry</i> , 2022, 654, 114797.	1.1	7
82	Bottom-Up Formation of Carbon-Based Magnetic Honeycomb Material from Metal-Organic Framework-Guest Polyhedra for the Capture of Rhodamine B. <i>ACS Omega</i> , 2019, 4, 5578-5585.	1.6	3
83	Innovative ratiometric optical strategy: Nonconjugated polymer dots based fluorescence-scattering dual signal output for sensing mercury ions. <i>Food Chemistry</i> , 2022, 374, 131771.	4.2	3