

# Peng Zhao

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,689  
citations

331259

21  
h-index

301761

39  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2595  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heteroatom-doped carbon dots: synthesis, characterization, properties, photoluminescence mechanism and biological applications. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7204-7219.	2.9	396
2	Near-Infrared Dual-Emission Quantum Dots@Gold Nanoclusters Nanohybrid via Co-Template Synthesis for Ratiometric Fluorescent Detection and Bioimaging of Ascorbic Acid In Vitro and In Vivo. <i>Analytical Chemistry</i> , 2015, 87, 9998-10005.	3.2	127
3	Near infrared quantum dots in biomedical applications: current status and future perspective. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2018, 10, e1483.	3.3	113
4	iRGD-decorated red shift emissive carbon nanodots for tumor targeting fluorescence imaging. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 515-521.	5.0	95
5	A novel non-enzymatic electrochemical biosensor based on the nanohybrid of bimetallic PdCu nanoparticles/carbon black for highly sensitive detection of H <sub>2</sub> O <sub>2</sub> released from living cells. <i>Sensors and Actuators B: Chemical</i> , 2019, 290, 249-257.	4.0	81
6	Multienzyme-Mimic Ultrafine Alloyed Nanoparticles in Metal Organic Frameworks for Enhanced Chemodynamic Therapy. <i>Small</i> , 2021, 17, e2005865.	5.2	74
7	A universal platform for building molecular logic circuits based on a reconfigurable three-dimensional DNA nanostructure. <i>Chemical Science</i> , 2015, 6, 3556-3564.	3.7	61
8	Development of near-infrared ratiometric fluorescent probe based on cationic conjugated polymer and CdTe/CdS QDs for label-free determination of glucose in human body fluids. <i>Biosensors and Bioelectronics</i> , 2017, 95, 41-47.	5.3	61
9	Identification of <i>Portulaca oleracea</i> L. from different sources using GC-MS and FT-IR spectroscopy. <i>Talanta</i> , 2010, 81, 129-135.	2.9	53
10	Versatile Electrochemiluminescent Biosensor for Protein-Nucleic Acid Interaction Based on the Unique Quenching Effect of Deoxyguanosine-5'-phosphate on Electrochemiluminescence of CdTe/ZnS Quantum Dots. <i>Analytical Chemistry</i> , 2013, 85, 6279-6286.	3.2	46
11	Lanthanide-functionalized metal-organic frameworks based ratiometric fluorescent sensor array for identification and determination of antibiotics. <i>Talanta</i> , 2021, 231, 122366.	2.9	45
12	Fabrication of an electrochemical sensor based on spiropyran for sensitive and selective detection of fluoride ion. <i>Analytica Chimica Acta</i> , 2016, 918, 97-102.	2.6	44
13	A CdTe/CdS quantum dots amplified graphene quantum dots anodic electrochemiluminescence platform and the application for ascorbic acid detection in fruits. <i>Electrochimica Acta</i> , 2015, 178, 407-413.	2.6	42
14	Recent Advance in Polymer Based Microspheric Systems for Controlled Protein and Peptide Delivery. <i>Current Medicinal Chemistry</i> , 2019, 26, 2285-2296.	1.2	39
15	Simultaneous Determination of Hydroquinone, Catechol and Resorcinol with High Selectivity Based on Hollow Nitrogen-Doped Mesoporous Carbon Spheres Decorated Graphene. <i>Journal of the Electrochemical Society</i> , 2018, 165, B212-B219.	1.3	37
16	Carbon nanohorns enhanced electrochemical properties of Cu-based metal organic framework for ultrasensitive serum glucose sensing. <i>Journal of Electroanalytical Chemistry</i> , 2020, 862, 114018.	1.9	37
17	One pot synthesis of nitrogen-doped hollow carbon spheres with improved electrocatalytic properties for sensitive H <sub>2</sub> O <sub>2</sub> sensing in human serum. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 530-537.	4.0	34
18	A Ratiometric Electrochemical Sensor with Integrated Probe for the Assay of $\alpha$ -glucosidase Activity and Screening of Its Inhibitors. <i>Journal of the Electrochemical Society</i> , 2019, 166, B133-B140.	1.3	27

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19	Electrochemical sensor based on reduced graphene oxide supported dumbbell-shaped CuCo <sub>2</sub> O <sub>4</sub> for real-time monitoring of H <sub>2</sub> O <sub>2</sub> released from cells. <i>Microchemical Journal</i> , 2021, 160, 105521.	2.3	27
20	The determination of cystatin C in serum based on label-free and near-infrared light emitted PbS@BSA QDs. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4258-4262.	2.9	24
21	Development of spiropyran-based electrochemical sensor via simultaneous photochemical and target-activatable electron transfer. <i>Biosensors and Bioelectronics</i> , 2014, 62, 151-157.	5.3	23
22	Ratiometric fluorescent sensing of copper ion based on chromaticity change strategy. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6655-6662.	1.9	21
23	The role of S100B/RAGE-enhanced ADAM17 activation in endothelial glycocalyx shedding after traumatic brain injury. <i>Journal of Neuroinflammation</i> , 2022, 19, 46.	3.1	21
24	Fluorescent detection of copper(II) based on DNA-templated click chemistry and graphene oxide. <i>Methods</i> , 2013, 64, 299-304.	1.9	19
25	An Excellent Electrochemical Sensor Based on Highly Porous Gold Film Modified Gold Electrode for Detecting Quercetin in Food and Medicine. <i>Journal of the Electrochemical Society</i> , 2020, 167, 047514.	1.3	17
26	Electrochemical detection of type 2 diabetes mellitus-related SNP via DNA-mediated growth of silver nanoparticles on single walled carbon nanotubes. <i>Chemical Communications</i> , 2015, 51, 15704-15707.	2.2	15
27	Black phosphorus quantum dots nanocomposites based activatable bimodal imaging and determination of intracellular glutathione. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128518.	4.0	15
28	An imine-linked covalent organic framework for renewable and sensitive determination of antibiotic. <i>Analytica Chimica Acta</i> , 2021, 1188, 339191.	2.6	15
29	Nitrate enhanced electrochemiluminescence determination of tris(2,3-dibromopropyl) isocyanurate with a gold nanoparticles-modified gold electrode. <i>Analyst</i> , The, 2011, 136, 1952.	1.7	14
30	Near-infrared light-controllable bufalin delivery from a black phosphorus-hybrid supramolecular hydrogel for synergistic photothermal-chemo tumor therapy. <i>Nano Research</i> , 2021, 14, 3988-3998.	5.8	14
31	“French fries”-like luminescent metal organic frameworks for the fluorescence determination of cytochrome c released by apoptotic cells and screening of anticancer drug activity. <i>Mikrochimica Acta</i> , 2020, 187, 221.	2.5	12
32	Sensitive Detection of Acetaminophen Based on N, P-Co-Doped Carbon Microspheres Modified Electrode. <i>Journal of the Electrochemical Society</i> , 2019, 166, B1491-B1496.	1.3	8
33	A Sensitive Electrochemical Sensor Based on Dual Co-Doped N, P-rGO for Simultaneous Determination of Hydroquinone and Catechol. <i>Journal of the Electrochemical Society</i> , 2021, 168, 017514.	1.3	8
34	The reversible surface redox of polymer dots for the assay of total antioxidant capacity in food samples. <i>Microchemical Journal</i> , 2020, 156, 104805.	2.3	7
35	The robust peroxidase mimics within metal-organic frameworks for the sensitivity detection of H <sub>2</sub> O <sub>2</sub> and glucose in serum. <i>New Journal of Chemistry</i> , 2021, 45, 19565-19571.	1.4	5
36	Neuroprotective effects of Shende™an tablet in the Parkinson™s disease model. <i>Chinese Medicine</i> , 2021, 16, 18.	1.6	5

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37	Cerebral Circulation Time Is a Potential Predictor of Disabling Ischemic Cerebrovascular Events in Patients With Non-disabling Middle Cerebral Artery Stenosis. <i>Frontiers in Neurology</i> , 2021, 12, 653752.	1.1	3
38	Design of multiplex logic gates: Combining regulation of DNA structure with logical calculation. <i>Science China Chemistry</i> , 2014, 57, 453-458.	4.2	2
39	A colorimetric assay for cholesterol based on the encapsulation of multienzyme in leaf-shape crossed ZIF-L. <i>Chinese Chemical Letters</i> , 2023, 34, 107510.	4.8	2