Ying Wang

List of Publications by Year in descending order

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95 papers	15,926 citations	87401 40 h-index	46524 93 g-index
96 all docs	96 docs citations	96 times ranked	23079 citing authors

#	Article	IF	Citations
1	Cu2O nanowires with exposed {111} facet for nonenzymatic detection of glucose in complex biological fluids. Chemical Engineering Journal, 2022, 429, 132267.	6.6	16
2	Dual-labeling ratiometric electrochemical strategy initiated with ISDPR for accurate screening MecA gene. Biosensors and Bioelectronics, 2022, 197, 113772.	5.3	7
3	Selective electrocatalytic reduction of nitrate to dinitrogen by Cu2O nanowires with mixed oxidation-state. Chemical Engineering Journal, 2022, 433, 133495.	6.6	38
4	An Enzymatic Reaction Modulated Fluorescence-on Omethoate Biosensor Based on Fe3O4@GO and Copper Nanoparticles. Journal of Analysis and Testing, 2022, 6, 3-11.	2.5	13
5	On-Demand Atomic Hydrogen Provision by Exposing Electron-Rich Cobalt Sites in an Open-Framework Structure toward Superior Electrocatalytic Nitrate Conversion to Dinitrogen. Environmental Science & Technology, 2022, 56, 614-623.	4.6	62
6	Identification of Fenton-like active Cu sites by heteroatom modulation of electronic density. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	132
7	Shape Regulation of CeO₂ Nanozymes Boosts Reaction Specificity and Activity. European Journal of Inorganic Chemistry, 2022, 2022, .	1.0	6
8	Coordination Number Regulation of Molybdenum Single-Atom Nanozyme Peroxidase-like Specificity. CheM, 2021, 7, 436-449.	5.8	216
9	Adsorption Site Selective Occupation Strategy within a Metalâ€“Organic Framework for Highly Efficient Sieving Acetylene from Carbon Dioxide. Angewandte Chemie, 2021, 133, 4620-4624.	1.6	33
10	Adsorption Site Selective Occupation Strategy within a Metalâ€“Organic Framework for Highly Efficient Sieving Acetylene from Carbon Dioxide. Angewandte Chemie - International Edition, 2021, 60, 4570-4574.	7.2	117
11	Isolating metallophthalocyanine sites into graphene-supported microporous polyaniline enables highly efficient sensing of ammonia. Journal of Materials Chemistry A, 2021, 9, 4150-4158.	5.2	11
12	Hostâ€“Guest Interaction Modulation in Porous Coordination Polymers for Inverse Selective CO₂/C₂H₂Separation. Angewandte Chemie, 2021, 133, 11794-11800.	1.6	18
13	Hostâ€“Guest Interaction Modulation in Porous Coordination Polymers for Inverse Selective CO₂/C₂H₂Separation. Angewandte Chemie - International Edition, 2021, 60, 11688-11694.	7.2	115
14	Frontispiz: Hostâ€“Guest Interaction Modulation in Porous Coordination Polymers for Inverse Selective CO₂/C₂H₂ Separation. Angewandte Chemie, 2021, 133, .	1.6	0
15	Frontispiece: Hostâ€“Guest Interaction Modulation in Porous Coordination Polymers for Inverse Selective CO₂/C₂H₂ Separation. Angewandte Chemie - International Edition, 2021, 60, .	7.2	0
16	Dual Metal-Loaded Porous Carbon Materials Derived from Silk Fibroin as Bifunctional Electrocatalysts for Hydrogen Evolution Reaction and Oxygen Evolution Reaction. ACS Applied Materials & Interfaces, 2021, 13, 30678-30692.	4.0	26
17	A zero-background fluorescent aptasensor for ultrasensitive detection of pesticides based on magnetic three-dimensional DNA walker and poly(T) -templated copper nanoparticles. Sensors and Actuators B: Chemical, 2021, 343, 130172.	4.0	26
18	Integrating single-cobalt-site and electric field of boron nitride in dechlorination electrocatalysts by bioinspired design. Nature Communications, 2021, 12, 303.	5.8	97

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19	Photostable Red-Emitting Fluorescent Rhein-Magnesium(â…¡) Coordination Polymer Nanodot-Based Nanostructures With a Large Stokes Shift for Imaging Mitochondria in Cancer Cell. Frontiers in Oncology, 2021, 11, 758268.	1.3	1
20	An in situ ion exchange grown visible-light-driven Z-scheme AgVO₃/AgI graphene microtube for enhanced photocatalytic performance. New Journal of Chemistry, 2020, 44, 1579-1587.	1.4	14
21	A facile approach for rapid on-site screening of nicotine in natural tobacco. Environmental Pollution, 2020, 259, 113841.	3.7	7
22	Interface Engineering between the Metalâ€“Organic Framework Nanocrystal and Graphene toward Ultrahigh Potassium-Ion Storage Performance. ACS Nano, 2020, 14, 10210-10218.	7.3	88
23	Low-Dimension Nanomaterial-Based Sensing Matrices for Antibiotics Detection: A Mini Review. Frontiers in Chemistry, 2020, 8, 551.	1.8	15
24	Hierarchical porous induced competent removal of low concentration azo dye molecules by generating a leachy crystalline structure H-MIL-53(Fe). Chinese Chemical Letters, 2020, 31, 2717-2720.	4.8	11
25	Cation-Exchange Induced Precise Regulation of Single Copper Site Triggers Room-Temperature Oxidation of Benzene. Journal of the American Chemical Society, 2020, 142, 12643-12650.	6.6	110
26	Direct Coupling of Phthalocyanine Cobalt(II) and Graphene via Self-Driven Layer-by-Layer Assembly for Efficient Electrochemical Detection of Catechol. Journal of the Electrochemical Society, 2020, 167, 027533.	1.3	7
27	Ultrasensitive monitoring of DNA damage associated with free radicals exposure using dynamic carbon nanotubes bridged interdigitated electrode array. Environment International, 2020, 139, 105672.	4.8	5
28	Electrochemiluminescent CdTe Nanocrystal/Reduced Graphene Oxide Composite Films for the Detection of Diethylstilbestrol. ACS Applied Nano Materials, 2020, 3, 4670-4680.	2.4	12
29	A feasible linker transformation strategy towards the formation of Cu₂O nanoparticles for immobilization in hierarchical CuBTC for adsorption desulfurization. Journal of Materials Chemistry A, 2020, 8, 8678-8683.	5.2	30
30	Differential pulse voltammetry detection of Pb(<scp>ii</scp>) using nitrogen-doped activated nanoporous carbon from almond shells. RSC Advances, 2019, 9, 23678-23685.	1.7	18
31	Hydrothermal fabrication of sandwich-structured Silver sulfide/ferroferric oxide/silver metavanadate graphene microtube using capillary effect for enhancing photocatalytic degradation and disinfection. Journal of Colloid and Interface Science, 2019, 555, 759-769.	5.0	17
32	Two-Dimensional Graphene Family Material: Assembly, Biocompatibility and Sensors Applications. Sensors, 2019, 19, 2966.	2.1	33
33	Group-Targeting Detection of Total Steroid Estrogen Using Surface-Enhanced Raman Spectroscopy. Analytical Chemistry, 2019, 91, 7639-7647.	3.2	23
34	Retrosynthesis of Tunable Fluorescent Carbon Dots for Precise Longâ€Term Mitochondrial Tracking. Small, 2019, 15, e1901517.	5.2	103
35	Regulating the allocation of N and P in codoped graphene via supramolecular control to remarkably boost hydrogen evolution. Energy and Environmental Science, 2019, 12, 2697-2705.	15.6	77
36	Novel sensing platform based on gold nanoparticle-aptamer and Fe-metal-organic framework for multiple antibiotic detection and signal amplification. Environment International, 2019, 125, 135-141.	4.8	54

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37	Spatially separated cocatalysts for efficient charge separation: a hollow Pt/CdS/Nâ€“ZnO/CoOx graphene microtubule with high stability for photocatalytic reactions and sustainable recycling. Catalysis Science and Technology, 2019, 9, 6899-6908.	2.1	10
38	Graphene oxide wrapped melamine sponge as an efficient and recoverable adsorbent for Pb(II) removal from fly ash leachate. Journal of Hazardous Materials, 2019, 367, 26-34.	6.5	41
39	In Situ Ion Exchange Synthesis of Ag₂S/AgVO₃ Graphene Aerogels for Enhancing Photocatalytic Antifouling Efficiency. Industrial & Engineering Chemistry Research, 2019, 58, 3538-3548.	1.8	21
40	Fabrication of a three-dimensional porous Z-scheme silver/silver bromide/graphitic carbon nitride@nitrogen-doped graphene aerogel with enhanced visible-light photocatalytic and antibacterial activities. Journal of Colloid and Interface Science, 2019, 536, 389-398.	5.0	46
41	Leaching potential of stabilized fly ash from the incineration of municipal solid waste with a new polymer. Journal of Environmental Management, 2019, 232, 286-294.	3.8	34
42	Electrochemiluminescent aptasensor based on Î²-cyclodextrin/graphitic carbon nitride composite for highly selective and ultrasensitive assay of platelet derived growth factor BB. Carbon, 2018, 130, 416-423.	5.4	29
43	Green synthesis and evaluation of an iron-based metalâ€“organic framework MIL-88B for efficient decontamination of arsenate from water. Dalton Transactions, 2018, 47, 2222-2231.	1.6	119
44	Retardation behavior of hydration of calcium sulfate hemihydrate (bassanite) induced by sodium trimetaphosphate (STMP). CrystEngComm, 2018, 20, 1662-1668.	1.3	9
45	N-Carbamoylmaleimide-treated carbon dots: stabilizing the electrochemical intermediate and extending it for the ultrasensitive detection of organophosphate pesticides. Nanoscale, 2018, 10, 19390-19398.	2.8	27
46	Multi-segmented CdSâ€“Au nanorods for electrochemiluminescence bioanalysis. Nanoscale, 2018, 10, 19224-19230.	2.8	19
47	Origin of gypsum growth habit difference as revealed by molecular conformations of surface-bound citrate and tartrate. CrystEngComm, 2018, 20, 3581-3589.	1.3	11
48	From powder to cloth: Facile fabrication of dense MOF-76(Tb) coating onto natural silk fiber for feasible detection of copper ions. Chemical Engineering Journal, 2018, 350, 637-644.	6.6	42
49	Facile synthesis of holey graphene-supported Pt catalysts for direct methanol electro-oxidation. Microporous and Mesoporous Materials, 2017, 247, 116-123.	2.2	27
50	Poly (ionic liquid)-Based Breath Figure Films: A New Kind of Honeycomb Porous Films with Great Extendable Capability. Scientific Reports, 2017, 7, 13973.	1.6	12
51	Sensitive electrochemical detection of DNA damage based on in situ double strand growth via hybridization chain reaction. Analytical and Bioanalytical Chemistry, 2017, 409, 6821-6829.	1.9	8
52	Multiple-targeted graphene-based nanocarrier for intracellular imaging of mRNAs. Analytica Chimica Acta, 2017, 983, 1-8.	2.6	27
53	High graphite N content in nitrogen-doped graphene as an efficient metal-free catalyst for reduction of nitroarenes in water. Green Chemistry, 2016, 18, 4254-4262.	4.6	109
54	Metalâ€“Organic Framework-Templated Synthesis of Bifunctional N-Doped TiO₂â€“Carbon Nanotablets via Solid-State Thermolysis. ACS Sustainable Chemistry and Engineering, 2016, 4, 6744-6753.	3.2	35

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55	Identifying the tobacco related free radicals by UPCC-QTOF-MS with radical trapping method in mainstream cigarette smoke. Talanta, 2016, 160, 106-112.	2.9	4
56	Sensitive and selective detection of Hg2+ based on an electrochemical platform of PDDA functionalized rGO and glutaraldehyde cross-linked chitosan composite film. RSC Advances, 2016, 6, 69815-69821.	1.7	12
57	Discovering the enzyme mimetic activity of metal-organic framework (MOF) for label-free and colorimetric sensing of biomolecules. Biosensors and Bioelectronics, 2016, 86, 432-438.	5.3	160
58	Selective enrichment and desalting of hydrophilic peptides using graphene oxide. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1027, 149-157.	1.2	4
59	Aptamers-based sandwich assay for silver-enhanced fluorescence multiplex detection. Analytica Chimica Acta, 2016, 905, 149-155.	2.6	29
60	Au nanoparticle decorated resin microspheres: synthesis and application in electrochemical cytosensors for sensitive and selective detection of lung cancer A549 cells. RSC Advances, 2015, 5, 24615-24624.	1.7	7
61	Nonvolatile memory devices based on carbon nano-dot doped poly(vinyl alcohol) composites with low operation voltage and high ON/OFF ratio. RSC Advances, 2015, 5, 26886-26890.	1.7	16
62	Synthesis of Cu2O/graphene/rutile TiO2 nanorod ternary composites with enhanced photocatalytic activity. Journal of Alloys and Compounds, 2015, 650, 520-527.	2.8	60
63	The graphene/nucleic acid nanobiointerface. Chemical Society Reviews, 2015, 44, 6954-6980.	18.7	181
64	Enhanced photocatalytic activity of graphene oxide/titania nanosheets composites for methylene blue degradation. Materials Science in Semiconductor Processing, 2015, 30, 592-598.	1.9	41
65	Human hair-derived graphene-like carbon nanosheets to support Pt nanoparticles for direct methanol fuel cell application. RSC Advances, 2015, 5, 71980-71987.	1.7	20
66	Interrogation of Cellular Innate Immunity by Diamond-Nanoneedle-Assisted Intracellular Molecular Fishing. Nano Letters, 2015, 15, 7058-7063.	4.5	35
67	Carbon nanotube enhanced label-free detection of microRNAs based on hairpin probe triggered solid-phase rolling-circle amplification. Nanoscale, 2015, 7, 987-993.	2.8	77
68	Aptamer based fluorescence recovery assay for aflatoxin B1 using a quencher system composed of quantum dots and graphene oxide. Mikrochimica Acta, 2015, 182, 571-578.	2.5	137
69	Toeholdâ€initiated Rolling Circle Amplification for Visualizing Individual MicroRNAs In Situ in Single Cells. Angewandte Chemie - International Edition, 2014, 53, 2389-2393.	7.2	384
70	Fabrication of an effective electrochemical platform based on graphene and AuNPs for high sensitive detection of trace Cu2+. Electrochimica Acta, 2014, 132, 7-14.	2.6	49
71	NADH dehydrogenase-like behavior of nitrogen-doped graphene and its application in NAD+-dependent dehydrogenase biosensing. Biosensors and Bioelectronics, 2014, 62, 170-176.	5.3	35
72	In situ simultaneous monitoring of ATP and GTP using a graphene oxide nanosheetâ€“based sensing platform in living cells. Nature Protocols, 2014, 9, 1944-1955.	5.5	215

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73	In Situ Live Cell Sensing of Multiple Nucleotides Exploiting DNA/RNA Aptamers and Graphene Oxide Nanosheets. Analytical Chemistry, 2013, 85, 6775-6782.	3.2	189
74	Bioinspired prospects of graphene: from biosensing to energy. Journal of Materials Chemistry B, 2013, 1, 3521.	2.9	26
75	Nitrogen-doped graphene stabilized gold nanoparticles for aerobic selective oxidation of benzylic alcohols. RSC Advances, 2012, 2, 12438.	1.7	84
76	A novel aptasensor based on silver nanoparticle enhanced fluorescence. Biosensors and Bioelectronics, 2012, 32, 76-81.	5.3	42
77	Self-Assembly of Octadecyltrichlorosilane on Graphene Oxide and the Tribological Performances of the Resultant Film. Journal of Physical Chemistry C, 2011, 115, 10080-10086.	1.5	85
78	DNA-Directed Self-Assembly of Graphene Oxide with Applications to Ultrasensitive Oligonucleotide Assay. ACS Nano, 2011, 5, 3817-3822.	7.3	177
79	Functionalization of graphene and graphene oxide for biosensing and imaging. , 2011, , .		0
80	Self assembly of acetylcholinesterase on a gold nanoparticlesâ€“graphene nanosheet hybrid for organophosphate pesticide detection using polyelectrolyte as a linker. Journal of Materials Chemistry, 2011, 21, 5319.	6.7	219
81	Electrochemical DNA Sensors: From Nanoconstruction to Biosensing. Current Organic Chemistry, 2011, 15, 506-517.	0.9	13
82	Graphene and graphene oxide: biofunctionalization and applications in biotechnology. Trends in Biotechnology, 2011, 29, 205-212.	4.9	1,327
83	An aptamerâ€“SWNT biosensor for sensitive detection of protein via mediated signal transduction. Electrochemistry Communications, 2011, 13, 707-710.	2.3	13
84	Graphene Fluorescence Resonance Energy Transfer Aptasensor for the Thrombin Detection. Analytical Chemistry, 2010, 82, 2341-2346.	3.2	848
85	Nitrogen-Doped Graphene and Its Application in Electrochemical Biosensing. ACS Nano, 2010, 4, 1790-1798.	7.3	1,977
86	Aptamer/Graphene Oxide Nanocomplex for in Situ Molecular Probing in Living Cells. Journal of the American Chemical Society, 2010, 132, 9274-9276.	6.6	1,020
87	Rapid and Sensitive Detection of Protein Biomarker Using a Portable Fluorescence Biosensor Based on Quantum Dots and a Lateral Flow Test Strip. Analytical Chemistry, 2010, 82, 7008-7014.	3.2	383
88	P25-Graphene Composite as a High Performance Photocatalyst. ACS Nano, 2010, 4, 380-386.	7.3	2,946
89	Energy-Efficient Photodegradation of Azo Dyes with TiO₂ Nanoparticles Based on Photoisomerization and Alternate UVâ^'Visible Light. Environmental Science & Technology, 2010, 44, 1107-1111.	4.6	77
90	Preparation, Structure, and Electrochemical Properties of Reduced Graphene Sheet Films. Advanced Functional Materials, 2009, 19, 2782-2789.	7.8	1,132

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91	A netlike DNA-templated Au nanoconjugate as the matrix of the direct electrochemistry of horseradish peroxidase. Electrochemistry Communications, 2009, 11, 327-330.	2.3	14
92	Application of graphene-modified electrode for selective detection of dopamine. Electrochemistry Communications, 2009, 11, 889-892.	2.3	1,067
93	A carbon nanotubes assisted strategy for insulin detection and insulin proteolysis assay. Analytica Chimica Acta, 2009, 650, 49-53.	2.6	35
94	Graphene Oxide Amplified Electrogenerated Chemiluminescence of Quantum Dots and Its Selective Sensing for Glutathione from Thiol-Containing Compounds. Analytical Chemistry, 2009, 81, 9710-9715.	3.2	397
95	Electrochemical DNA Biosensor Based on the Proximity-Dependent Surface Hybridization Assay. Analytical Chemistry, 2009, 81, 1982-1987.	3.2	130