

Ding Jiang

List of Publications by Year in descending order

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59
papers

2,433
citations

159525

30
h-index

206029

48
g-index

59
all docs

59
docs citations

59
times ranked

2778
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced non-enzymatic glucose sensing based on copper nanoparticles decorated nitrogen-doped graphene. <i>Biosensors and Bioelectronics</i> , 2014, 54, 273-278.	5.3	215
2	A facile label-free colorimetric aptasensor for acetamidrid based on the peroxidase-like activity of hemin-functionalized reduced graphene oxide. <i>Biosensors and Bioelectronics</i> , 2015, 65, 39-46.	5.3	123
3	One-Step Thermal-Treatment Route to Fabricate Well-Dispersed ZnO Nanocrystals on Nitrogen-Doped Graphene for Enhanced Electrochemiluminescence and Ultrasensitive Detection of Pentachlorophenol. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3093-3100.	4.0	110
4	Atmospheric pressure synthesis of nitrogen doped graphene quantum dots for fabrication of BiOBr nanohybrids with enhanced visible-light photoactivity and photostability. <i>Carbon</i> , 2016, 96, 1157-1165.	5.4	104
5	Facile wet chemical method for fabricating p-type BiOBr/n-type nitrogen doped graphene composites: Efficient visible-excited charge separation, and high-performance photoelectrochemical sensing. <i>Carbon</i> , 2016, 102, 10-17.	5.4	90
6	New Insights toward Efficient Charge-Separation Mechanism for High-Performance Photoelectrochemical Aptasensing: Enhanced Charge-Carrier Lifetime via Coupling Ultrathin MoS ₂ Nanoplates with Nitrogen-Doped Graphene Quantum Dots. <i>Analytical Chemistry</i> , 2017, 89, 4525-4531.	3.2	85
7	Gold nanrods plasmon-enhanced photoelectrochemical aptasensing based on hematite/N-doped graphene films for ultrasensitive analysis of 17 β -estradiol. <i>Biosensors and Bioelectronics</i> , 2017, 91, 706-713.	5.3	82
8	Onsite naked eye determination of cysteine and homocysteine using quencher displacement-induced fluorescence recovery of the dual-emission hybrid probes with desired intensity ratio. <i>Biosensors and Bioelectronics</i> , 2015, 65, 83-90.	5.3	79
9	One-pot synthesis of BiPO ₄ functionalized reduced graphene oxide with enhanced photoelectrochemical performance for selective and sensitive detection of chlorpyrifos. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13671-13678.	5.2	78
10	Silver nanoparticles anchored on nitrogen-doped graphene as a novel electrochemical biosensing platform with enhanced sensitivity for aptamer-based pesticide assay. <i>Analyst, The</i> , 2015, 140, 6404-6411.	1.7	78
11	Fabricating photoelectrochemical aptasensor for selectively monitoring microcystin-LR residues in fish based on visible light-responsive BiOBr nanoflakes/N-doped graphene photoelectrode. <i>Biosensors and Bioelectronics</i> , 2016, 81, 242-248.	5.3	74
12	MoS ₂ /nitrogen doped graphene hydrogels p-n heterojunction: Efficient charge transfer property for highly sensitive and selective photoelectrochemical analysis of chloramphenicol. <i>Biosensors and Bioelectronics</i> , 2019, 126, 463-469.	5.3	64
13	Oxygen vacancy enhanced photoelectrochemical performance of Bi ₂ MoO ₆ /B, N co-doped graphene for fabricating lincomycin aptasensor. <i>Biosensors and Bioelectronics</i> , 2019, 135, 145-152.	5.3	60
14	Engineering efficient charge transfer based on ultrathin graphite-like carbon nitride/WO ₃ semiconductor nanoheterostructures for fabrication of high-performances non-enzymatic photoelectrochemical glucose sensor. <i>Electrochimica Acta</i> , 2016, 215, 305-312.	2.6	55
15	Oxygen Vacancy Engineering in Europia Clusters/Graphite-Like Carbon Nitride Nanostructures Induced Signal Amplification for Highly Efficient Electrochemiluminescence Aptasensing. <i>Analytical Chemistry</i> , 2018, 90, 3615-3620.	3.2	54
16	Ternary Z-scheme heterojunction of Bi SPR-promoted BiVO ₄ /g-C ₃ N ₄ with effectively boosted photoelectrochemical activity for constructing oxytetracycline aptasensor. <i>Biosensors and Bioelectronics</i> , 2020, 166, 112453.	5.3	54
17	Fabrication of graphene oxide decorated with nitrogen-doped graphene quantum dots and its enhanced electrochemiluminescence for ultrasensitive detection of pentachlorophenol. <i>Analyst, The</i> , 2015, 140, 1253-1259.	1.7	53
18	One-pot hydrothermal route to fabricate nitrogen doped graphene/Ag-TiO ₂ : Efficient charge separation, and high-performance on-off-on switch system based photoelectrochemical biosensing. <i>Biosensors and Bioelectronics</i> , 2016, 83, 149-155.	5.3	51

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19	Building a Three-Dimensional Nano“Bio Interface for Aptasensing: An Analytical Methodology Based on Steric Hindrance Initiated Signal Amplification Effect. <i>Analytical Chemistry</i> , 2016, 88, 9622-9629.	3.2	51
20	Ultra-sensitive photoelectrochemical aptamer biosensor for detecting E. coli O157:H7 based on nonmetallic plasmonic two-dimensional hydrated defective tungsten oxide nanosheets coupling with nitrogen-doped graphene quantum dots (dWO ₃ •H ₂ O@N-GQDs). <i>Biosensors and Bioelectronics</i> , 2021, 183, 113214.	5.3	51
21	Magnetically Separable Fe ₃ O ₄ Nanoparticles-Decorated Reduced Graphene Oxide Nanocomposite for Catalytic Wet Hydrogen Peroxide Oxidation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 907-916.	1.9	50
22	CeO ₂ nanocrystallines ensemble-on-nitrogen-doped graphene nanocomposites: one-pot, rapid synthesis and excellent electrocatalytic activity for enzymatic biosensing. <i>Biosensors and Bioelectronics</i> , 2017, 89, 681-688.	5.3	42
23	Ingenious Dual-Photoelectrode Internal-Driven Self-Powered Sensing Platform for the Power Generation and Simultaneous Microcystin Monitoring Based on the Membrane/Mediator-Free Photofuel Cell. <i>Analytical Chemistry</i> , 2019, 91, 1728-1732.	3.2	42
24	One-pot synthesis of ZnO quantum dots/N-doped Ti ₃ C ₂ MXene: Tunable nitrogen-doping properties and efficient electrochemiluminescence sensing. <i>Chemical Engineering Journal</i> , 2022, 430, 132771.	6.6	42
25	Ultrasensitive and visible light-responsive photoelectrochemical aptasensor for edifenphos based on Zinc phthalocyanine sensitized MoS ₂ nanosheets. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111867.	5.3	41
26	High-performance photoelectrochemical aptasensor for enrofloxacin based on Bi-doped ultrathin polymeric carbon nitride nanocomposites with SPR effect and carbon vacancies. <i>Sensors and Actuators B: Chemical</i> , 2020, 316, 128142.	4.0	40
27	Graphitic carbon nitride quantum dots in situ coupling to Bi ₂ MoO ₆ nano hybrids with enhanced charge transfer performance and photoelectrochemical detection of copper ion. <i>Journal of Electroanalytical Chemistry</i> , 2017, 787, 66-71.	1.9	39
28	An intriguing signal-off responsive photoelectrochemical aptasensor for ultrasensitive detection of microcystin-LR and its mechanism study. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 316-324.	4.0	33
29	Core-shell LaFeO ₃ @g-C ₃ N ₄ p-n heterostructure with improved photoelectrochemical performance for fabricating streptomycin aptasensor. <i>Applied Surface Science</i> , 2020, 511, 145571.	3.1	33
30	Reactable ionic liquid assisted preparation of porous Co ₃ O ₄ nanostructures with enhanced supercapacitive performance. <i>CrystEngComm</i> , 2014, 16, 2395.	1.3	32
31	Ultrasensitive near-infrared aptasensor for enrofloxacin detection based on wavelength tunable AgBr nanocrystals electrochemiluminescence emission triggered by O-terminated Ti ₃ C ₂ MXene. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113917.	5.3	30
32	Anchoring AgBr nanoparticles on nitrogen-doped graphene for enhancement of electrochemiluminescence and radical stability. <i>Chemical Communications</i> , 2015, 51, 4451-4454.	2.2	28
33	Femtomolar sensitivity of bisphenol A photoelectrochemical aptasensor induced by visible light-driven TiO ₂ nanoparticle-decorated nitrogen-doped graphene. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6249-6257.	2.9	23
34	Enhanced amperometric sensing for direct detection of nitenpyram via synergistic effect of copper nanoparticles and nitrogen-doped graphene. <i>Journal of Electroanalytical Chemistry</i> , 2014, 734, 25-30.	1.9	22
35	An ON ¹ “OFF“ON ² electrochemiluminescence response: combining the intermolecular specific binding with a radical scavenger. <i>Chemical Communications</i> , 2015, 51, 11236-11239.	2.2	20
36	TiO ₂ nanoparticles embedded in borocarbonitrides nanosheets for sensitive and selective photoelectrochemical aptasensing of bisphenol A. <i>Journal of Electroanalytical Chemistry</i> , 2018, 818, 191-197.	1.9	20

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37	An ultrasensitive electrochemiluminescence aptasensor for the detection of diethylstilbestrol based on the enhancing mechanism of the metal-organic framework NH ₂ -MIL-125(Ti) in a 3,4,9,10-perylenetetracarboxylic acid/K ₂ S ₂ O ₈ system. <i>Analyst, The</i> , 2020, 145, 3306-3312.	1.7	20
38	Enhanced cathodic electrochemiluminescent microcystin-LR aptasensor based on surface plasmon resonance of Bi nanoparticles. <i>Journal of Hazardous Materials</i> , 2022, 434, 128877.	6.5	20
39	Self-powered photoelectrochemical sensor for chlorpyrifos detection in fruit and vegetables based on metal-ligand charge transfer effect by Ti3C2 based Schottky junction. <i>Food Chemistry</i> , 2022, 385, 132731.	4.2	20
40	Ionic liquid-assisted grown of beta-nickel hydroxide nanowires on reduced graphene oxide for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2014, 143, 135-142.	2.6	19
41	Ultrasensitive all-solid-state electrochemiluminescence platform for kanamycin detection based on the pore confinement effect of OD g-C ₃ N ₄ quantum dots/3D graphene hydrogel. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130343.	4.0	19
42	Visible-light triggered self-breathing-like dual-photoelectrode internal-driven self-powered sensor: Metal-ligand charge transfer (MLCT) induced signal-off strategy for the microcystin-LR assay. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112414.	5.3	17
43	Enhanced electrochemiluminescence sensing platform using nitrogen-doped graphene as a novel two-dimensional mat of silver nanoparticles. <i>Talanta</i> , 2015, 132, 146-149.	2.9	15
44	Ultrafine Fe ₃ O ₄ nanocrystals anchored on N-doped graphene: a nanomaterial with long hole diffusion length and efficient visible light-excited charge separation for use in photoelectrochemical sensing. <i>Mikrochimica Acta</i> , 2017, 184, 137-145.	2.5	14
45	An effective strategy for fabricating highly dispersed nanoparticles on O-C ₃ N ₄ with enhanced electrocatalytic activity and stability. <i>Journal of Alloys and Compounds</i> , 2018, 741, 1203-1211.	2.8	14
46	An off-on electrochemiluminescence aptasensor for microcystin-LR assay based on the resonance energy transfer from PTCA/NH ₂ -MIL-125(Ti) to gold nanoparticles. <i>Mikrochimica Acta</i> , 2020, 187, 474.	2.5	14
47	An electrochemiluminescence aptasensor for diethylstilbestrol assay based on resonance energy transfer between Ag ₃ PO ₄ -Cu-MOF and silver nanoparticles. <i>Analyst, The</i> , 2021, 146, 4254-4260.	1.7	14
48	An electrochemiluminescence aptasensor based on Ru(bpy) ₃ ²⁺ encapsulated titanium-MIL-125 metal-organic framework for bisphenol A assay. <i>Mikrochimica Acta</i> , 2020, 187, 227.	2.5	13
49	Determination of acetamiprid using electrochemiluminescent aptasensor modified by MoS ₂ QDs-PATP/PTCA and NH ₂ -UiO-66. <i>Mikrochimica Acta</i> , 2021, 188, 44.	2.5	12
50	Wavelength-regulated switchable photoelectrochemical system for concurrent detection of dual antibiotics. <i>Biosensors and Bioelectronics</i> , 2022, 202, 113999.	5.3	11
51	A Highly Sensitive Carbendazim Sensor Based on Electrochemically Reduced Graphene Oxide. <i>Electrochemistry</i> , 2014, 82, 1061-1066.	0.6	10
52	One-pot hydrothermal preparation of B and N co-doped graphene aerogels loaded with cobalt oxides for the synergistic enhancement of oxygen reduction electrocatalysis. <i>Journal of Electroanalytical Chemistry</i> , 2020, 877, 114555.	1.9	9
53	Preparation of hierarchical mesoporous Co ₃ O ₄ bundle using [Bmim]TA as a multi-role starting material and its supercapacitor application. <i>Monatshefte für Chemie</i> , 2014, 145, 19-22.	0.9	8
54	Self-accelerated electrochemiluminescence luminophor of Ag ₃ PO ₄ -Ti ₃ C ₂ for trace lincomycin aptasensing. <i>Microchemical Journal</i> , 2022, 179, 107578.	2.3	8

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55	Visible light-driven self-powered aptasensors for ultrasensitive Microcystin-LR detection based on the carrier density effect of N-doped graphene hydrogel/hematite Schottky junctions. <i>Analyst</i> , The, 2021, 146, 6220-6227.	1.7	7
56	Catalysis-induced performance enhancement of an electrochemical microcystin-LR aptasensor based on cobalt-based oxide on a B, N co-doped graphene hydrogel. <i>Analyst</i> , The, 2021, 146, 2574-2580.	1.7	7
57	Fluorometric Aptasensor for Determination of Escherichia coli O157:H7 by FRET Effect between Aminated Carbon Quantum Dots and Graphene Oxide. <i>Analytical Sciences</i> , 2021, 37, 833-838.	0.8	6
58	Non-noble metal plasmonic enhanced photoelectrochemical sensing of chlorpyrifos based on 1D TiO ₂ -x/3D nitrogen-doped graphene hydrogel heterostructure. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5373-5382.	1.9	5
59	Simply amplified signal in electrochemiluminescence sensor using nano-gold film as a bridge. <i>Microchemical Journal</i> , 2022, 172, 106887.	2.3	3