

# Xiaojiao Du

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,980  
citations

257357

24  
h-index

360920

35  
g-index

36  
all docs

36  
docs citations

36  
times ranked

2422  
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	Visible light photoelectrochemical sensor for ultrasensitive determination of dopamine based on synergistic effect of graphene quantum dots and TiO <sub>2</sub> nanoparticles. <i>Analytica Chimica Acta</i> , 2015, 853, 258-264.	2.6	148
3	A facile label-free colorimetric aptasensor for acetamiprid based on the peroxidase-like activity of hemin-functionalized reduced graphene oxide. <i>Biosensors and Bioelectronics</i> , 2015, 65, 39-46.	5.3	123
4	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 &amp; Interfaces</i> , 2015, 7, 3093-3100.	4.0	110
5	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
6	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
7	Facile one-pot synthesis of visible light-responsive BiPO <sub>4</sub> /nitrogen doped graphene hydrogel for fabricating label-free photoelectrochemical tetracycline aptasensor. <i>Biosensors and Bioelectronics</i> , 2018, 111, 131-137.	5.3	87
8	New Insights toward Efficient Charge-Separation Mechanism for High-Performance Photoelectrochemical Aptasensing: Enhanced Charge-Carrier Lifetime via Coupling Ultrathin MoS <sub>2</sub> Nanoplates with Nitrogen-Doped Graphene Quantum Dots. <i>Analytical Chemistry</i> , 2017, 89, 4525-4531.	3.2	85
9	Gold nanorods plasmon-enhanced photoelectrochemical aptasensing based on hematite/N-doped graphene films for ultrasensitive analysis of 17 $\beta$ -estradiol. <i>Biosensors and Bioelectronics</i> , 2017, 91, 706-713.	5.3	82
10	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
11	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
12	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
13	MoS <sub>2</sub> /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
14	Engineering efficient charge transfer based on ultrathin graphite-like carbon nitride/WO <sub>3</sub> 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	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
17	One-pot hydrothermal route to fabricate nitrogen doped graphene/Ag-TiO <sub>2</sub> : 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
18	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

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19	CeO <sub>2</sub> 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
20	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
21	One-pot synthesis of ZnO quantum dots/N-doped Ti <sub>3</sub> C <sub>2</sub> MXene: Tunable nitrogen-doping properties and efficient electrochemiluminescence sensing. <i>Chemical Engineering Journal</i> , 2022, 430, 132771.	6.6	42
22	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
23	Ultrasensitive near-infrared aptasensor for enrofloxacin detection based on wavelength tunable AgBr nanocrystals electrochemiluminescence emission triggered by O-terminated Ti <sub>3</sub> C <sub>2</sub> MXene. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113917.	5.3	30
24	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
25	Femtomolar sensitivity of bisphenol A photoelectrochemical aptasensor induced by visible light-driven TiO <sub>2</sub> nanoparticle-decorated nitrogen-doped graphene. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6249-6257.	2.9	23
26	An ON <sup>1</sup> →OFF→ON <sup>2</sup> electrochemiluminescence response: combining the intermolecular specific binding with a radical scavenger. <i>Chemical Communications</i> , 2015, 51, 11236-11239.	2.2	20
27	TiO <sub>2</sub> 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
28	Self-powered photoelectrochemical sensor for chlorpyrifos detection in fruit and vegetables based on metal-ligand charge transfer effect by Ti <sub>3</sub> C <sub>2</sub> based Schottky junction. <i>Food Chemistry</i> , 2022, 385, 132731.	4.2	20
29	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
30	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
31	Ultrafine $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> 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
32	Wavelength-regulated switchable photoelectrochemical system for concurrent detection of dual antibiotics. <i>Biosensors and Bioelectronics</i> , 2022, 202, 113999.	5.3	11
33	Self-accelerated electrochemiluminescence luminophor of Ag <sub>3</sub> PO <sub>4</sub> -Ti <sub>3</sub> C <sub>2</sub> for trace lincomycin aptasensing. <i>Microchemical Journal</i> , 2022, 179, 107578.	2.3	8
34	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> , 2021, 146, 6220-6227.	1.7	7
35	Non-noble metal plasmonic enhanced photoelectrochemical sensing of chlorpyrifos based on 1D TiO <sub>2</sub> -x/3D nitrogen-doped graphene hydrogel heterostructure. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5373-5382.	1.9	5