

# Xuehui Pang

## List of Publications by Year in descending order

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36  
papers

1,714  
citations

270111

25  
h-index

388640

36  
g-index

36  
all docs

36  
docs citations

36  
times ranked

2527  
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible Light-Driven Self-Powered Device Based on a Straddling Nano-Heterojunction and Bio-Application for the Quantitation of Exosomal RNA. ACS Nano, 2019, 13, 1817-1827.	7.3	24
2	Construction of self-powered cytosensing device based on ZnO nanodisks@g-C3N4 quantum dots and application in the detection of CCRF-CEM cells. Nano Energy, 2018, 46, 101-109.	8.2	78
3	Electrochemiluminescence quenching of luminol by CuS in situ grown on reduced graphene oxide for detection of N-terminal pro-brain natriuretic peptide. Biosensors and Bioelectronics, 2018, 112, 40-47.	5.3	26
4	Bioapplications of Cell-SELEX-Generated Aptamers in Cancer Diagnostics, Therapeutics, Theranostics and Biomarker Discovery: A Comprehensive Review. Cancers, 2018, 10, 47.	1.7	85
5	A bio-chemical application of N-QDs and g-C3N4 QDs sensitized TiO2 nanopillars for the quantitative detection of pcDNA3-HBV. Biosensors and Bioelectronics, 2017, 91, 456-464.	5.3	59
6	Ultrasensitive Label-free Electrochemical Immunosensor based on Multifunctionalized Graphene Nanocomposites for the Detection of Alpha Fetoprotein. Scientific Reports, 2017, 7, 42361.	1.6	48
7	Increased electrocatalyzed performance through high content potassium doped graphene matrix and aptamer tri infinite amplification labels strategy: Highly sensitive for matrix metalloproteinases-2 detection. Biosensors and Bioelectronics, 2017, 94, 694-700.	5.3	101
8	3D Nanostructured Palladium-Functionalized Graphene-Aerogel-Supported Fe <sub>3</sub> O <sub>4</sub> for Enhanced Ru(bpy) <sub>3</sub> <sup>2+</sup> -Based Electrochemiluminescent Immunosensing of Prostate Specific Antigen. ACS Applied Materials & Interfaces, 2017, 9, 35260-35267.	4.0	130
9	Sandwich-Type Electrochemiluminescence Sensor for Detection of NT-proBNP by Using High Efficiency Quench Strategy of Fe <sub>3</sub> O <sub>4</sub> @PDA toward Ru(bpy) <sub>3</sub> <sup>2+</sup> Coordinated with Silver Oxalate. ACS Sensors, 2017, 2, 1774-1778.	4.0	50
10	Photoelectrochemical Cytosensing of RAW264.7 Macrophage Cells Based on a TiO <sub>2</sub> Nanoneedles@MoO <sub>3</sub> Array. Analytical Chemistry, 2017, 89, 7950-7957.	3.2	39
11	Ultrasensitive photoelectrochemical aptasensing of miR-155 using efficient and stable CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> quantum dots sensitized ZnO nanosheets as light harvester. Biosensors and Bioelectronics, 2016, 85, 142-150.	5.3	44
12	Visible light photoelectrochemical aptasensor for adenosine detection based on CdS/PPy/g-C3N4 nanocomposites. Biosensors and Bioelectronics, 2016, 86, 439-445.	5.3	96
13	Visible-light driven photoelectrochemical immunosensor for insulin detection based on MWCNTs@SnS <sub>2</sub> @CdS nanocomposites. Biosensors and Bioelectronics, 2016, 86, 301-307.	5.3	50
14	Enhanced photoelectrochemical aptasensing platform for TXNDC5 gene based on exciton energy transfer between NCQDs and TiO <sub>2</sub> nanorods. Scientific Reports, 2016, 6, 19202.	1.6	8
15	Enhanced photoelectrochemical cytosensing of fibroblast-like synoviocyte cells based on visible light-activated ox-GQDs and carboxylated g-C <sub>3</sub> N <sub>4</sub> sensitized TiO <sub>2</sub> nanorods. Journal of Materials Chemistry B, 2016, 4, 4612-4619.	2.9	13
16	Facile fabrication of an electrochemical aptasensor based on magnetic electrode by using streptavidin modified magnetic beads for sensitive and specific detection of Hg <sup>2+</sup> . Biosensors and Bioelectronics, 2016, 82, 9-13.	5.3	48
17	Ultrasensitive electrochemical immunosensor for SCCA detection based on ternary Pt/PdCu nanocube anchored on three-dimensional graphene framework for signal amplification. Biosensors and Bioelectronics, 2016, 79, 71-78.	5.3	73
18	A photoelectrochemical biosensor for fibroblast-like synoviocyte cell using visible light-activated NCQDs sensitized-ZnO/CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> heterojunction. Biosensors and Bioelectronics, 2016, 77, 330-338.	5.3	40

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19	Novel gold nanocluster electrochemiluminescence immunosensors based on nanoporous NiGdâ€“Ni <sub>2</sub> O <sub>3</sub> â€“Cd <sub>2</sub> O <sub>3</sub> alloys. <i>Biosensors and Bioelectronics</i> , 2016, 75, 142-147.	5.3	19
20	An ultrasensitive squamous cell carcinoma antigen biosensing platform utilizing double-antibody single-channel amplification strategy. <i>Biosensors and Bioelectronics</i> , 2015, 72, 156-159.	5.3	25
21	A simple label-free photoelectrochemical immunosensor for highly sensitive detection of aflatoxin B <sub>1</sub> based on CdSâ€“Fe <sub>3</sub> O <sub>4</sub> magnetic nanocomposites. <i>RSC Advances</i> , 2015, 5, 19581-19586.	1.7	27
22	Electrochemiluminescence modified electrodes based on RuSi@Ru(bpy) <sub>3</sub> <sup>2+</sup> loaded with gold functionalized nanoporous CO/Co <sub>3</sub> O <sub>4</sub> for detection of mycotoxin deoxynivalenol. <i>Biosensors and Bioelectronics</i> , 2015, 70, 28-33.	5.3	29
23	Novel signal amplification strategy for ultrasensitive sandwich-type electrochemical immunosensor employing Pdâ€“Fe <sub>3</sub> O <sub>4</sub> -GS as the matrix and SiO <sub>2</sub> as the label. <i>Biosensors and Bioelectronics</i> , 2015, 74, 59-65.	5.3	52
24	Photoelectrochemical detection of Cd <sup>2+</sup> based on in situ electrodeposition of CdS on ZnO nanorods. <i>Analytical Methods</i> , 2015, 7, 5406-5411.	1.3	13
25	A visible light induced photoelectrochemical aptsensor constructed by aligned ZnO@CdTe core shell nanocable arrays/carboxylated g-C <sub>3</sub> N <sub>4</sub> for the detection of Proprotein convertase subtilisin/kexin type 6 gene. <i>Biosensors and Bioelectronics</i> , 2015, 74, 49-58.	5.3	51
26	An electrochemiluminescent immunosensor based on CdSâ€“Fe <sub>3</sub> O <sub>4</sub> nanocomposite electrodes for the detection of Ochratoxin A. <i>New Journal of Chemistry</i> , 2015, 39, 4259-4264.	1.4	10
27	CdSe quantum dot-functionalized TiO <sub>2</sub> nanohybrids as a visible light induced photoelectrochemical platform for the detection of proprotein convertase subtilisin/kexin type 6. <i>Biosensors and Bioelectronics</i> , 2015, 71, 88-97.	5.3	23
28	An electrochemical immunosensor for ultrasensitive detection of HBsAg based on platinum nanoparticles loaded on natural montmorillonite. <i>Analytical Methods</i> , 2015, 7, 9150-9157.	1.3	7
29	A novel electrochemiluminescent immunosensor based on the quenching effect of aminated graphene on nitrogen-doped carbon quantum dots. <i>Analytica Chimica Acta</i> , 2015, 889, 82-89.	2.6	62
30	Label-Free Electrochemiluminescent Immunosensor for Detection of Carcinoembryonic Antigen Based on Nanocomposites of GO/MWCNTs-COOH/Au@CeO <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 19260-19267.	4.0	97
31	Quenched electrochemiluminescence of Ag nanoparticles functionalized g-C <sub>3</sub> N <sub>4</sub> by ferrocene for highly sensitive immunosensing. <i>Analytica Chimica Acta</i> , 2015, 854, 40-46.	2.6	51
32	A novel controlled release system-based homogeneous immunoassay protocol for SCCA using magnetic mesoporous Fe <sub>3</sub> O <sub>4</sub> as a nanocontainer and aminated polystyrene microspheres as a molecular gate. <i>Biosensors and Bioelectronics</i> , 2015, 66, 141-145.	5.3	25
33	Ultrasensitive electrochemical immunoassay for CEA through hostâ€“guest interaction of Î²-cyclodextrin functionalized graphene and Cu@Ag coreâ€“shell nanoparticles with adamantane-modified antibody. <i>Biosensors and Bioelectronics</i> , 2015, 63, 465-471.	5.3	117
34	A label-free amperometric immunosensor for detection of zearalenone based on trimetallic Au-core/AgPt-shell nanorattles and mesoporous carbon. <i>Analytica Chimica Acta</i> , 2014, 847, 29-36.	2.6	66
35	Electrochemical, quantum chemical and SEM investigation of the inhibiting effect and mechanism of ciprofloxacin, norfloxacin and ofloxacin on the corrosion for mild steel in hydrochloric acid. <i>Science in China Series B: Chemistry</i> , 2008, 51, 928-936.	0.8	26
36	Adsorption of CO molecules on Rh low index and (331) stepped surfaces. <i>Science Bulletin</i> , 2004, 49, 1012-1019.	1.7	2