

# Guangyu Shen

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

505  
citations

759233

12  
h-index

677142

22  
g-index

26  
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26  
docs citations

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times ranked

871  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical immunosensor based on Pd@Au nanoparticles supported on functionalized PDDA-MWCNT nanocomposites for aflatoxin B1 detection. <i>Analytical Biochemistry</i> , 2016, 494, 10-15.	2.4	70
2	Signal enhancement in a lateral flow immunoassay based on dual gold nanoparticle conjugates. <i>Clinical Biochemistry</i> , 2013, 46, 1734-1738.	1.9	55
3	Signal-Enhanced Lateral Flow Immunoassay with Dual Gold Nanoparticle Conjugates for the Detection of Hepatitis B Surface Antigen. <i>ACS Omega</i> , 2019, 4, 5083-5087.	3.5	41
4	Improvement of antibody immobilization using hyperbranched polymer and protein A. <i>Analytical Biochemistry</i> , 2011, 409, 22-27.	2.4	40
5	Highly sensitive electrochemical stripping detection of hepatitis B surface antigen based on copper-enhanced gold nanoparticle tags and magnetic nanoparticles. <i>Analytica Chimica Acta</i> , 2010, 674, 27-31.	5.4	38
6	Direct immobilization of antibodies on dialdehyde cellulose film for convenient construction of an electrochemical immunosensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 200, 304-309.	7.8	38
7	Background eliminated signal-on electrochemical aptasensing platform for highly sensitive detection of protein. <i>Biosensors and Bioelectronics</i> , 2015, 66, 363-369.	10.1	34
8	One-step immobilization of antibodies for $\alpha$ -fetoprotein immunosensor based on dialdehyde cellulose/ionic liquid composite. <i>Analytical Biochemistry</i> , 2015, 471, 38-43.	2.4	24
9	Lateral Flow Immunoassay with the Signal Enhanced by Gold Nanoparticle Aggregates Based on Polyamidoamine Dendrimer. <i>Analytical Sciences</i> , 2013, 29, 799-804.	1.6	23
10	A label-free electrochemical immunosensor based on a new polymer containing aldehyde and ferrocene groups. <i>Talanta</i> , 2017, 164, 483-489.	5.5	20
11	A novel piezoelectric quartz crystal immunosensor based on hyperbranched polymer films for the detection of $\alpha$ -Fetoprotein. <i>Analytica Chimica Acta</i> , 2008, 630, 75-81.	5.4	19
12	Voltammetric immunoassay for $\alpha$ -fetoprotein by using a gold nanoparticle/dendrimer conjugate and a ferrocene derived ionic liquid. <i>Mikrochimica Acta</i> , 2018, 185, 346.	5.0	15
13	Direct immobilization of antibodies on a new polymer film for fabricating an electrochemical impedance immunosensor. <i>Analytical Biochemistry</i> , 2015, 485, 81-85.	2.4	11
14	A novel label-free electrochemical immunosensor based on aldehyde-terminated ionic liquid. <i>Talanta</i> , 2017, 175, 347-351.	5.5	11
15	The development of an electrochemical immunosensor using a thiol aromatic aldehyde and PAMAM-functionalized Fe <sub>3</sub> O <sub>4</sub> @Au nanoparticles. <i>Analytical Biochemistry</i> , 2015, 485, 66-71.	2.4	10
16	Label-Free Electrochemical Immunosensor Based on $\beta$ -Cyclodextrin-Functionalized Helical Carbon Nanotube and Ionic Liquid Containing Ferrocene and Aldehyde Groups. <i>ACS Omega</i> , 2019, 4, 20252-20256.	3.5	10
17	The fabrication of a label-free electrochemical immunosensor using Nafion/carbon nanotubes/charged pyridinecarboxaldehyde composite film. <i>Analytical Biochemistry</i> , 2016, 504, 14-19.	2.4	9
18	Development of an electrochemical aptasensor for thrombin based on aptamer/Pd@AuNPs/HRP conjugates. <i>Analytical Methods</i> , 2016, 8, 2150-2155.	2.7	8

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19	A versatile matrix of an ionic liquid functionalized with aldehyde and ferrocene groups for label-free electrochemical immunosensors. <i>Analytical Methods</i> , 2018, 10, 1612-1617.	2.7	8
20	Label-Free Electrochemical Immunosensor Based on Ionic Liquid Containing Dialdehyde As a Novel Linking Agent for the Antibody Immobilization. <i>ACS Omega</i> , 2018, 3, 11227-11232.	3.5	7
21	A simple strategy for signal amplification based on DNA hybridization chain reaction for thrombin detection. <i>New Journal of Chemistry</i> , 2015, 39, 6965-6969.	2.8	4
22	Simple and Effective Approach to Prepare an Epoxy-Functionalized Polymer and Its Application for an Electrochemical Immunosensor. <i>ACS Omega</i> , 2021, 6, 3637-3643.	3.5	4
23	Electrochemical impedimetric immunosensor based on host-guest interaction between $\beta$ -cyclodextrin and ferrocene anchored to ionic liquid. <i>Ionics</i> , 2019, 25, 3407-3412.	2.4	3
24	The Fabrication of Electrochemical Impedance Immunosensor Based on Aldehyde-containing Self-assembled Monolayers for Hepatitis B Surface Antigen Detection. <i>Electrochemistry</i> , 2016, 84, 224-227.	1.4	2
25	The fabrication of a piezoelectric immunosensor based on DNA-antibody conjugate layer. <i>Analytical Biochemistry</i> , 2011, 418, 167-171.	2.4	1
26	The fabrication of a label-free electrochemical immunosensor using an aldehyde-functionalized pyridinium salt for antibody immobilization. <i>Analytical Methods</i> , 2016, 8, 6782-6786.	2.7	0