

Peng Yu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

563
citations

840776

11
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

803
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasensitive Electrochemical Detection of Nucleic Acids Based on the Dual-Signaling Electrochemical Ratiometric Method and Exonuclease III-Assisted Target Recycling Amplification Strategy. <i>Analytical Chemistry</i> , 2015, 87, 7291-7296.	6.5	143
2	A ratiometric electrochemical biosensor for sensitive detection of Hg ²⁺ based on thymine-Hg ²⁺ thymine structure. <i>Analytica Chimica Acta</i> , 2015, 853, 242-248.	5.4	111
3	A novel electrochemical aptasensor for bisphenol A assay based on triple-signaling strategy. <i>Biosensors and Bioelectronics</i> , 2016, 79, 22-28.	10.1	72
4	A simple label-free electrochemical aptasensor for dopamine detection. <i>RSC Advances</i> , 2014, 4, 52250-52255.	3.6	45
5	A ratiometric electrochemical aptasensor for sensitive detection of protein based on aptamer-target-aptamer sandwich structure. <i>Journal of Electroanalytical Chemistry</i> , 2014, 732, 61-65.	3.8	32
6	Smart protein biogate as a mediator to regulate competitive host-guest interaction for sensitive ratiometric electrochemical assay of prion. <i>Scientific Reports</i> , 2015, 5, 16015.	3.3	30
7	A label-free and cascaded dual-signaling amplified electrochemical aptasensing platform for sensitive prion assay. <i>Biosensors and Bioelectronics</i> , 2016, 85, 471-478.	10.1	24
8	A label-free electrochemical strategy for highly sensitive methyltransferase activity assays. <i>Chemical Communications</i> , 2015, 51, 5081-5084.	4.1	23
9	An electrochemical biosensor for sensitive detection of Hg ²⁺ based on exonuclease III-assisted target recycling and hybridization chain reaction amplification strategies. <i>Analytical Methods</i> , 2016, 8, 2106-2111.	2.7	21
10	3D Microfluidic Devices in a Single Piece of Paper for the Simultaneous Determination of Nitrite and Thiocyanate. <i>Sensors</i> , 2020, 20, 4118.	3.8	12
11	New Single-Layered Paper-Based Microfluidic Devices for the Analysis of Nitrite and Glucose Built via Deposition of Adhesive Tape. <i>Sensors</i> , 2019, 19, 4082.	3.8	11
12	A colorimetric microfluidic sensor made by a simple instrumental-free prototyping process for sensitive quantitation of copper. <i>Chemical Papers</i> , 2019, 73, 1509-1517.	2.2	11
13	A paper-based colorimetric microfluidic sensor fabricated by a novel spray painting prototyping process for iron analysis. <i>Canadian Journal of Chemistry</i> , 2019, 97, 373-377.	1.1	8
14	A novel laminated polycaprolactone/paper/silver electrode for lead(II) detection. <i>Analytical Methods</i> , 2017, 9, 1702-1706.	2.7	7
15	Nano-fluorescent probes based on DNA-templated copper nanoclusters for fast sensing of thiocyanate. <i>New Journal of Chemistry</i> , 2020, 44, 17296-17301.	2.8	5
16	Effect of chloride salt type on the physicochemical, mechanical and morphological properties of fish gelatin film. <i>Materials Research Express</i> , 2019, 6, 126414.	1.6	4
17	Fluorometric determination of the breast cancer 1 gene based on the target-induced conformational change of a DNA template for copper nanoclusters. <i>Analytical Methods</i> , 2021, 13, 712-718.	2.7	2
18	Single-Layered Paper-Based Microfluidic Devices Made by Paint-Spraying Technique with Great Barrier Resistance for Colorimetric Assays. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	1

#	ARTICLE	IF	CITATIONS
19	The Influence of Cysteine on the Performances of Gelatin Film. IOP Conference Series: Earth and Environmental Science, 2021, 697, 012011.	0.3	1
20	Influences of four kinds of calcium salts on the functional performances of gelatin composite films. Journal of Physics: Conference Series, 2020, 1605, 012183.	0.4	0