

Na Lu

List of Publications by Year in descending order

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30
papers

2,285
citations

331670

21
h-index

414414

32
g-index

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all docs

32
docs citations

32
times ranked

3020
citing authors

#	ARTICLE	IF	CITATIONS
1	A DNA Nanostructure-based Biomolecular Probe Carrier Platform for Electrochemical Biosensing. <i>Advanced Materials</i> , 2010, 22, 4754-4758.	21.0	484
2	Silicon-Nanowire-Based CMOS-Compatible Field-Effect Transistor Nanosensors for Ultrasensitive Electrical Detection of Nucleic Acids. <i>Nano Letters</i> , 2011, 11, 3974-3978.	9.1	257
3	Enhanced Sensing of Nucleic Acids with Silicon Nanowire Field Effect Transistor Biosensors. <i>Nano Letters</i> , 2012, 12, 5262-5268.	9.1	189
4	Yolk-shell nanostructured Fe ₃ O ₄ @C magnetic nanoparticles with enhanced peroxidase-like activity for label-free colorimetric detection of H ₂ O ₂ and glucose. <i>Nanoscale</i> , 2017, 9, 4508-4515.	5.6	175
5	Charge Transport within a Three-Dimensional DNA Nanostructure Framework. <i>Journal of the American Chemical Society</i> , 2012, 134, 13148-13151.	13.7	118
6	CMOS-compatible Silicon Nanowire Field-Effect Transistors for Ultrasensitive and Label-free MicroRNAs Sensing. <i>Small</i> , 2014, 10, 2022-2028.	10.0	99
7	Ultrasensitive aptamer-based protein assays based on one-dimensional core-shell nanozymes. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111881.	10.1	84
8	Signal-to-Noise Ratio Enhancement of Silicon Nanowires Biosensor with Rolling Circle Amplification. <i>Nano Letters</i> , 2013, 13, 4123-4130.	9.1	73
9	Rational design of an optical adenosine sensor by conjugating a DNA aptamer with split DNAzyme halves. <i>Chemical Communications</i> , 2008, , 6161.	4.1	71
10	Simultaneous detection of dual biomarkers using hierarchical MoS ₂ nanostructuring and nano-signal amplification-based electrochemical aptasensor toward accurate diagnosis of prostate cancer. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113797.	10.1	70
11	Ultrasensitive Detection of Dual Cancer Biomarkers with Integrated CMOS-Compatible Nanowire Arrays. <i>Analytical Chemistry</i> , 2015, 87, 11203-11208.	6.5	64
12	Engineering Nanozymes Using DNA for Catalytic Regulation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1790-1799.	8.0	61
13	Colorimetric Hg ²⁺ detection with a label-free and fully DNA-structured sensor assembly incorporating G-quadruplex halves. <i>Analyst</i> , 2009, 134, 1822.	3.5	58
14	Direct ultrasensitive electrical detection of prostate cancer biomarkers with CMOS-compatible n- and p-type silicon nanowire sensor arrays. <i>Nanoscale</i> , 2014, 6, 13036-13042.	5.6	54
15	Graphene-based nanomaterials in biosystems. <i>Nano Research</i> , 2019, 12, 247-264.	10.4	52
16	Advances in Nanowire Transistor-based Biosensors. <i>Small Methods</i> , 2018, 2, 1700263.	8.6	49
17	Engineering DNA-based Nanozyme Interfaces for Rapid Detection of Dental Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30640-30647.	8.0	48
18	Bacterial Analysis Using an Electrochemical DNA Biosensor with Poly-Adenine-Mediated DNA Self-Assembly. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 6895-6903.	8.0	45

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19	Metal-Nanoparticle-Supported Nanozyme-Based Colorimetric Sensor Array for Precise Identification of Proteins and Oral Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11156-11166.	8.0	37
20	Label-Free and Rapid Electrical Detection of hTSH with CMOS-Compatible Silicon Nanowire Transistor Arrays. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 20378-20384.	8.0	34
21	One-Dimensional Synergistic Core-Shell Nanozymes with Superior Peroxidase-like Activity for Ultrasensitive Colorimetric Detection of Blood Cholesterol. <i>ACS Applied Bio Materials</i> , 2020, 3, 5111-5119.	4.6	25
22	Construction of Bio-Nano Interfaces on Nanozymes for Bioanalysis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 21040-21050.	8.0	25
23	Multi-triggered and enzyme-mimicking graphene oxide/polyvinyl alcohol/G-quartet supramolecular hydrogels. <i>Nanoscale</i> , 2020, 12, 5186-5195.	5.6	22
24	Modulating the Biomimetic and Fluorescence Quenching Activities of Metal-Organic Framework/Platinum Nanoparticle Composites and Their Applications in Molecular Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 21677-21686.	8.0	17
25	Multifunctional Yolk-Shell Nanostructure as a Superquencher for Fluorescent Analysis of Potassium Ion Using Guanine-Rich Oligonucleotides. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30406-30413.	8.0	16
26	Progress in Silicon Nanowire-Based Field-Effect Transistor Biosensors for Label-Free Detection of DNA. <i>Chinese Journal of Chemistry</i> , 2016, 34, 308-316.	4.9	14
27	A DFT Screening of M-HKUST-1 MOFs for Nitrogen-Containing Compounds Adsorption. <i>Nanomaterials</i> , 2018, 8, 958.	4.1	13
28	Enhanced synergistic effects from multiple iron oxide nanoparticles encapsulated within nitrogen-doped carbon nanocages for simple and label-free visual detection of blood glucose. <i>Nanotechnology</i> , 2019, 30, 355501.	2.6	9
29	A G-Quadruplex/Hemin Complex with Switchable Peroxidase Activity by DNA Hybridization. <i>Chinese Journal of Chemistry</i> , 2012, 30, 1575-1581.	4.9	6
30	Interaction of Ethylene with Irn (n = 1-10): From Bare Clusters to γ -Al ₂ O ₃ -Supported Nanoparticles. <i>Nanomaterials</i> , 2019, 9, 331.	4.1	6