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List of Publications by Year in descending order

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29
papers

1,191
citations

394286

19
h-index

454834

30
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30
all docs

30
docs citations

30
times ranked

1364
citing authors

#	ARTICLE	IF	CITATIONS
1	A Robust Electrochemical Sensor Based on Butterfly-shaped Silver Nanostructure for Concurrent Quantification of Heavy Metals in Water Samples. <i>Electroanalysis</i> , 2023, 35, .	1.5	11
2	Manganese single-atom catalysts for catalytic-photothermal synergistic anti-infected therapy. <i>Chemical Engineering Journal</i> , 2022, 438, 135636.	6.6	18
3	Anti-MicroRNA-21 Oligonucleotide Loaded Spermine-Modified Acetalated Dextran Nanoparticles for B1 Receptor-Targeted Gene Therapy and Antiangiogenesis Therapy. <i>Advanced Science</i> , 2022, 9, e2103812.	5.6	18
4	Terminal deoxynucleotidyl transferase-mediated formation of protein binding polynucleotides. <i>Nucleic Acids Research</i> , 2021, 49, 1065-1074.	6.5	14
5	Sensory development for heavy metal detection: A review on translation from conventional analysis to field-portable sensor. <i>Trends in Food Science and Technology</i> , 2021, 109, 674-689.	7.8	62
6	Upregulating Aggregation-Induced-Emission Nanoparticles with Blood-Tumor Barrier Permeability for Precise Photothermal Eradication of Brain Tumors and Induction of Local Immune Responses. <i>Advanced Materials</i> , 2021, 33, e2008802.	11.1	54
7	Biodegradable Polymeric Nanoparticles Containing an Immune Checkpoint Inhibitor (aPDL1) to Locally Induce Immune Responses in the Central Nervous System. <i>Advanced Functional Materials</i> , 2021, 31, 2102274.	7.8	11
8	A non-enzymatic, isothermal strand displacement and amplification assay for rapid detection of SARS-CoV-2 RNA. <i>Nature Communications</i> , 2021, 12, 5089.	5.8	47
9	A multivalent aptamer-based electrochemical biosensor for biomarker detection in urinary tract infection. <i>Electrochimica Acta</i> , 2021, 389, 138644.	2.6	12
10	Single Functionalized pRNA/Gold Nanoparticle for Ultrasensitive MicroRNA Detection Using Electrochemical Surface-Enhanced Raman Spectroscopy. <i>Advanced Science</i> , 2020, 7, 1902477.	5.6	53
11	Synthesis of graphene quantum dots and their applications in drug delivery. <i>Journal of Nanobiotechnology</i> , 2020, 18, 142.	4.2	142
12	Detachable microfluidic device implemented with electrochemical aptasensor (DeMEA) for sequential analysis of cancerous exosomes. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112622.	5.3	66
13	The Use of Aptamers and Molecularly Imprinted Polymers in Biosensors for Environmental Monitoring: A Tale of Two Receptors. <i>Chemosensors</i> , 2020, 8, 32.	1.8	28
14	Biodegradable Poly(γ -glutamic acid)-glucose oxidase-carbon dot nanoparticles for simultaneous multimodal imaging and synergetic cancer therapy. <i>Biomaterials</i> , 2020, 252, 120106.	5.7	99
15	γ -Hydroxybutyrate dehydrogenase decorated MXene nanosheets for the amperometric determination of γ -hydroxybutyrate. <i>Mikrochimica Acta</i> , 2020, 187, 277.	2.5	33
16	Gold nanoparticle/MXene for multiple and sensitive detection of oncomiRs based on synergetic signal amplification. <i>Biosensors and Bioelectronics</i> , 2020, 159, 112208.	5.3	95
17	Bacterial Isolation by Adsorption on Graphene Oxide from Large Volume Sample. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 6975-6979.	0.9	3
18	2D Materials in Development of Electrochemical Point-of-Care Cancer Screening Devices. <i>Micromachines</i> , 2019, 10, 662.	1.4	37

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19	Fabrication of electrochemical biosensor consisted of multi-functional DNA structure/porous au nanoparticle for avian influenza virus (H5N1) in chicken serum. <i>Materials Science and Engineering C</i> , 2019, 99, 511-519.	3.8	87
20	Resistive switching biodevice composed of MoS ₂ -DNA heterolayer on the gold electrode. <i>Applied Surface Science</i> , 2019, 478, 134-141.	3.1	28
21	Multifunctional Nanobiohybrid Material Composed of Ag@Bi ₂ Se ₃ /RNA Three-Way Junction/miRNA/Retinoic Acid for Neuroblastoma Differentiation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8779-8788.	4.0	20
22	Relay-race RNA/barcode gold nanoflower hybrid for wide and sensitive detection of microRNA in total patient serum. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111468.	5.3	19
23	Electrochemical Biosensor Composed of Silver Ion-Mediated dsDNA on Au-Encapsulated Bi ₂ Se ₃ Nanoparticles for the Detection of H ₂ O ₂ Released from Breast Cancer Cells. <i>Small</i> , 2018, 14, e1703970.	5.2	74
24	Spectroelectrochemical detection of microRNA-155 based on functional RNA immobilization onto ITO/GNP nanopattern. <i>Journal of Biotechnology</i> , 2018, 274, 40-46.	1.9	24
25	Fabrication of Electrochemical-Based Bioelectronic Device and Biosensor Composed of Biomaterial-Nanomaterial Hybrid. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1064, 263-296.	0.8	10
26	Bifunctional Au@Bi ₂ Se ₃ Core-Shell Nanoparticle for Synergetic Therapy by SERS-Traceable AntagomiR Delivery and Photothermal Treatment. <i>Small</i> , 2018, 14, e1802934.	5.2	47
27	Electrochemical nitric oxide biosensor based on amine-modified MoS ₂ /graphene oxide/myoglobin hybrid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 729-736.	2.5	38
28	Electrochemical nucleic acid detection based on parallel structural dsDNA/recombinant azurin hybrid. <i>Biosensors and Bioelectronics</i> , 2017, 98, 292-298.	5.3	25
29	Self-Ordered Nanopore Arrays with 300-400 nm Interpore Distances Formed by High Field Accelerated Mild Anodization. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 035203.	0.8	2