

Na Sun

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,323
citations

331670

21
h-index

345221

36
g-index

41
all docs

41
docs citations

41
times ranked

1767
citing authors

#	ARTICLE	IF	CITATIONS
1	Purification of HCC-specific extracellular vesicles on nanosubstrates for early HCC detection by digital scoring. <i>Nature Communications</i> , 2020, 11, 4489.	12.8	134
2	Chitosan Nanofibers for Specific Capture and Nondestructive Release of CTCs Assisted by pCBMA Brushes. <i>Small</i> , 2016, 12, 5090-5097.	10.0	105
3	Near-Infrared Light-Driven Photoelectrochemical Aptasensor Based on the Upconversion Nanoparticles and TiO ₂ /CdTe Heterostructure for Detection of Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25834-25839.	8.0	82
4	High-purity capture of CTCs based on micro-beads enhanced isolation by size of epithelial tumor cells (ISET) method. <i>Biosensors and Bioelectronics</i> , 2018, 102, 157-163.	10.1	74
5	A Multiscale TiO ₂ Nanorod Array for Ultrasensitive Capture of Circulating Tumor Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12638-12643.	8.0	68
6	High-Efficiency Isolation and Rapid Identification of Heterogeneous Circulating Tumor Cells (CTCs) Using Dual-Antibody-Modified Fluorescent-Magnetic Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 39586-39593.	8.0	68
7	Berberine as a novel light-up i-motif fluorescence ligand and its application in designing molecular logic systems. <i>Chemical Communications</i> , 2016, 52, 179-182.	4.1	65
8	A Cellular Compatible Chitosan Nanoparticle Surface for Isolation and In Situ Culture of Rare Number CTCs. <i>Small</i> , 2015, 11, 5444-5451.	10.0	63
9	Bio-Inspired NanoVilli Chips for Enhanced Capture of Tumor-Derived Extracellular Vesicles: Toward Non-Invasive Detection of Gene Alterations in Non-Small Cell Lung Cancer. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13973-13983.	8.0	55
10	A graphene aptasensor for biomarker detection in human serum. <i>Electrochimica Acta</i> , 2018, 290, 356-363.	5.2	46
11	Aptamer-Modified Temperature-Sensitive Liposomal Contrast Agent for Magnetic Resonance Imaging. <i>Biomacromolecules</i> , 2015, 16, 2618-2623.	5.4	45
12	Peptide NGR Modified TiO ₂ Nanofiber Substrate for Circulating Tumor Cells Capture. <i>Advanced Fiber Materials</i> , 2020, 2, 186-193.	16.1	41
13	Multifunctional Nanofibers for Specific Purification and Release of CTCs. <i>ACS Sensors</i> , 2017, 2, 547-552.	7.8	40
14	Natural Biointerface Based on Cancer Cell Membranes for Specific Capture and Release of Circulating Tumor Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20263-20270.	8.0	38
15	Tannic Acid (TA)-Functionalized Magnetic Nanoparticles for EpCAM-Independent Circulating Tumor Cell (CTC) Isolation from Patients with Different Cancers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3694-3700.	8.0	34
16	In vitro selection of DNA aptamers against renal cell carcinoma using living cell-SELEX. <i>Talanta</i> , 2017, 175, 235-242.	5.5	31
17	Fabrication of aptamer modified TiO ₂ nanofibers for specific capture of circulating tumor cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 191, 110985.	5.0	28
18	Neutral red as a specific light-up fluorescent probe for i-motif DNA. <i>Chemical Communications</i> , 2016, 52, 14330-14333.	4.1	26

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19	Dual-antibody Modified PLGA Nanofibers for Specific Capture of Epithelial and Mesenchymal CTCs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 143-148.	5.0	25
20	Supramolecular nanosubstrate-mediated delivery system enables CRISPR-Cas9 knockin of hemoglobin beta gene for hemoglobinopathies. <i>Science Advances</i> , 2020, 6, .	10.3	25
21	Selection and Characterization of Malachite Green Aptamers for the Development of Light-up Probes. <i>ChemistrySelect</i> , 2016, 1, 1571-1574.	1.5	24
22	Dual signal amplification by an α -concanavalin A DNA hydrogel encapsulating HRP for colorimetric detection of ochratoxin A. <i>RSC Advances</i> , 2016, 6, 114500-114504.	3.6	23
23	Circulating trophoblast cell clusters for early detection of placenta accreta spectrum disorders. <i>Nature Communications</i> , 2021, 12, 4408.	12.8	23
24	Coupling Nanostructured Microchips with Covalent Chemistry Enables Purification of Sarcoma-Derived Extracellular Vesicles for Downstream Functional Studies. <i>Advanced Functional Materials</i> , 2020, 30, 2003237.	14.9	20
25	A hemin binding G-quadruplex/ Pb^{2+} complex to construct a visible light activated photoelectrochemical sensor on a ZnO/BiOI heterostructure. <i>Analytical Methods</i> , 2015, 7, 9340-9346.	2.7	19
26	Antifouling hydrogel-coated magnetic nanoparticles for selective isolation and recovery of circulating tumor cells. <i>Journal of Materials Chemistry B</i> , 2021, 9, 677-682.	5.8	18
27	Coupling Lipid Labeling and Click Chemistry Enables Isolation of Extracellular Vesicles for Noninvasive Detection of Oncogenic Gene Alterations. <i>Advanced Science</i> , 2022, 9, e2105853.	11.2	15
28	A circulating tumor cell-based digital assay for the detection of EGFR T790M mutation in advanced non-small cell lung cancer. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5636-5644.	5.8	13
29	Building a chimera of aptamer-antisense oligonucleotide for silencing galectin-1 gene. <i>RSC Advances</i> , 2016, 6, 112445-112450.	3.6	12
30	Folic Acid-Modified Fluorescent-Magnetic Nanoparticles for Efficient Isolation and Identification of Circulating Tumor Cells in Ovarian Cancer. <i>Biosensors</i> , 2022, 12, 184.	4.7	12
31	Discovery and characterization of circulating tumor cell clusters in neuroendocrine tumor patients using nanosubstrate-embedded microchips. <i>Biosensors and Bioelectronics</i> , 2022, 199, 113854.	10.1	10
32	Selective capture of circulating tumor cells by antifouling nanostructure substrate made of hydrogel nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 202, 111669.	5.0	8
33	Supramolecular Nanosubstrate-Mediated Delivery for CRISPR/Cas9 Gene Disruption and Deletion. <i>Small</i> , 2021, 17, 2100546.	10.0	8
34	Circulating Tumor Cell-Based Messenger RNA Scoring System for Prognostication of Hepatocellular Carcinoma: Translating Tissue-Based Messenger RNA Profiling Into a Noninvasive Setting. <i>Liver Transplantation</i> , 2022, 28, 200-214.	2.4	8
35	Regulation of MAP4K4 gene expression by RNA interference through an engineered theophylline-dependent hepatitis delta virus ribozyme switch. <i>Molecular BioSystems</i> , 2016, 12, 3370-3376.	2.9	5
36	Inducible Bcl-2 gene RNA interference mediated by aptamer-integrated HDV ribozyme switch. <i>Integrative Biology (United Kingdom)</i> , 2017, 9, 619-626.	1.3	4

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37	Covalent Chemistry-Mediated Multimarker Purification of Circulating Tumor Cells Enables Noninvasive Detection of Molecular Signatures of Hepatocellular Carcinoma. <i>Advanced Materials Technologies</i> , 2021, 6, 2001056.	5.8	4
38	Gene Therapy: Dual Supramolecular Nanoparticle Vectors Enable CRISPR/Cas9-Mediated Knockin of Retinoschisin 1 Gene—A Potential Nonviral Therapeutic Solution for X-Linked Juvenile Retinoschisis (<i>Adv. Sci.</i> 10/2020). <i>Advanced Science</i> , 2020, 7, 2070054.	11.2	2
39	A novel photoelectrochemical aptasensor based on the modulation of a dye sensitized TiO ₂ photoelectrode. <i>Analytical Methods</i> , 2015, 7, 7443-7446.	2.7	1
40	Sarcoma-Derived Extracellular Vesicles: Coupling Nanostructured Microchips with Covalent Chemistry Enables Purification of Sarcoma-Derived Extracellular Vesicles for Downstream Functional Studies (<i>Adv. Funct. Mater.</i> 49/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070322.	14.9	0