

Wenzhe Li

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

1,853
citations

304743

22
h-index

289244

40
g-index

73
all docs

73
docs citations

73
times ranked

2894
citing authors

#	ARTICLE	IF	CITATIONS
1	Unraveling the roles of CD44/CD24 and ALDH1 as cancer stem cell markers in tumorigenesis and metastasis. <i>Scientific Reports</i> , 2017, 7, 13856.	3.3	317
2	Fluorine Functionalized Graphene Quantum Dots as Inhibitor against hIAPP Amyloid Aggregation. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1368-1377.	3.5	99
3	Peptide-based isolation of circulating tumor cells by magnetic nanoparticles. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4080-4088.	5.8	85
4	Emerging Nanotechnologies for Liquid Biopsy: The Detection of Circulating Tumor Cells and Extracellular Vesicles. <i>Advanced Materials</i> , 2019, 31, e1805344.	21.0	81
5	Chaperon-Mediated Single Molecular Approach Toward Modulating A β Peptide Aggregation. <i>Nano Letters</i> , 2009, 9, 4066-4072.	9.1	80
6	Antibody-Mimetic Peptoid Nanosheet for Label-Free Serum-Based Diagnosis of Alzheimer's Disease. <i>Advanced Materials</i> , 2017, 29, 1700057.	21.0	60
7	Amyloid β (1-42) Folding Multiplicity and Single-Molecule Binding Behavior Studied with STM. <i>Journal of Molecular Biology</i> , 2009, 388, 894-901.	4.2	58
8	Evaluation of serum extracellular vesicles as noninvasive diagnostic markers of glioma. <i>Theranostics</i> , 2019, 9, 5347-5358.	10.0	57
9	Molecular-Level Evidence of the Surface-Induced Transformation of Peptide Structures Revealed by Scanning Tunneling Microscopy. <i>Langmuir</i> , 2009, 25, 8849-8853.	3.5	54
10	Synergistic Inhibitory Effect of Peptide-Organic Coassemblies on Amyloid Aggregation. <i>ACS Nano</i> , 2016, 10, 4143-4153.	14.6	47
11	Peptide-Functionalized Nanomaterials for the Efficient Isolation of HER2-Positive Circulating Tumor Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18423-18428.	8.0	47
12	The effect of graphene oxide on conformation change, aggregation and cytotoxicity of HIV-1 regulatory protein (Vpr). <i>Biomaterials</i> , 2013, 34, 1383-1390.	11.4	46
13	pH-Responsive nanodrug encapsulated by tannic acid complex for controlled drug delivery. <i>RSC Advances</i> , 2017, 7, 2829-2835.	3.6	43
14	Enhanced blood-brain-barrier penetrability and tumor-targeting efficiency by peptide-functionalized poly(amidoamine) dendrimer for the therapy of gliomas. <i>Nanotheranostics</i> , 2019, 3, 311-330.	5.2	39
15	Label-free detection of Alzheimer's disease through the ADP3 peptoid recognizing the serum amyloid-beta42 peptide. <i>Chemical Communications</i> , 2015, 51, 718-721.	4.1	38
16	Improved tumor targeting and penetration by a dual-functional poly(amidoamine) dendrimer for the therapy of triple-negative breast cancer. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3724-3736.	5.8	38
17	A designed peptide targeting CXCR4 displays anti-acute myelocytic leukemia activity in vitro and in vivo. <i>Scientific Reports</i> , 2015, 4, 6610.	3.3	36
18	Improving chemotherapeutic efficiency in acute myeloid leukemia treatments by chemically synthesized peptide interfering with CXCR4/CXCL12 axis. <i>Scientific Reports</i> , 2015, 5, 16228.	3.3	34

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19	Molecular Tethering Effect of C-Terminus of Amyloid Peptide A β 42. ACS Nano, 2014, 8, 9503-9510.	14.6	32
20	Quantitative Nanomechanical Analysis of Small Extracellular Vesicles for Tumor Malignancy Indication. Advanced Science, 2021, 8, e2100825.	11.2	28
21	Peptide-Enabled Targeted Delivery Systems for Therapeutic Applications. Frontiers in Bioengineering and Biotechnology, 2021, 9, 701504.	4.1	27
22	Characterization of β -domains in C-terminal fragments of TDP-43 by scanning tunneling microscopy. Journal of Structural Biology, 2013, 181, 11-16.	2.8	24
23	Diagnosis of Mild Cognitive Impairment and Alzheimer's Disease by the Plasma and Serum Amyloid-beta 42 Assay through Highly Sensitive Peptoid Nanosheet Sensor. ACS Applied Materials & Interfaces, 2020, 12, 9693-9700.	8.0	24
24	Principles of Inter-Amino-Acid Recognition Revealed by Binding Energies between Homogeneous Oligopeptides. ACS Central Science, 2019, 5, 97-108.	11.3	22
25	Ultrasensitive Gastric Cancer Circulating Tumor Cellular <i>CLDN18.2</i> RNA Detection Based on a Molecular Beacon. Analytical Chemistry, 2021, 93, 665-670.	6.5	22
26	Noninvasive Diagnosis and Molecular Phenotyping of Breast Cancer through Microbead-Assisted Flow Cytometry Detection of Tumor-Derived Extracellular Vesicles. Small Methods, 2018, 2, 1800122.	8.6	20
27	Modulation of β -amyloid aggregation by graphene quantum dots. Royal Society Open Science, 2019, 6, 190271.	2.4	20
28	Versatile Biosensing Toolkit Using an Electronic Particle Counter. Analytical Chemistry, 2021, 93, 6178-6187.	6.5	20
29	Self-Assembled Peptide Nanofibrils Designed to Release Membrane-Lysing Antimicrobial Peptides. ACS Applied Bio Materials, 2020, 3, 3648-3655.	4.6	19
30	Diagnosis of Invasive Nonfunctional Pituitary Adenomas by Serum Extracellular Vesicles. Analytical Chemistry, 2019, 91, 9580-9589.	6.5	18
31	Peptide-Polyphenol (KLVFF/EGCG) Binary Modulators for Inhibiting Aggregation and Neurotoxicity of Amyloid- β Peptide. ACS Omega, 2019, 4, 4233-4242.	3.5	18
32	Antiamyloidogenic Activity of A β 42-Binding Peptoid in Modulating Amyloid Oligomerization. Small, 2017, 13, 1602857.	10.0	17
33	Dual effect of PEG-PE micelle over the oligomerization and fibrillation of human islet amyloid polypeptide. Scientific Reports, 2018, 8, 4463.	3.3	17
34	In Situ Observation of Amyloid Nucleation and Fibrillation by FastScan Atomic Force Microscopy. Journal of Physical Chemistry Letters, 2019, 10, 214-222.	4.6	17
35	Efficient isolation and quantification of circulating tumor cells in non-small cell lung cancer patients using peptide-functionalized magnetic nanoparticles. Journal of Thoracic Disease, 2020, 12, 4262-4273.	1.4	17
36	Synthetic CXCR4 Antagonistic Peptide Assembling with Nanoscaled Micelles Combat Acute Myeloid Leukemia. Small, 2020, 16, 2001890.	10.0	15

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37	Single-molecule insights into surface-mediated homochirality in hierarchical peptide assembly. <i>Nature Communications</i> , 2018, 9, 2711.	12.8	14
38	Detection of Parkinson's Disease through the Peptoid Recognizing α -Synuclein in Serum. <i>ACS Chemical Neuroscience</i> , 2019, 10, 1204-1208.	3.5	14
39	Molecular recognition of human islet amyloid polypeptide assembly by selective oligomerization of thioflavin T. <i>Science Advances</i> , 2020, 6, eabc1449.	10.3	14
40	A self-assembled nanopatch with peptide-organic multilayers and mechanical properties. <i>Nanoscale</i> , 2015, 7, 2250-2254.	5.6	13
41	Synthetic Neutralizing Peptides Inhibit the Host Cell Binding of Spike Protein and Block Infection of SARS-CoV-2. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 14887-14894.	6.4	11
42	Nanotechnologies: Emerging Nanotechnologies for Liquid Biopsy: The Detection of Circulating Tumor Cells and Extracellular Vesicles (<i>Adv. Mater.</i> 45/2019). <i>Advanced Materials</i> , 2019, 31, 1970318.	21.0	10
43	Steric Dependence of Chirality Effect in Surface-Mediated Peptide Assemblies Identified with Scanning Tunneling Microscopy. <i>Nano Letters</i> , 2019, 19, 5403-5409.	9.1	9
44	Stabilization Effect of Amino Acid Side Chains in Peptide Assemblies on Graphite Studied by Scanning Tunneling Microscopy. <i>ChemPhysChem</i> , 2017, 18, 926-934.	2.1	8
45	Peptide-enabled receptor-binding-quantum dots for enhanced detection and migration inhibition of cancer cells. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020, 31, 1604-1621.	3.5	8
46	Enhanced lymphatic delivery of nanomicelles encapsulating CXCR4-recognizing peptide and doxorubicin for the treatment of breast cancer. <i>International Journal of Pharmaceutics</i> , 2021, 594, 120183.	5.2	8
47	A novel CD123-targeted therapeutic peptide loaded by micellar delivery system combats refractory acute myeloid leukemia. <i>Journal of Hematology and Oncology</i> , 2021, 14, 193.	17.0	8
48	Aromatic-interaction-mediated inhibition of β -amyloid assembly structures and cytotoxicity. <i>Journal of Peptide Science</i> , 2017, 23, 679-684.	1.4	7
49	Site-specific determination of TTR-related functional peptides by using scanning tunneling microscopy. <i>Nano Research</i> , 2018, 11, 577-585.	10.4	7
50	Nanoparticulates reduce tumor cell migration through affinity interactions with extracellular migrasomes and retraction fibers. <i>Nanoscale Horizons</i> , 2022, 7, 779-789.	8.0	7
51	Dual-affinity peptide mediated inter-protein recognition. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 11342-11346.	2.8	6
52	Peptide conformation and oligomerization characteristics of surface-mediated assemblies revealed by molecular dynamics simulations and scanning tunneling microscopy. <i>RSC Advances</i> , 2019, 9, 41345-41350.	3.6	6
53	Studies on Composition and Sequence Effects in Surface-Mediated Octapeptide Assemblies by Using Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10364-10369.	3.1	5
54	Liquid Biopsy: Noninvasive Diagnosis and Molecular Phenotyping of Breast Cancer through Microbead-Assisted Flow Cytometry Detection of Tumor-Derived Extracellular Vesicles (Small Methods) <i>Tj ETQq</i> 0.0 rgBT/Overlock	0.6	5

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55	Peptide-directed delivery of drug-loaded nanocarriers targeting CD36 overexpressing cells. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125970.	4.7	5
56	Peptoid Nanosheet-Based Sensing System for the Diagnosis and Surveillance of Amnesic Mild Cognitive Impairment and Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2021, 12, 4257-4264.	3.5	5
57	Machine Learning-Assisted Dual-Marker Detection in Serum Small Extracellular Vesicles for the Diagnosis and Prognosis Prediction of Non-Small Cell Lung Cancer. <i>Nanomaterials</i> , 2022, 12, 809.	4.1	5
58	Identifying Terminal Assembly Propensity of Amyloid Peptides by Scanning Tunneling Microscopy. <i>ChemPhysChem</i> , 2019, 20, 103-107.	2.1	4
59	Position-coded multivalent peptide-peptide interactions revealed by tryptophan-scanning mutagenesis. <i>Journal of Peptide Science</i> , 2020, 26, e3273.	1.4	4
60	Peptoids: Anti-amyloidogenic Activity of A β 242-Binding Peptoid in Modulating Amyloid Oligomerization (Small 1/2017). <i>Small</i> , 2017, 13, .	10.0	3
61	Composition-dependent multivalency of peptide-peptide interactions revealed by tryptophan-scanning mutagenesis. <i>Journal of Peptide Science</i> , 2021, 27, e3310.	1.4	3
62	Principles of Amino Acid-Nucleotide Interactions Revealed by Binding Affinities between Homogeneous Oligopeptides and Single-Stranded DNA Molecules. <i>ChemBioChem</i> , 2022, 23, .	2.6	3
63	Peptide-binding induced inhibition of chemokine CXCL12. <i>RSC Advances</i> , 2017, 7, 21298-21307.	3.6	2
64	Novel peptide-directed liposomes for targeted combination therapy of breast tumors. <i>Materials Advances</i> , 2020, 1, 3483-3495.	5.4	2
65	Perturbation effect of single polar group substitution on the Self-Association of amphiphilic peptide helices. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 1005-1014.	9.4	2
66	Heterochirality-Mediated Cross-Strand Nested Hydrophobic Interaction Effects Manifested in Surface-Bound Peptide Assembly Structures. <i>Journal of Physical Chemistry B</i> , 2022, 126, 723-733.	2.6	2
67	Allosteric Modulation of Human Serum Albumin Induced by Peptide Ligand. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1270-1277.	4.9	1
68	Inside Back Cover: Allosteric Modulation of Human Serum Albumin Induced by Peptide Ligand (Chin. J.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i>	4.9	0
69	Probing Molecular Basis for Constructing Interface Bionanostructures. <i>Topics in Catalysis</i> , 2018, 61, 1125-1138.	2.8	0
70	Molecular Studies of Peptide Assemblies and Related Applications in Tumor Therapy and Diagnosis. , 2020, , 255-286.		0