Wenzhe Li

List of Publications by Year
in descending order

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Version: 2024-02-01

		304743	289244
70	1,853	22	40
papers	citations	h-index	g-index

73	73	73	2894
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Perturbation effect of single polar group substitution on the Self-Association of amphiphilic peptide helices. Journal of Colloid and Interface Science, 2022, 610, 1005-1014.	9.4	2
2	Heterochirality-Mediated Cross-Strand Nested Hydrophobic Interaction Effects Manifested in Surface-Bound Peptide Assembly Structures. Journal of Physical Chemistry B, 2022, 126, 723-733.	2.6	2
3	Machine Learning-Assisted Dual-Marker Detection in Serum Small Extracellular Vesicles for the Diagnosis and Prognosis Prediction of Non-Small Cell Lung Cancer. Nanomaterials, 2022, 12, 809.	4.1	5
4	Principles of Aminoâ€Acidâ€Nucleotide Interactions Revealed by Binding Affinities between Homogeneous Oligopeptides and Singleâ€Stranded DNA Molecules. ChemBioChem, 2022, 23, .	2.6	3
5	Nanoparticulates reduce tumor cell migration through affinity interactions with extracellular migrasomes and retraction fibers. Nanoscale Horizons, 2022, 7, 779-789.	8.0	7
6	Peptide-directed delivery of drug-loaded nanocarriers targeting CD36 overexpressing cells. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125970.	4.7	5
7	Ultrasensitive Gastric Cancer Circulating Tumor Cellular CLDN18.2 RNA Detection Based on a Molecular Beacon. Analytical Chemistry, 2021, 93, 665-670.	6.5	22
8	Enhanced lymphatic delivery of nanomicelles encapsulating CXCR4-recognizing peptide and doxorubicin for the treatment of breast cancer. International Journal of Pharmaceutics, 2021, 594, 120183.	5.2	8
9	Compositionâ€dependent multivalency of peptideâ€“peptide interactions revealed by tryptophanâ€scanning mutagenesis. Journal of Peptide Science, 2021, 27, e3310.	1.4	3
10	Versatile Biosensing Toolkit Using an Electronic Particle Counter. Analytical Chemistry, 2021, 93, 6178-6187.	6.5	20
11	Peptide-Enabled Targeted Delivery Systems for Therapeutic Applications. Frontiers in Bioengineering and Biotechnology, 2021, 9, 701504.	4.1	27
12	Quantitative Nanomechanical Analysis of Small Extracellular Vesicles for Tumor Malignancy Indication. Advanced Science, 2021, 8, e2100825.	11.2	28
13	Synthetic Neutralizing Peptides Inhibit the Host Cell Binding of Spike Protein and Block Infection of SARS-CoV-2. Journal of Medicinal Chemistry, 2021, 64, 14887-14894.	6.4	11
14	Peptoid Nanosheet-Based Sensing System for the Diagnosis and Surveillance of Amnestic Mild Cognitive Impairment and Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2021, 12, 4257-4264.	3.5	5
15	A novel CD123-targeted therapeutic peptide loaded by micellar delivery system combats refractory acute myeloid leukemia. Journal of Hematology and Oncology, 2021, 14, 193.	17.0	8
16	Molecular recognition of human islet amyloid polypeptide assembly by selective oligomerization of thioflavin T. Science Advances, 2020, 6, eabc1449.	10.3	14
17	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
18	Novel peptide-directed liposomes for targeted combination therapy of breast tumors. Materials Advances, 2020, 1, 3483-3495.	5.4	2

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19	Peptide-enabled receptor-binding-quantum dots for enhanced detection and migration inhibition of cancer cells. Journal of Biomaterials Science, Polymer Edition, 2020, 31, 1604-1621.	3.5	8
20	Self-Assembled Peptide Nanofibrils Designed to Release Membrane-Lysing Antimicrobial Peptides. ACS Applied Bio Materials, 2020, 3, 3648-3655.	4.6	19
21	Positionâ€coded multivalent peptideâ€“peptide interactions revealed by tryptophanâ€scanning mutagenesis. Journal of Peptide Science, 2020, 26, e3273.	1.4	4
22	Synthetic CXCR4 Antagonistic Peptide Assembling with Nanoscaled Micelles Combat Acute Myeloid Leukemia. Small, 2020, 16, 2001890.	10.0	15
23	Diagnosis of Mild Cognitive Impairment and Alzheimerâ€™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	Molecular Studies of Peptide Assemblies and Related Applications in Tumor Therapy and Diagnosis. , 2020, , 255-286.		0
25	Modulation of Î²-amyloid aggregation by graphene quantum dots. Royal Society Open Science, 2019, 6, 190271.	2.4	20
26	Evaluation of serum extracellular vesicles as noninvasive diagnostic markers of glioma. Theranostics, 2019, 9, 5347-5358.	10.0	57
27	Diagnosis of Invasive Nonfunctional Pituitary Adenomas by Serum Extracellular Vesicles. Analytical Chemistry, 2019, 91, 9580-9589.	6.5	18
28	Steric Dependence of Chirality Effect in Surface-Mediated Peptide Assemblies Identified with Scanning Tunneling Microscopy. Nano Letters, 2019, 19, 5403-5409.	9.1	9
29	Identifying Terminal Assembly Propensity of Amyloidal Peptides by Scanning Tunneling Microscopy. ChemPhysChem, 2019, 20, 103-107.	2.1	4
30	Enhanced blood-brain-barrier penetrability and tumor-targeting efficiency by peptide-functionalized poly(amidoamine) dendrimer for the therapy of gliomas. Nanotheranostics, 2019, 3, 311-330.	5.2	39
31	Nanotechnologies: Emerging Nanotechnologies for Liquid Biopsy: The Detection of Circulating Tumor Cells and Extracellular Vesicles (Adv. Mater. 45/2019). Advanced Materials, 2019, 31, 1970318.	21.0	10
32	Detection of Parkinsonâ€™s Disease through the Peptoid Recognizing Î±-Synuclein in Serum. ACS Chemical Neuroscience, 2019, 10, 1204-1208.	3.5	14
33	Improved tumor targeting and penetration by a dual-functional poly(amidoamine) dendrimer for the therapy of triple-negative breast cancer. Journal of Materials Chemistry B, 2019, 7, 3724-3736.	5.8	38
34	Peptideâ€“Polyphenol (KLVFF/EGCG) Binary Modulators for Inhibiting Aggregation and Neurotoxicity of Amyloid-Î² Peptide. ACS Omega, 2019, 4, 4233-4242.	3.5	18
35	Peptide conformation and oligomerization characteristics of surface-mediated assemblies revealed by molecular dynamics simulations and scanning tunneling microscopy. RSC Advances, 2019, 9, 41345-41350.	3.6	6
36	Emerging Nanotechnologies for Liquid Biopsy: The Detection of Circulating Tumor Cells and Extracellular Vesicles. Advanced Materials, 2019, 31, e1805344.	21.0	81

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37	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
38	Principles of Inter-Amino-Acid Recognition Revealed by Binding Energies between Homogeneous Oligopeptides. ACS Central Science, 2019, 5, 97-108.	11.3	22
39	Probing Molecular Basis for Constructing Interface Bionanostructures. Topics in Catalysis, 2018, 61, 1125-1138.	2.8	0
40	Dual effect of PEG-PE micelle over the oligomerization and fibrillation of human islet amyloid polypeptide. Scientific Reports, 2018, 8, 4463.	3.3	17
41	Site-specific determination of TTR-related functional peptides by using scanning tunneling microscopy. Nano Research, 2018, 11, 577-585.	10.4	7
42	Liquid Biospy: Noninvasive Diagnosis and Molecular Phenotyping of Breast Cancer through Microbeadâ€Assisted Flow Cytometry Detection of Tumorâ€Derived Extracellular Vesicles (Small Methods) Tj ETQq1 1 0 rgBT /Overlock	8.6	0
43	Noninvasive Diagnosis and Molecular Phenotyping of Breast Cancer through Microbeadâ€Assisted Flow Cytometry Detection of Tumorâ€Derived Extracellular Vesicles. Small Methods, 2018, 2, 1800122.	8.6	20
44	Single-molecule insights into surface-mediated homochirality in hierarchical peptide assembly. Nature Communications, 2018, 9, 2711.	12.8	14
45	pH-Responsive nanodrug encapsulated by tannic acid complex for controlled drug delivery. RSC Advances, 2017, 7, 2829-2835.	3.6	43
46	Peptoids: Antiamyloidogenic Activity of AÎ²42-Binding Peptoid in Modulating Amyloid Oligomerization (Small 1/2017). Small, 2017, 13, .	10.0	3
47	Stabilization Effect of Amino Acid Side Chains in Peptide Assemblies on Graphite Studied by Scanning Tunneling Microscopy. ChemPhysChem, 2017, 18, 926-934.	2.1	8
48	Fluorine Functionalized Graphene Quantum Dots as Inhibitor against hIAPP Amyloid Aggregation. ACS Chemical Neuroscience, 2017, 8, 1368-1377.	3.5	99
49	Studies on Composition and Sequence Effects in Surface-Mediated Octapeptide Assemblies by Using Scanning Tunneling Microscopy. Journal of Physical Chemistry C, 2017, 121, 10364-10369.	3.1	5
50	Peptide-binding induced inhibition of chemokine CXCL12. RSC Advances, 2017, 7, 21298-21307.	3.6	2
51	Peptide-Functionalized Nanomaterials for the Efficient Isolation of HER2-Positive Circulating Tumor Cells. ACS Applied Materials & Interfaces, 2017, 9, 18423-18428.	8.0	47
52	Aromatic-interaction-mediated inhibition of Î²-amyloid assembly structures and cytotoxicity. Journal of Peptide Science, 2017, 23, 679-684.	1.4	7
53	Antibodyâ€Mimetic Peptoid Nanosheet for Labelâ€Free Serumâ€Based Diagnosis of Alzheimer's Disease. Advanced Materials, 2017, 29, 1700057.	21.0	60
54	Unraveling the roles of CD44/CD24 and ALDH1 as cancer stem cell markers in tumorigenesis and metastasis. Scientific Reports, 2017, 7, 13856.	3.3	317

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55	Allosteric Modulation of Human Serum Albumin Induced by Peptide Ligand. Chinese Journal of Chemistry, 2017, 35, 1270-1277.	4.9	1
56	Antiamyloidogenic Activity of AÎ²42-Binding Peptoid in Modulating Amyloid Oligomerization. Small, 2017, 13, 1602857.	10.0	17
57	Inside Back Cover: Allosteric Modulation of Human Serum Albumin Induced by Peptide Ligand (Chin. J.) Tj ETQq1 1 0.784314 rgBT /Over	4.9	0
58	Dual-affinity peptide mediated inter-protein recognition. Organic and Biomolecular Chemistry, 2016, 14, 11342-11346.	2.8	6
59	Synergistic Inhibitory Effect of Peptideâ€“Organic Coassemblies on Amyloid Aggregation. ACS Nano, 2016, 10, 4143-4153.	14.6	47
60	Improving chemotherapeutic efficiency in acute myeloid leukemia treatments by chemically synthesized peptide interfering with CXCR4/CXCL12 axis. Scientific Reports, 2015, 5, 16228.	3.3	34
61	A designed peptide targeting CXCR4 displays anti-acute myelocytic leukemia activity in vitro and in vivo. Scientific Reports, 2015, 4, 6610.	3.3	36
62	A self-assembled nanopatch with peptideâ€“organic multilayers and mechanical properties. Nanoscale, 2015, 7, 2250-2254.	5.6	13
63	Label-free detection of Alzheimerâ€™s disease through the ADP3 peptoid recognizing the serum amyloid-beta42 peptide. Chemical Communications, 2015, 51, 718-721.	4.1	38
64	Molecular Tethering Effect of C-Terminus of Amyloid Peptide AÎ²42. ACS Nano, 2014, 8, 9503-9510.	14.6	32
65	Peptide-based isolation of circulating tumor cells by magnetic nanoparticles. Journal of Materials Chemistry B, 2014, 2, 4080-4088.	5.8	85
66	Characterization of Î²-domains in C-terminal fragments of TDP-43 by scanning tunneling microscopy. Journal of Structural Biology, 2013, 181, 11-16.	2.8	24
67	The effect of graphene oxide on conformation change, aggregation and cytotoxicity of HIV-1 regulatory protein (Vpr). Biomaterials, 2013, 34, 1383-1390.	11.4	46
68	Molecular-Level Evidence of the Surface-Induced Transformation of Peptide Structures Revealed by Scanning Tunneling Microscopy. Langmuir, 2009, 25, 8849-8853.	3.5	54
69	Amyloid Î² (1â€“42) Folding Multiplicity and Single-Molecule Binding Behavior Studied with STM. Journal of Molecular Biology, 2009, 388, 894-901.	4.2	58
70	Chaperon-Mediated Single Molecular Approach Toward Modulating AÎ² Peptide Aggregation. Nano Letters, 2009, 9, 4066-4072.	9.1	80