Weizhi Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5894062/publications.pdf

Version: 2024-02-01

48 papers	2,314 citations	279487 23 h-index	214527 47 g-index
49 all docs	49 docs citations	49 times ranked	3444 citing authors

#	Article	IF	Citations
1	Peptide-Derived Biosensors and Their Applications in Tumor Immunology-Related Detection. Analytical Chemistry, 2022, 94, 431-441.	3.2	27
2	Advances in aptamers against AÎ² and applications in AÎ² detection and regulation for Alzheimer's disease. Theranostics, 2022, 12, 2095-2114.	4.6	18
3	Development of a Stable Peptide-Based PET Tracer for Detecting CD133-Expressing Cancer Cells. ACS Omega, 2022, 7, 334-341.	1.6	6
4	A novel PD-L1 targeting peptide self-assembled nanofibers for sensitive tumor imaging and photothermal immunotherapy in vivo. Nano Research, 2022, 15, 7286-7294.	5.8	11
5	Screened Î±-Helix Peptide Inhibitor toward SARS-CoV-2 by Blocking a Prion-like Domain in the Receptor Binding Domain. Analytical Chemistry, 2022, 94, 11464-11469.	3.2	1
6	Living-System-Driven Evolution of Self-Assembled-Peptide Probes: For Boosting Glioma Theranostics. Analytical Chemistry, 2021, 93, 8035-8044.	3.2	8
7	Multi-stage responsive peptide nanosensor: Anchoring EMT and mitochondria with enhanced fluorescence and boosting tumor apoptosis. Biosensors and Bioelectronics, 2021, 184, 113235.	5.3	10
8	Deep learning for in vivo near-infrared imaging. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	53
9	Peptide-Based Nanomaterials for Tumor Immunotherapy. Molecules, 2021, 26, 132.	1.7	12
10	Harnessing the PD-L1 interface peptide for positron emission tomography imaging of the PD-1 immune checkpoint. RSC Chemical Biology, 2020, 1, 214-224.	2.0	11
11	Synergetic Tumor Probes for Facilitating Therapeutic Delivery by Combined-Functionalized Peptide Ligands. Analytical Chemistry, 2020, 92, 5650-5655.	3.2	13
12	Tumor Microenvironment-Responsive Theranostic Nanoplatform for in Situ Self-Boosting Combined Phototherapy through Intracellular Reassembly. ACS Applied Materials & Interfaces, 2020, 12, 6966-6977.	4.0	17
13	Progress of new strategies on screening of targeting peptides and applications in tumor immunotherapy. Scientia Sinica Chimica, 2020, 50, 1132-1141.	0.2	1
14	Synergetic estrogen receptor-targeting liposome nanocarriers with anti-phagocytic properties for enhanced tumor theranostics. Journal of Materials Chemistry B, 2019, 7, 1056-1063.	2.9	25
15	MMP-2-Controlled Transforming Micelles for Heterogeneic Targeting and Programmable Cancer Therapy. Theranostics, 2019, 9, 1728-1740.	4.6	37
16	Boosting the Theranostic Effect of Liposomal Probes toward Prominin-1 through Optimized Dual-Site Targeting. Analytical Chemistry, 2019, 91, 7245-7253.	3.2	11
17	In vivo molecular imaging for immunotherapy using ultra-bright near-infrared-IIb rare-earth nanoparticles. Nature Biotechnology, 2019, 37, 1322-1331.	9.4	398
18	Targeting Peptideâ€Based Probes for Molecular Imaging and Diagnosis. Advanced Materials, 2019, 31, e1804827.	11.1	68

#	Article	IF	Citations
19	Tumor-microenvironment controlled nanomicelles with AIE property for boosting cancer therapy and apoptosis monitoring. Biomaterials, 2019, 188, 96-106.	5.7	48
20	A theranostic agent for cancer therapy and imaging in the second near-infrared window. Nano Research, 2019, 12, 273-279.	5.8	86
21	Molecular Cancer Imaging in the Second Nearâ€Infrared Window Using a Renalâ€Excreted NIRâ€II Fluorophoreâ€Peptide Probe. Advanced Materials, 2018, 30, e1800106.	11.1	115
22	pH-Triggered Peptide Self-Assembly for Targeting Imaging and Therapy toward Angiogenesis with Enhanced Signals. ACS Applied Materials & Interfaces, 2018, 10, 7871-7881.	4.0	33
23	Developing a Bright NIRâ€II Fluorophore with Fast Renal Excretion and Its Application in Molecular Imaging of Immune Checkpoint PDâ€L1. Advanced Functional Materials, 2018, 28, 1804956.	7.8	85
24	Targeting peptide functionalized liposomes towards aminopeptidase N for precise tumor diagnosis and therapy. Biomaterials Science, 2017, 5, 417-421.	2.6	12
25	Boosting the down-shifting luminescence of rare-earth nanocrystals for biological imaging beyond 1500â€‰nm. Nature Communications, 2017, 8, 737.	5.8	416
26	HER2 Targeting Peptides Screening and Applications in Tumor Imaging and Drug Delivery. Theranostics, 2016, 6, 1261-1273.	4.6	45
27	Switchable Liposomes: Targeting-Peptide-Functionalized and pH-Triggered Cytoplasmic Delivery. ACS Applied Materials & Interfaces, 2016, 8, 18658-18663.	4.0	37
28	Peptide functionalized targeting liposomes: for nanoscale drug delivery towards angiogenesis. Journal of Materials Chemistry B, 2016, 4, 7087-7091.	2.9	12
29	Switchable probes: pH-triggered and VEGFR2 targeted peptides screening through imprinting microarray. Chemical Communications, 2016, 52, 5690-5693.	2.2	18
30	Micromixer Based Preparation of Functionalized Liposomes and Targeting Drug Delivery. ACS Medicinal Chemistry Letters, 2016, 7, 429-434.	1.3	17
31	High-Throughput Peptide Screening on a Bimodal Imprinting Chip Through MS-SPRi Integration. Methods in Molecular Biology, 2016, 1352, 111-125.	0.4	2
32	Discovering of Tumorâ€targeting Peptides using Biâ€functional Microarray. Advanced Healthcare Materials, 2015, 4, 2802-2808.	3.9	14
33	Structure-based Design of Peptides with High Affinity and Specificity to HER2 Positive Tumors. Theranostics, 2015, 5, 1154-1165.	4.6	34
34	Tumor Diagnosis: Discovering of Tumor-targeting Peptides using Bi-functional Microarray (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	3.9	4
35	Microarray Based Screening of Peptide Nano Probes for HER2 Positive Tumor. Analytical Chemistry, 2015, 87, 8367-8372.	3.2	45
36	Distinguishing of tumor cell-targeting peptide ligands through a color-encoding microarray. Lab on A Chip, 2015, 15, 4512-4516.	3.1	6

#	Article	IF	Citations
37	Label-free detection microarray for novel peptide ligands screening base on MSâ€“SPRi combination. Talanta, 2015, 134, 705-711.	2.9	13
38	Quantitative Liver-Specific Protein Fingerprint in Blood: A Signature for Hepatotoxicity. Theranostics, 2014, 4, 215-228.	4.6	47
39	A continuous flow microfluidic-MS system for efficient OBOC screening. RSC Advances, 2014, 4, 61767-61770.	1.7	4
40	Rapid Screening of Peptide Probes through In Situ Single-Bead Sequencing Microarray. Analytical Chemistry, 2014, 86, 11854-11859.	3.2	40
41	Label-Free Quantitative Detection of Tumor-Derived Exosomes through Surface Plasmon Resonance Imaging. Analytical Chemistry, 2014, 86, 8857-8864.	3.2	211
42	Bimodal Imprint Chips for Peptide Screening: Integration of High-Throughput Sequencing by MS and Affinity Analyses by Surface Plasmon Resonance Imaging. Analytical Chemistry, 2014, 86, 3703-3707.	3.2	27
43	An automated Teflon microfluidic peptide synthesizer. Lab on A Chip, 2013, 13, 3347.	3.1	24
44	A tetra-layer microfluidic system for peptide affinity screening through integrated sample injection. Analyst, The, 2013, 138, 2890.	1.7	10
45	Superparamagnetic surface molecularly imprinted nanoparticles for water-soluble pefloxacin mesylate prepared via surface initiated atom transfer radical polymerization and its application in egg sample analysis. Journal of Chromatography A, 2012, 1246, 15-21.	1.8	52
46	Dynamic interaction between melamine and cyanuric acid in artificial urine investigated by quartz crystal microbalance. Analyst, The, 2011, 136, 2482.	1.7	8
47	Integrated SPPS on continuous-flow radial microfluidic chip. Lab on A Chip, 2011, 11, 929.	3.1	31
48	A novel polychloromethylstyrene coated superparamagnetic surface molecularly imprinted coreâ€“shell nanoparticle for bisphenol A. Journal of Materials Chemistry, 2011, 21, 9232.	6.7	90