

Sangyong Jon

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

167
papers

13,538
citations

53
h-index

115
g-index

174
ext. papers

14,836
ext. citations

9.3
avg, IF

6.46
L-index

#	Paper	IF	Citations
167	Targeted nanoparticle-aptamer bioconjugates for cancer chemotherapy in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 6315-20	11.5	1448
166	Quantum dot-aptamer conjugates for synchronous cancer imaging, therapy, and sensing of drug delivery based on bi-fluorescence resonance energy transfer. <i>Nano Letters</i> , 2007 , 7, 3065-70	11.5	830
165	Nanoparticle-aptamer bioconjugates: a new approach for targeting prostate cancer cells. <i>Cancer Research</i> , 2004 , 64, 7668-72	10.1	788
164	Antibiofouling polymer-coated gold nanoparticles as a contrast agent for in vivo X-ray computed tomography imaging. <i>Journal of the American Chemical Society</i> , 2007 , 129, 7661-5	16.4	732
163	Targeting strategies for multifunctional nanoparticles in cancer imaging and therapy. <i>Theranostics</i> , 2012 , 2, 3-44	12.1	629
162	A drug-loaded aptamer-gold nanoparticle bioconjugate for combined CT imaging and therapy of prostate cancer. <i>ACS Nano</i> , 2010 , 4, 3689-96	16.7	569
161	Antibiofouling polymer-coated superparamagnetic iron oxide nanoparticles as potential magnetic resonance contrast agents for in vivo cancer imaging. <i>Journal of the American Chemical Society</i> , 2006 , 128, 7383-9	16.4	536
160	Drug-loaded superparamagnetic iron oxide nanoparticles for combined cancer imaging and therapy in vivo. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 5362-5	16.4	517
159	An aptamer-doxorubicin physical conjugate as a novel targeted drug-delivery platform. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 8149-52	16.4	485
158	Thermally cross-linked superparamagnetic iron oxide nanoparticles: synthesis and application as a dual imaging probe for cancer in vivo. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12739-45	16.4	290
157	Bioengineered bacterial outer membrane vesicles as cell-specific drug-delivery vehicles for cancer therapy. <i>ACS Nano</i> , 2014 , 8, 1525-37	16.7	258
156	Preparation and characterization of water-soluble albumin-bound curcumin nanoparticles with improved antitumor activity. <i>International Journal of Pharmaceutics</i> , 2011 , 403, 285-91	6.5	218
155	Molded polyethylene glycol microstructures for capturing cells within microfluidic channels. <i>Lab on A Chip</i> , 2004 , 4, 425-30	7.2	180
154	Image-guided prostate cancer therapy using aptamer-functionalized thermally cross-linked superparamagnetic iron oxide nanoparticles. <i>Small</i> , 2011 , 7, 2241-9	11	178
153	An electrochemically reduced graphene oxide-based electrochemical immunosensing platform for ultrasensitive antigen detection. <i>Analytical Chemistry</i> , 2012 , 84, 1871-8	7.8	159
152	Hyaluronic acid-bilirubin nanomedicine for targeted modulation of dysregulated intestinal barrier, microbiome and immune responses in colitis. <i>Nature Materials</i> , 2020 , 19, 118-126	27	151
151	Artificial ion channel formed by cucurbit[n]uril derivatives with a carbonyl group fringed portal reminiscent of the selectivity filter of K ⁺ channels. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15944-5	16.4	150

150	Imageable antigen-presenting gold nanoparticle vaccines for effective cancer immunotherapy in vivo. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 8800-5	16.4	145
149	Microfluidic system for studying the interaction of nanoparticles and microparticles with cells. <i>Analytical Chemistry</i> , 2005 , 77, 5453-9	7.8	145
148	Hybrid superparamagnetic iron oxide nanoparticle-branched polyethylenimine magnetoplexes for gene transfection of vascular endothelial cells. <i>Biomaterials</i> , 2010 , 31, 4204-13	15.6	134
147	A soft lithographic approach to fabricate patterned microfluidic channels. <i>Analytical Chemistry</i> , 2004 , 76, 3675-81	7.8	133
146	Conjugated chitosan as a novel platform for oral delivery of paclitaxel. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 6442-9	8.3	128
145	In vivo antitumor effects of chitosan-conjugated docetaxel after oral administration. <i>Journal of Controlled Release</i> , 2009 , 140, 79-85	11.7	121
144	Parallel microfluidic synthesis of size-tunable polymeric nanoparticles using 3D flow focusing towards in vivo study. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 401-9	6	117
143	Bilirubin Nanoparticles as a Nanomedicine for Anti-inflammation Therapy. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7460-3	16.4	115
142	Magnetically responsive polymeric microparticles for oral delivery of protein drugs. <i>Pharmaceutical Research</i> , 2006 , 23, 557-64	4.5	113
141	Enhanced Doubly Activated Dual Emission Fluorescent Probes for Selective Imaging of Glutathione or Cysteine in Living Systems. <i>Analytical Chemistry</i> , 2018 , 90, 2648-2654	7.8	111
140	Carbon nanosyringe array as a platform for intracellular delivery. <i>Nano Letters</i> , 2009 , 9, 1325-9	11.5	110
139	Construction of Nonbiofouling Surfaces by Polymeric Self-Assembled Monolayers. <i>Langmuir</i> , 2003 , 19, 9989-9993	4	110
138	Amphiphilic polymer-coated hybrid nanoparticles as CT/MRI dual contrast agents. <i>Nanotechnology</i> , 2011 , 22, 155101	3.4	108
137	Exceptional time response, stability and selectivity in doubly-activated phenyl selenium-based glutathione-selective platform. <i>Chemical Science</i> , 2015 , 6, 5435-5439	9.4	107
136	Dual-aptamer-based delivery vehicle of doxorubicin to both PSMA (+) and PSMA (-) prostate cancers. <i>Biomaterials</i> , 2011 , 32, 2124-32	15.6	106
135	Targeted chemoimmunotherapy using drug-loaded aptamer-dendrimer bioconjugates. <i>Journal of Controlled Release</i> , 2011 , 155, 435-41	11.7	99
134	Bioinspired colorimetric detection of calcium(II) ions in serum using calsequestrin-functionalized gold nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4138-41	16.4	94
133	Vascular RhoJ is an effective and selective target for tumor angiogenesis and vascular disruption. <i>Cancer Cell</i> , 2014 , 25, 102-17	24.3	90

132	Effects of gold nanoparticle-based vaccine size on lymph node delivery and cytotoxic T-lymphocyte responses. <i>Journal of Controlled Release</i> , 2017 , 256, 56-67	11.7	82
131	Antibiofouling amphiphilic polymer-coated superparamagnetic iron oxide nanoparticles: synthesis, characterization, and use in cancer imaging in vivo. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6412		79
130	Bilirubin nanoparticle preconditioning protects against hepatic ischemia-reperfusion injury. <i>Biomaterials</i> , 2017 , 133, 1-10	15.6	74
129	pH-sensitive polymer nanospheres for use as a potential drug delivery vehicle. <i>Biomacromolecules</i> , 2007 , 8, 3401-7	6.9	72
128	Magnetic nanoparticle-based theranostics. <i>Theranostics</i> , 2012 , 2, 122-4	12.1	71
127	Bilirubin nanoparticles ameliorate allergic lung inflammation in a mouse model of asthma. <i>Biomaterials</i> , 2017 , 140, 37-44	15.6	67
126	Gold nanoparticles displaying tumor-associated self-antigens as a potential vaccine for cancer immunotherapy. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1194-9	10.1	67
125	Multistimuli-Responsive Bilirubin Nanoparticles for Anticancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10676-80	16.4	67
124	Facile preparation of a hybrid nanoprobe for triple-modality optical/PET/MR imaging. <i>Small</i> , 2010 , 6, 2863-8	11	66
123	Protease-activatable cell-penetrating peptide possessing ROS-triggered phase transition for enhanced cancer therapy. <i>Journal of Controlled Release</i> , 2017 , 264, 89-101	11.7	65
122	Enhanced Fluorescence Turn-on Imaging of Hypochlorous Acid in Living Immune and Cancer Cells. <i>Chemistry - A European Journal</i> , 2016 , 22, 9642-8	4.8	62
121	Supramolecular nanoencapsulation as a tool: solubilization of the anticancer drug trans-dichloro(dipyridine)platinum(II) by complexation with beta-cyclodextrin. <i>Molecular Pharmaceutics</i> , 2008 , 5, 358-63	5.6	61
120	Bio-inspired design and potential biomedical applications of a novel class of high-affinity peptides. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1890-4	16.4	60
119	Black Pigment Gallstone Inspired Platinum-Chelated Bilirubin Nanoparticles for Combined Photoacoustic Imaging and Photothermal Therapy of Cancers. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13684-13688	16.4	60
118	PEGylated bilirubin nanoparticle as an anti-oxidative and anti-inflammatory demulcent in pancreatic islet xenotransplantation. <i>Biomaterials</i> , 2017 , 133, 242-252	15.6	59
117	Control over wettability of polyethylene glycol surfaces using capillary lithography. <i>Langmuir</i> , 2005 , 21, 6836-41	4	59
116	Nanoparticles Derived from the Natural Antioxidant Rosmarinic Acid Ameliorate Acute Inflammatory Bowel Disease. <i>ACS Nano</i> , 2020 , 14, 6887-6896	16.7	56
115	Dual functional, polymeric self-assembled monolayers as a facile platform for construction of patterns of biomolecules. <i>Langmuir</i> , 2007 , 23, 10902-5	4	55

114	Ultrasensitive Electrochemical Detection of miRNA-21 Using a Zinc Finger Protein Specific to DNA-RNA Hybrids. <i>Analytical Chemistry</i> , 2017 , 89, 2024-2031	7.8	53
113	A novel approach to oral delivery of insulin by conjugating with low molecular weight chitosan. <i>Bioconjugate Chemistry</i> , 2010 , 21, 1720-3	6.3	52
112	Protein patterning based on electrochemical activation of bioinactive surfaces with hydroquinone-caged biotin. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15368-9	16.4	52
111	Bioreducible branched poly(modified nona-arginine) cell-penetrating peptide as a novel gene delivery platform. <i>Journal of Controlled Release</i> , 2017 , 246, 142-154	11.7	50
110	Gold nanoparticles in image-guided cancer therapy. <i>Inorganica Chimica Acta</i> , 2012 , 393, 154-164	2.7	50
109	Prevention of Bacterial Colonization on Catheters by a One-Step Coating Process Involving an Antibiofouling Polymer in Water. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 19736-19745	9.5	49
108	Photo-decomposable Organic Nanoparticles for Combined Tumor Optical Imaging and Multiple Phototherapies. <i>Theranostics</i> , 2016 , 6, 2367-2379	12.1	48
107	Effect of PEG pairing on the efficiency of cancer-targeting liposomes. <i>Theranostics</i> , 2015 , 5, 746-54	12.1	47
106	Integrin-targeting thermally cross-linked superparamagnetic iron oxide nanoparticles for combined cancer imaging and drug delivery. <i>Nanotechnology</i> , 2010 , 21, 415102	3.4	47
105	Comparison of Two Ultrasmall Superparamagnetic Iron Oxides on Cytotoxicity and MR Imaging of Tumors. <i>Theranostics</i> , 2012 , 2, 76-85	12.1	47
104	Targeted Nanotherapeutics Encapsulating Liver X Receptor Agonist GW3965 Enhance Antiatherogenic Effects without Adverse Effects on Hepatic Lipid Metabolism in Ldlr Mice. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700313	10.1	46
103	A combined chemoimmunotherapy approach using a plasmid-doxorubicin complex. <i>Molecular Pharmaceutics</i> , 2009 , 6, 1019-28	5.6	46
102	Aptide-conjugated liposome targeting tumor-associated fibronectin for glioma therapy. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 4723-4726	7.3	44
101	Pulmonary toxicity and kinetic study of Cy5.5-conjugated superparamagnetic iron oxide nanoparticles by optical imaging. <i>Toxicology and Applied Pharmacology</i> , 2009 , 239, 106-15	4.6	44
100	Biotinylated Bilirubin Nanoparticles as a Tumor Microenvironment-Responsive Drug Delivery System for Targeted Cancer Therapy. <i>Advanced Science</i> , 2018 , 5, 1800017	13.6	42
99	Oral delivery of an anti-diabetic peptide drug via conjugation and complexation with low molecular weight chitosan. <i>Journal of Controlled Release</i> , 2013 , 170, 226-32	11.7	42
98	Water-repellent coating: formation of polymeric self-assembled monolayers on nanostructured surfaces. <i>Nanotechnology</i> , 2007 , 18, 395602	3.4	40
97	Fibronectin extra domain B-specific aptide conjugated nanoparticles for targeted cancer imaging. <i>Journal of Controlled Release</i> , 2012 , 163, 111-8	11.7	39

96	Hyper-cell-permeable micelles as a drug delivery carrier for effective cancer therapy. <i>Biomaterials</i> , 2017 , 123, 118-126	15.6	36
95	Synthesis and therapeutic evaluation of an aptide-docetaxel conjugate targeting tumor-associated fibronectin. <i>Journal of Controlled Release</i> , 2014 , 178, 118-24	11.7	36
94	A specific STAT3-binding peptide exerts antiproliferative effects and antitumor activity by inhibiting STAT3 phosphorylation and signaling. <i>Cancer Research</i> , 2014 , 74, 2144-51	10.1	36
93	Rational design of amphiphilic polymers to make carbon nanotubes water-dispersible, anti-biofouling, and functionalizable. <i>Chemical Communications</i> , 2008 , 2876-8	5.8	36
92	Facile immobilization of biomolecules onto various surfaces using epoxide-containing antibiofouling polymers. <i>Langmuir</i> , 2012 , 28, 4507-14	4	34
91	Bilirubin Nanoparticle-Assisted Delivery of a Small Molecule-Drug Conjugate for Targeted Cancer Therapy. <i>Biomacromolecules</i> , 2018 , 19, 2270-2277	6.9	33
90	A solvent-free thermosponge nanoparticle platform for efficient delivery of labile proteins. <i>Nano Letters</i> , 2014 , 14, 6449-55	11.5	32
89	A drug-delivery strategy for overcoming drug resistance in breast cancer through targeting of oncofetal fibronectin. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 713-722	6	31
88	Direct confinement of individual viruses within polyethylene glycol (PEG) nanowells. <i>Nano Letters</i> , 2006 , 6, 1196-201	11.5	31
87	Comparison of the nonspecific binding of DNA-conjugated gold nanoparticles between polymeric and monomeric self-assembled monolayers. <i>Langmuir</i> , 2009 , 25, 235-41	4	30
86	Facile method for selective immobilization of biomolecules on plastic surfaces. <i>Langmuir</i> , 2009 , 25, 11289-94	4	30
85	A duplex oligodeoxynucleotide-dendrimer bioconjugate as a novel delivery vehicle for doxorubicin in in vivo cancer therapy. <i>Journal of Controlled Release</i> , 2011 , 155, 88-95	11.7	29
84	Toward immunoassay chips: Facile immobilization of antibodies on cyclic olefin copolymer substrates through pre-activated polymer adlayers. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3967-72	11.8	29
83	Mono-arginine Cholesterol-based Small Lipid Nanoparticles as a Systemic siRNA Delivery Platform for Effective Cancer Therapy. <i>Theranostics</i> , 2016 , 6, 192-203	12.1	29
82	Efficient Liposomal Nanocarrier-mediated Oligodeoxynucleotide Delivery Involving Dual Use of a Cell-Penetrating Peptide as a Packaging and Intracellular Delivery Agent. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 1155-62	4.8	28
81	Nanoparticle-Assisted Transcutaneous Delivery of a Signal Transducer and Activator of Transcription 3-Inhibiting Peptide Ameliorates Psoriasis-like Skin Inflammation. <i>ACS Nano</i> , 2018 , 12, 6904-6916	16.7	26
80	Aqueous Red-Emissive Probe for the Selective Fluorescent Detection of Cysteine by Deprotection/Cyclization Cascade Resulting in Large Stokes Shift. <i>Chemistry - A European Journal</i> , 2018 , 24, 5623-5629	4.8	25
79	Targeted Therapy for Breast Cancer Stem Cells by Liposomal Delivery of siRNA against Fibronectin EDB. <i>Advanced Healthcare Materials</i> , 2015 , 4, 1675-80	10.1	25

78	Imageable Antigen-Presenting Gold Nanoparticle Vaccines for Effective Cancer Immunotherapy In Vivo. <i>Angewandte Chemie</i> , 2012 , 124, 8930-8935	3.6	24
77	MRI of breast tumor initiating cells using the extra domain-B of fibronectin targeting nanoparticles. <i>Theranostics</i> , 2014 , 4, 845-57	12.1	23
76	Gold Nanorod-based Photo-PCR System for One-Step, Rapid Detection of Bacteria. <i>Nanotheranostics</i> , 2017 , 1, 178-185	5.6	22
75	A selective fluorescent probe for cysteine and its imaging in live cells. <i>RSC Advances</i> , 2014 , 4, 64183-64186	3.7	22
74	Diselenide-based probe for the selective imaging of hypochlorite in living cancer cells. <i>RSC Advances</i> , 2016 , 6, 32013-32017	3.7	21
73	Degradable poly(amino alcohol esters) as potential DNA vectors with low cytotoxicity. <i>Biomacromolecules</i> , 2003 , 4, 1759-62	6.9	21
72	Curcumin as a Novel Nanocarrier System for Doxorubicin Delivery to MDR Cancer Cells: In Vitro and In Vivo Evaluation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 28458-28470	9.5	20
71	Distribution and accumulation of Cy5.5-labeled thermally cross-linked superparamagnetic iron oxide nanoparticles in the tissues of ICR mice. <i>Journal of Veterinary Science</i> , 2013 , 14, 473-9	1.6	20
70	Sequential and Timely Combination of a Cancer Nanovaccine with Immune Checkpoint Blockade Effectively Inhibits Tumor Growth and Relapse. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14628-14638	16.4	19
69	Bioengineered yeast-derived vacuoles with enhanced tissue-penetrating ability for targeted cancer therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 710-5	11.5	19
68	Bilirubin nanomedicine alleviates psoriatic skin inflammation by reducing oxidative stress and suppressing pathogenic signaling. <i>Journal of Controlled Release</i> , 2020 , 325, 359-369	11.7	19
67	Intracellular Delivery of Bioactive Cargos to Hard-to-Transfect Cells Using Carbon Nanosyringe Arrays under an Applied Centrifugal g-Force. <i>Advanced Healthcare Materials</i> , 2016 , 5, 101-7	10.1	18
66	Black Pigment Gallstone Inspired Platinum-Chelated Bilirubin Nanoparticles for Combined Photoacoustic Imaging and Photothermal Therapy of Cancers. <i>Angewandte Chemie</i> , 2017 , 129, 13872-13876	3.6	18
65	Bioinspired Colorimetric Detection of Calcium(II) Ions in Serum Using Calsequestrin-Functionalized Gold Nanoparticles. <i>Angewandte Chemie</i> , 2009 , 121, 4202-4205	3.6	18
64	Is it worth expending energy to convert biliverdin into bilirubin?. <i>Free Radical Biology and Medicine</i> , 2018 , 124, 232-240	7.8	17
63	Magnetic nanoparticles and their applications in image-guided drug delivery. <i>Drug Delivery and Translational Research</i> , 2012 , 2, 3-21	6.2	17
62	Dll4 Suppresses Transcytosis for Arterial Blood-Retinal Barrier Homeostasis. <i>Circulation Research</i> , 2020 , 126, 767-783	15.7	16
61	PEGylated Bilirubin-coated Iron Oxide Nanoparticles as a Biosensor for Magnetic Relaxation Switching-based ROS Detection in Whole Blood. <i>Theranostics</i> , 2020 , 10, 1997-2007	12.1	16

60	Printing of sub-100-nm metal nanodot arrays by carbon nanopost stamps. <i>ACS Nano</i> , 2011 , 5, 5543-51	16.7	16
59	An approach for half-life extension and activity preservation of an anti-diabetic peptide drug based on genetic fusion with an albumin-binding aptide. <i>Journal of Controlled Release</i> , 2017 , 256, 114-120	11.7	15
58	Lissajous Scanning Two-photon Endomicroscope for In vivo Tissue Imaging. <i>Scientific Reports</i> , 2019 , 9, 3560	4.9	15
57	VEGF-binding aptides and the inhibition of choroidal and retinal neovascularization. <i>Biomaterials</i> , 2014 , 35, 3052-9	15.6	15
56	Bilirubin Nanoparticles as a Nanomedicine for Anti-inflammation Therapy. <i>Angewandte Chemie</i> , 2016 , 128, 7586-7589	3.6	15
55	Structure-inherent near-infrared bilayer nanovesicles for use as photoacoustic image-guided chemo-thermotherapy. <i>Journal of Controlled Release</i> , 2020 , 320, 283-292	11.7	14
54	Enhanced Electron Transfer Mediated by Conjugated Polyelectrolyte and Its Application to Washing-Free DNA Detection. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2409-2412	16.4	14
53	HER2-specific aptide conjugated magneto-nanoclusters for potential breast cancer imaging and therapy. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 4576-4583	7.3	14
52	Nanoparticles targeting extra domain B of fibronectin-specific to the atherosclerotic lesion types III, IV, and V-enhance plaque detection and cargo delivery. <i>Theranostics</i> , 2018 , 8, 6008-6024	12.1	14
51	Naturally Occurring Bioactive Compound-Derived Nanoparticles for Biomedical Applications. <i>Advanced Therapeutics</i> , 2019 , 2, 1800146	4.9	13
50	Self-assembled nanoparticles comprising aptide-SN38 conjugates for use in targeted cancer therapy. <i>Nanotechnology</i> , 2016 , 27, 48LT01	3.4	13
49	Polymer Thin Films with Tunable Acetylcholine-like Functionality Enable Long-Term Culture of Primary Hippocampal Neurons. <i>ACS Nano</i> , 2016 , 10, 9909-9918	16.7	13
48	TCL-SPION-enhanced MRI for the detection of lymph node metastasis in murine experimental model. <i>Academic Radiology</i> , 2011 , 18, 504-11	4.3	13
47	Electrochemical Immunosensing Chip Using Selective Surface Modification, Capillary-Driven Microfluidic Control, and Signal Amplification by Redox Cycling. <i>Electroanalysis</i> , 2010 , 22, 2235-2244	3	12
46	High-density immobilization of antibodies onto nanobead-coated cyclic olefin copolymer plastic surfaces for application as a sensitive immunoassay chip. <i>Biomedical Microdevices</i> , 2013 , 15, 691-698	3.7	11
45	Polymer Thin Film-Induced Tumor Spheroids Acquire Cancer Stem Cell-like Properties. <i>Cancer Research</i> , 2018 , 78, 6890-6902	10.1	11
44	Conversion of low-affinity peptides to high-affinity peptide binders by using a hairpin scaffold-assisted approach. <i>ChemBioChem</i> , 2015 , 16, 43-6	3.8	10
43	Preparation and therapeutic evaluation of paclitaxel-conjugated low-molecular-weight chitosan nanoparticles. <i>Macromolecular Research</i> , 2014 , 22, 805-808	1.9	10

42	An Amphiphilic Polymer- and Carbon Nanotube-Modified Indium Tin Oxide Electrode for Sensitive Electrochemical DNA Detection with Low Nonspecific Binding. <i>Electroanalysis</i> , 2010 , 22, 2615-2619	3	10
41	Magnetic Resonance Imaging-Guided Drug Delivery to Breast Cancer Stem-Like Cells. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800266	10.1	9
40	An unusual protein-protein interaction through coupled unfolding and binding. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9784-7	16.4	9
39	Solid-phase recombinase polymerase amplification using an extremely low concentration of a solution primer for sensitive electrochemical detection of hepatitis B viral DNA. <i>Biosensors and Bioelectronics</i> , 2021 , 179, 113065	11.8	9
38	Bilirubin nanomedicine ameliorates the progression of experimental autoimmune encephalomyelitis by modulating dendritic cells. <i>Journal of Controlled Release</i> , 2021 , 331, 74-84	11.7	9
37	Targeting the tumor microenvironment with amphiphilic near-infrared cyanine nanoparticles for potentiated photothermal immunotherapy. <i>Biomaterials</i> , 2021 , 275, 120926	15.6	9
36	Targeted Cancer Therapy Using Fusion Protein of TNF α and Tumor-Associated Fibronectin-Specific Aptide. <i>Molecular Pharmaceutics</i> , 2017 , 14, 3772-3779	5.6	8
35	Selective immobilization of biomolecules onto an activated polymeric adlayer. <i>Biointerphases</i> , 2007 , 2, 136-42	1.8	8
34	Bio-Inspired Design and Potential Biomedical Applications of a Novel Class of High-Affinity Peptides. <i>Angewandte Chemie</i> , 2012 , 124, 1926-1930	3.6	7
33	Self-Assembled Supramolecular Bilayer Nanoparticles Composed of Near-Infrared Dye as a Theranostic Nanoplatfrom To Encapsulate Hydrophilic Drugs Effectively. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 474-484	5.5	7
32	A Hybrid Platform Based on a Bispecific Peptide-Antibody Complex for Targeted Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2005-2010	16.4	7
31	CD44-Mediated Methotrexate Delivery by Hyaluronan-Coated Nanoparticles Composed of a Branched Cell-Penetrating Peptide. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 494-504	5.5	6
30	Electrochemical detection of interleukin-8 in human saliva using a polyenzyme label based on diaphorase and neutravidin. <i>Sensors and Actuators B: Chemical</i> , 2021 , 326, 128979	8.5	6
29	A bilirubin-derived nanomedicine attenuates the pathological cascade of pulmonary fibrosis. <i>Biomaterials</i> , 2021 , 275, 120986	15.6	6
28	Diaphorase-Catalyzed Formation of a Formazan Precipitate and Its Electrodissolution for Sensitive Affinity Biosensors. <i>Analytical Chemistry</i> , 2020 , 92, 3932-3939	7.8	5
27	A high-affinity peptide for nicotinic acetylcholine receptor- β and its potential use in pulmonary drug delivery. <i>Journal of Controlled Release</i> , 2014 , 192, 141-7	11.7	5
26	Immunosensing Microchip Using Fast and Selective Preparation of an Iridium Oxide Nanoparticle-Based Pseudoreference Electrode. <i>Electroanalysis</i> , 2011 , 23, 2042-2048	3	5
25	Multistimuli-Responsive Bilirubin Nanoparticles for Anticancer Therapy. <i>Angewandte Chemie</i> , 2016 , 128, 10834-10838	3.6	4

24	Handheld endomicroscope using a fiber-optic harmonograph enables real-time and in vivo confocal imaging of living cell morphology and capillary perfusion. <i>Microsystems and Nanoengineering</i> , 2020 , 6, 72	7.7	4
23	Biomimetic lipid Nanocomplexes incorporating STAT3-inhibiting peptides effectively infiltrate the lung barrier and ameliorate pulmonary fibrosis. <i>Journal of Controlled Release</i> , 2021 , 332, 160-170	11.7	4
22	Antibody-Assisted Delivery of a Peptide-Drug Conjugate for Targeted Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2019 , 16, 165-172	5.6	4
21	Extra-domain B of fibronectin as an alternative target for drug delivery and a cancer diagnostic and prognostic biomarker for malignant glioma. <i>Theranostics</i> , 2021 , 11, 941-957	12.1	4
20	A histone H1-binding-aptide-based apoptosis imaging probe for monitoring tumor responses to cancer therapy. <i>MedChemComm</i> , 2017 , 8, 390-393	5	3
19	Photomedicine based on heme-derived compounds.. <i>Advanced Drug Delivery Reviews</i> , 2022 , 114134	18.5	3
18	Biomedical Applications of a Novel Class of High-Affinity Peptides. <i>Accounts of Chemical Research</i> , 2021 , 54, 3576-3592	24.3	3
17	Gold nanorods with an ultrathin anti-biofouling siloxane layer for combinatorial anticancer therapy. <i>Journal of Drug Targeting</i> , 2020 , 28, 780-788	5.4	2
16	Antigen-Presenting, Self-Assembled Protein Nanobarrels as an Adjuvant-Free Vaccine Platform against Influenza Virus. <i>ACS Nano</i> , 2021 , 15, 10722-10732	16.7	2
15	A Hybrid Platform Based on a Bispecific Peptide-Antibody Complex for Targeted Cancer Therapy. <i>Angewandte Chemie</i> , 2019 , 131, 2027-2032	3.6	2
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