

Takuro Niidome

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.

259 papers	9,651 citations	47 h-index	91 g-index
273 ext. papers	10,353 ext. citations	5 avg, IF	5.89 L-index

#	Paper	IF	Citations
259	PEG-modified gold nanorods with a stealth character for in vivo applications. <i>Journal of Controlled Release</i> , 2006 , 114, 343-7	11.7	979
258	Gene therapy progress and prospects: nonviral vectors. <i>Gene Therapy</i> , 2002 , 9, 1647-52	4	796
257	The forthcoming applications of gold nanoparticles in drug and gene delivery systems. <i>Journal of Controlled Release</i> , 2011 , 149, 65-71	11.7	514
256	Modification of gold nanorods using phosphatidylcholine to reduce cytotoxicity. <i>Langmuir</i> , 2006 , 22, 2-5	4	362
255	Nanoparticles of adaptive supramolecular networks self-assembled from nucleotides and lanthanide ions. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2151-8	16.4	272
254	In vitro gene transfection using dendritic poly(L-lysine). <i>Bioconjugate Chemistry</i> , 2002 , 13, 510-7	6.3	231
253	PNIPAM gel-coated gold nanorods for targeted delivery responding to a near-infrared laser. <i>Bioconjugate Chemistry</i> , 2009 , 20, 209-12	6.3	199
252	Artificial viruses and their application to gene delivery. Size-controlled gene coating with glycocluster nanoparticles. <i>Journal of the American Chemical Society</i> , 2003 , 125, 3455-7	16.4	193
251	Preparation of primary amine-modified gold nanoparticles and their transfection ability into cultivated cells. <i>Chemical Communications</i> , 2004 , 1978-9	5.8	167
250	The effects of PEG grafting level and injection dose on gold nanorod biodistribution in the tumor-bearing mice. <i>Journal of Controlled Release</i> , 2009 , 139, 81-4	11.7	164
249	Characters of dendritic poly(L-lysine) analogues with the terminal lysines replaced with arginines and histidines as gene carriers in vitro. <i>Biomaterials</i> , 2004 , 25, 537-44	15.6	149
248	Ternary complexes of pDNA, polyethylenimine, and gamma-polyglutamic acid for gene delivery systems. <i>Biomaterials</i> , 2009 , 30, 2846-53	15.6	142
247	Activation of Helicobacter pylori VacA toxin by alkaline or acid conditions increases its binding to a 250-kDa receptor protein-tyrosine phosphatase beta. <i>Journal of Biological Chemistry</i> , 1999 , 274, 36693-9 ^{5.4}	5.4	135
246	Stable incorporation of gold nanorods into N-isopropylacrylamide hydrogels and their rapid shrinkage induced by near-infrared laser irradiation. <i>Langmuir</i> , 2007 , 23, 4012-8	4	128
245	Hyaluronic acid and its derivative as a multi-functional gene expression enhancer: protection from non-specific interactions, adhesion to targeted cells, and transcriptional activation. <i>Journal of Controlled Release</i> , 2006 , 112, 382-8	11.7	128
244	Structural advantage of dendritic poly(L-lysine) for gene delivery into cells. <i>Bioorganic and Medicinal Chemistry</i> , 2007 , 15, 526-32	3.4	122
243	PEGylated lysine dendrimers for tumor-selective targeting after intravenous injection in tumor-bearing mice. <i>Journal of Controlled Release</i> , 2006 , 116, 330-6	11.7	120

242	Salmonella enteritidis FlhC (Flagella filament protein) induces human beta-defensin-2 mRNA production by Caco-2 cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 30521-6	5.4	118
241	Binding of cationic alpha-helical peptides to plasmid DNA and their gene transfer abilities into cells. <i>Journal of Biological Chemistry</i> , 1997 , 272, 15307-12	5.4	117
240	Stabilizing of plasmid DNA in vivo by PEG-modified cationic gold nanoparticles and the gene expression assisted with electrical pulses. <i>Journal of Controlled Release</i> , 2006 , 111, 382-9	11.7	108
239	Gold Nanorod-sensitized Cell Death: Microscopic Observation of Single Living Cells Irradiated by Pulsed Near-infrared Laser Light in the Presence of Gold Nanorods. <i>Chemistry Letters</i> , 2006 , 35, 500-501	1.7	106
238	Protein-tyrosine phosphatase alpha, RPTP alpha, is a Helicobacter pylori VacA receptor. <i>Journal of Biological Chemistry</i> , 2003 , 278, 19183-9	5.4	97
237	Efficient delivery of siRNA using dendritic poly(L-lysine) for loss-of-function analysis. <i>Journal of Controlled Release</i> , 2008 , 126, 59-66	11.7	96
236	Biodistribution characteristics of amino acid dendrimers and their PEGylated derivatives after intravenous administration. <i>Journal of Controlled Release</i> , 2006 , 114, 69-77	11.7	89
235	Photothermal reshaping of gold nanorods prevents further cell death. <i>Nanotechnology</i> , 2006 , 17, 4431-4435	4.4	85
234	Vacuolating cytotoxin purified from Helicobacter pylori causes mitochondrial damage in human gastric cells. <i>Microbial Pathogenesis</i> , 1999 , 26, 45-52	3.8	77
233	Folate-PEG-appended dendrimer conjugate with cyclodextrin as a novel cancer cell-selective siRNA delivery carrier. <i>Molecular Pharmaceutics</i> , 2012 , 9, 2591-604	5.6	74
232	Design of polymeric carriers for cancer-specific gene targeting: utilization of abnormal protein kinase Calpha activation in cancer cells. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14906-7	16.4	74
231	Helicobacter pylori VacA activates the p38/activating transcription factor 2-mediated signal pathway in AZ-521 cells. <i>Journal of Biological Chemistry</i> , 2004 , 279, 7024-8	5.4	72
230	Measurement of homogeneous kinase activity for cell lysates based on the aggregation of gold nanoparticles. <i>ChemBioChem</i> , 2007 , 8, 875-9	3.8	71
229	Helicobacter pylori vacuolating cytotoxin binds to the 140-kDa protein in human gastric cancer cell lines, AZ-521 and AGS. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 238, 629-32	3.4	69
228	Poly(ethylene glycol)-modified gold nanorods as a photothermal nanodevice for hyperthermia. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009 , 20, 1203-15	3.5	67
227	Controlled-release system of single-stranded DNA triggered by the photothermal effect of gold nanorods and its in vivo application. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 2130-5	3.4	65
226	In vivo siRNA delivery with dendritic poly(L-lysine) for the treatment of hypercholesterolemia. <i>Molecular BioSystems</i> , 2009 , 5, 1306-10		64
225	Novel receptor-mediated gene delivery system comprising plasmid/protamine/sugar-containing polyanion ternary complex. <i>Biomaterials</i> , 2004 , 25, 3267-73	15.6	62

224	Morphologic differentiation of HL-60 cells is associated with appearance of RPTPbeta and induction of Helicobacter pylori VacA sensitivity. <i>Journal of Biological Chemistry</i> , 2000 , 275, 15200-6	5.4	60
223	Induction of human beta-defensin-2 mRNA expression by Helicobacter pylori in human gastric cell line MKN45 cells on cag pathogenicity island. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 263, 770-4	3.4	60
222	Gold nanoparticle-based colorimetric assay for cancer diagnosis. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1869-74	11.8	58
221	Colorimetric enzymatic activity assay based on noncrosslinking aggregation of gold nanoparticles induced by adsorption of substrate peptides. <i>Biomacromolecules</i> , 2008 , 9, 2301-8	6.9	57
220	A putative metal-binding site in the beta subunit of rat mitochondrial processing peptidase is essential for its catalytic activity. <i>Journal of Biochemistry</i> , 1995 , 117, 1148-50	3.1	56
219	Long circulation of intravenously administered plasmid DNA delivered with dendritic poly(L-lysine) in the blood flow. <i>Journal of Controlled Release</i> , 2004 , 99, 329-37	11.7	55
218	Interaction of mastoparan with membranes studied by 1H-NMR spectroscopy in detergent micelles and by solid-state 2H-NMR and 15N-NMR spectroscopy in oriented lipid bilayers. <i>FEBS Journal</i> , 2001 , 268, 302-9		55
217	Time-dependent complex formation of dendritic poly(L-lysine) with plasmid DNA and correlation with in vitro transfection efficiencies. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 1270-3	3.9	54
216	Controlled-release system mediated by a retro Diels-Alder reaction induced by the photothermal effect of gold nanorods. <i>Langmuir</i> , 2011 , 27, 14621-6	4	49
215	Interaction of pleurocidin and its analogs with phospholipid membrane and their antibacterial activity. <i>Chemical Biology and Drug Design</i> , 2001 , 57, 119-26		49
214	Highly cited research articles in Journal of Controlled Release: Commentaries and perspectives by authors. <i>Journal of Controlled Release</i> , 2014 , 190, 29-74	11.7	47
213	Surface modification of gold nanorods using layer-by-layer technique for cellular uptake. <i>Journal of Nanoparticle Research</i> , 2008 , 10, 221-228	2.3	47
212	In vivo monitoring of intravenously injected gold nanorods using near-infrared light. <i>Small</i> , 2008 , 4, 1001-7	11.7	46
211	An intracellular kinase signal-responsive gene carrier for disordered cell-specific gene therapy. <i>Journal of Controlled Release</i> , 2006 , 110, 431-436	11.7	45
210	Importance of hydrophobic region in amphiphilic structures of alpha-helical peptides for their gene transfer-ability into cells. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 245, 259-65	3.4	45
209	Evaluation of protein kinase activities of cell lysates using peptide microarrays based on surface plasmon resonance imaging. <i>Analytical Biochemistry</i> , 2008 , 375, 223-31	3.1	43
208	Phosphorylation of Rho-associated kinase (Rho-kinase/ROCK/ROK) substrates by protein kinases A and C. <i>Biochimie</i> , 2007 , 89, 39-47	4.6	43
207	Gene transfer into hepatoma cells mediated by galactose-modified alpha-helical peptides. <i>Biomaterials</i> , 2000 , 21, 1811-9	15.6	43

206	Gangliosides act as co-receptors for Salmonella enteritidis FliC and promote FliC induction of human beta-defensin-2 expression in Caco-2 cells. <i>Journal of Biological Chemistry</i> , 2004 , 279, 12213-9	5.4	42
205	Chain length of cationic alpha-helical peptide sufficient for gene delivery into cells. <i>Bioconjugate Chemistry</i> , 1999 , 10, 773-80	6.3	41
204	Analysis of elements in the substrate required for processing by mitochondrial processing peptidase. <i>Journal of Biological Chemistry</i> , 1995 , 270, 30322-6	5.4	41
203	CW/pulsed NIR irradiation of gold nanorods: effect on transdermal protein delivery mediated by photothermal ablation. <i>Journal of Controlled Release</i> , 2013 , 171, 178-83	11.7	38
202	A short peptide is a protein kinase C (PKC) alpha-specific substrate. <i>Proteomics</i> , 2008 , 8, 2006-11	4.8	38
201	Novel poly(ethylene glycol) derivatives with carboxylic acid pendant groups: synthesis and their protection and enhancing effect on non-viral gene transfection systems. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2003 , 14, 515-31	3.5	37
200	Antibacterial activity of bactenecin 5 fragments and their interaction with phospholipid membranes. <i>Journal of Peptide Science</i> , 2001 , 7, 297-304	2.1	37
199	A solid-in-oil dispersion of gold nanorods can enhance transdermal protein delivery and skin vaccination. <i>Small</i> , 2011 , 7, 215-20	11	36
198	Active accumulation of gold nanorods in tumor in response to near-infrared laser irradiation. <i>Bioconjugate Chemistry</i> , 2010 , 21, 2049-54	6.3	36
197	A peptide microarray for the detection of protein kinase activity in cell lysate. <i>Analytical Sciences</i> , 2007 , 23, 271-5	1.7	36
196	Controlled release of PEG chain from gold nanorods: targeted delivery to tumor. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 4453-8	3.4	35
195	Intracellular signal-responsive gene carrier for cell-specific gene expression. <i>Biomacromolecules</i> , 2005 , 6, 908-13	6.9	35
194	Polydispersity as a parameter for indicating the thermal stability of proteins by dynamic light scattering. <i>Analytical Sciences</i> , 2010 , 26, 659-63	1.7	34
193	Polyelectrolyte-coated gold nanorods and their biomedical applications. <i>Nanoscale</i> , 2015 , 7, 59-65	7.7	33
192	Gold Nanorods as Nanodevices for Bioimaging, Photothermal Therapeutics, and Drug Delivery. <i>Chemical and Pharmaceutical Bulletin</i> , 2017 , 65, 625-628	1.9	33
191	Cytosolic soluble proteins induce DNA release from DNA-gene carrier complexes. <i>Journal of Controlled Release</i> , 2004 , 98, 325-32	11.7	33
190	Influence of lipophilic groups in cationic alpha-helical peptides on their abilities to bind with DNA and deliver genes into cells. <i>Chemical Biology and Drug Design</i> , 1999 , 54, 361-7		33
189	Gold nanorods in an oil-base formulation for transdermal treatment of type 1 diabetes in mice. <i>Nanoscale</i> , 2012 , 4, 3776-80	7.7	31

188	Structure-activity relationship of an antibacterial peptide, maculatin 1.1, from the skin glands of the tree frog, <i>Litoria genimaculata</i> . <i>Journal of Peptide Science</i> , 2004 , 10, 414-22	2.1	31
187	The significance of Ser1029 of the heat-stable enterotoxin receptor (STaR): relation of STa-mediated guanylyl cyclase activation and signaling by phorbol myristate acetate. <i>FEBS Letters</i> , 1996 , 384, 75-7	3.8	31
186	Conversion of rod-shaped gold nanoparticles to spherical forms and their effect on biodistribution in tumor-bearing mice. <i>Nanoscale Research Letters</i> , 2012 , 7, 565	5	30
185	Overall interaction of cytosolic proteins with the PEI/DNA complex. <i>Journal of Controlled Release</i> , 2007 , 118, 364-9	11.7	29
184	High-throughput colorimetric detection of tyrosine kinase inhibitors based on the aggregation of gold nanoparticles. <i>Analytical Biochemistry</i> , 2008 , 373, 161-3	3.1	29
183	Anisotropic Gold-based Nanoparticles: Preparation, Properties, and Applications. <i>Chemistry Letters</i> , 2016 , 45, 488-498	1.7	27
182	A protein kinase assay based on FRET between quantum dots and fluorescently-labeled peptides. <i>Chemical Communications</i> , 2013 , 49, 5592-4	5.8	27
181	Impairment of glutathione metabolism in human gastric epithelial cells treated with vacuolating cytotoxin from <i>Helicobacter pylori</i> . <i>Microbial Pathogenesis</i> , 2001 , 31, 29-36	3.8	27
180	Enhancement of transdermal protein delivery by photothermal effect of gold nanorods coated on polysaccharide-based hydrogel. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017 , 119, 91-95	5.7	26
179	Gene carrier showing all-or-none response to cancer cell signaling. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15410-7	16.4	26
178	Syndiotactic poly(N-n-propylacrylamide) shows highly cooperative phase transition. <i>Langmuir</i> , 2009 , 25, 48-50	4	26
177	Platelet-Like Gold Nanostars for Cancer Therapy: The Ability to Treat Cancer and Evade Immune Reactions. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 133	5.8	25
176	Optimized polymer coating for magnesium alloy-based bioresorbable scaffolds for long-lasting drug release and corrosion resistance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 163, 100-106	6	24
175	The enhancing effect of anionic alpha-helical peptide on cationic peptide-mediating transfection systems. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 235, 726-9	3.4	24
174	A quantitative peptide array for evaluation of protein kinase activity. <i>Analytical Biochemistry</i> , 2008 , 372, 106-15	3.1	24
173	Expression of Plasmid DNA Released from DNA Conjugates of Gold Nanorods. <i>Chemistry Letters</i> , 2007 , 36, 952-953	1.7	24
172	Short peptide motifs for long-lasting anchoring to the cell surface. <i>Bioconjugate Chemistry</i> , 2014 , 25, 2134-43	6.3	22
171	Parallel and antiparallel dimers of magainin 2: their interaction with phospholipid membrane and antibacterial activity. <i>Journal of Peptide Science</i> , 2002 , 8, 570-7	2.1	22

170	Molecular design of protein-based nanocapsules for stimulus-responsive characteristics. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 85-93	3.4	21
169	Photochemical Reaction of Poly(ethylene glycol) on Gold Nanorods Induced by Near Infrared Pulsed-laser Irradiation. <i>Chemistry Letters</i> , 2009 , 38, 226-227	1.7	21
168	Surface plasmon resonance imaging measurements of caspase reactions on peptide microarrays. <i>Analytical Biochemistry</i> , 2008 , 375, 147-9	3.1	21
167	pH-sensitive multi-drug liposomes targeting folate receptor for efficient treatment of non-small cell lung cancer. <i>Journal of Controlled Release</i> , 2021 , 330, 1-14	11.7	21
166	Interaction of alpha-helical peptides with phospholipid membrane: effects of chain length and hydrophobicity of peptides. <i>Chemical Biology and Drug Design</i> , 1998 , 51, 103-9		20
165	Purification and characterization of an acidic amino acid-specific endopeptidase of <i>Bacillus subtilis</i> obtained from a commercial preparation (Protease Type XVI, Sigma). <i>Journal of Biochemistry</i> , 1990 , 108, 965-70	3.1	20
164	Comparison of microbial communities inside and outside of a denitrification hotspot in confined groundwater. <i>International Biodeterioration and Biodegradation</i> , 2016 , 114, 104-109	4.8	20
163	Stat3 inhibitor abrogates the expression of PD-1 ligands on lymphoma cell lines. <i>Journal of Clinical and Experimental Hematopathology: JCEH</i> , 2017 , 57, 21-25	1.9	19
162	Hydrophobic cavity formed by oligopeptide for doxorubicin delivery based on dendritic poly(L-lysine). <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014 , 25, 1362-73	3.5	19
161	Protein kinase C alpha-specific peptide substrate graft-type copolymer for cancer cell-specific gene regulation systems. <i>Journal of Controlled Release</i> , 2009 , 139, 133-9	11.7	19
160	A protein kinase signal-responsive gene carrier modified RGD peptide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 5740-3	2.9	19
159	A colorimetric assay of protein kinase activity based on peptide-induced coagulation of gold nanorods. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 99, 7-11	6	18
158	Inflammatory cell-specific transgene expression system responding to Ikappa-B kinase beta activation. <i>Journal of Gene Medicine</i> , 2009 , 11, 624-32	3.5	18
157	Antibacterial activity of peptides derived from the C-terminal region of a hemolytic lectin, CEL-III, from the marine invertebrate <i>Cucumaria echinata</i> . <i>Journal of Biochemistry</i> , 2004 , 135, 65-70	3.1	18
156	Efficient preparation of cyclic peptide mixtures by solid phase synthesis and cyclization cleavage with oxime resin 1995 , 36, 4837-4837		18
155	Required structure of cationic peptide for oligonucleotide-binding and -delivering into cells. <i>Journal of Peptide Science</i> , 2000 , 6, 271-9	2.1	18
154	Peptide substrates for Rho-associated kinase 2 (Rho-kinase 2/ROCK2). <i>PLoS ONE</i> , 2011 , 6, e22699	3.7	17
153	Fluorescent nanoparticles consisting of lipopeptides and fluorescein-modified polyanions for monitoring of protein kinase activity. <i>Bioconjugate Chemistry</i> , 2011 , 22, 1526-34	6.3	17

152	Pulmonary gene delivery of hybrid vector, lipopolyplex containing N-lauroylsarcosine, via the systemic route. <i>Journal of Controlled Release</i> , 2009 , 136, 213-9	11.7	17
151	Mass-tag technology responding to intracellular signals as a novel assay system for the diagnosis of tumor. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 106-12	3.5	17
150	Oriental behavior of phospholipid membranes with mastoparan studied by ³¹ P solid state NMR. <i>FEBS Letters</i> , 1999 , 455, 228-32	3.8	17
149	Molecular cloning of the smaller subunit(P52) of rat liver mitochondrial processing protease. <i>Biochemical and Biophysical Research Communications</i> , 1993 , 190, 289-93	3.4	17
148	Combination of bubble liposomes and high-intensity focused ultrasound (HIFU) enhanced antitumor effect by tumor ablation. <i>Biological and Pharmaceutical Bulletin</i> , 2014 , 37, 174-7	2.3	16
147	Rapid and selective determination of free chlorine in aqueous solution using electrophilic addition to styrene by gas chromatography/mass spectrometry. <i>Talanta</i> , 2013 , 103, 81-5	6.2	16
146	Design of temperature-responsive polymers with enhanced hysteresis: alpha,alpha-disubstituted vinyl polymers. <i>Langmuir</i> , 2010 , 26, 9224-32	4	16
145	Unusually large hysteresis of temperature-responsive poly(N-ethyl-2-propionamidoacrylamide) studied by microcalorimetry and FT-IR. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 7784-90	3.4	16
144	Monitoring protein kinase activity in cell lysates using a high-density peptide microarray. <i>Journal of Biomolecular Screening</i> , 2009 , 14, 256-62		16
143	Protease D from the sarcocarp of honeydew melon fruit. <i>Phytochemistry</i> , 1993 , 33, 1005-8	4	16
142	Effects of pulsed laser irradiation on gold-coated silver nanoplates and their antibacterial activity. <i>Nanoscale</i> , 2017 , 9, 16101-16105	7.7	15
141	Rapid and serum-insensitive endocytotic delivery of proteins using biotinylated polymers attached via multivalent hydrophobic anchors. <i>Journal of Controlled Release</i> , 2014 , 177, 27-33	11.7	15
140	Protein kinase Calpha-responsive polymeric carrier: its application for gene delivery into human cancers. <i>Cancer Science</i> , 2009 , 100, 1532-6	6.9	15
139	Structure and property of model peptides of proline/arginine-rich region in battenecin 5. <i>Chemical Biology and Drug Design</i> , 1998 , 51, 337-45		15
138	Specific transgene expression in HIV-infected cells using protease-cleavable transcription regulator. <i>Journal of Controlled Release</i> , 2010 , 141, 52-61	11.7	15
137	Effect of the addition of diammonium citrate to alpha-cyano-4-hydroxycinnamic acid (CHCA) matrix for the detection of phosphorylated peptide in phosphorylation reactions using cell and tissue lysates. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 1925-31	3.5	15
136	Evaluation of the Biogenic Amine-production Ability of Lactic Acid Bacteria Isolated from Tofu-miso-zuke. <i>Food Science and Technology Research</i> , 2016 , 22, 673-678	0.8	14
135	Gold Coating of Silver Nanoplates for Enhanced Dispersion Stability and Efficient Antimicrobial Activity against Intracellular Bacteria. <i>Langmuir</i> , 2018 , 34, 10413-10418	4	14

134	Membrane interaction of synthetic peptides related to the putative fusogenic region of PH-30 alpha, a protein in sperm-egg fusion. <i>Chemical Biology and Drug Design</i> , 1997 , 49, 563-9		14
133	Protein kinase substrate profiling with a high-density peptide microarray. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2010 , 13, 777-89	1.3	14
132	Hepatoma-targeted gene delivery using a tumor cell-specific gene regulation system combined with a human liver cell-specific bionanocapsule. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010 , 6, 583-9	6	14
131	Effect of Chain Length of Cationic Model Peptides on Antibacterial Activity. <i>Bulletin of the Chemical Society of Japan</i> , 2005 , 78, 473-476	5.1	14
130	Silk Fibroin as a Coating Polymer for Sirolimus-Eluting Magnesium Alloy Stents.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 531-538	4.1	14
129	Imaging Mass Spectrometry of Intravenously Injected Gold Nanorods in Mice. <i>Chemistry Letters</i> , 2014 , 43, 131-133	1.7	13
128	A novel double-coating carrier produced by solid-in-oil and solid-in-water nanodispersion technology for delivery of genes and proteins into cells. <i>Journal of Controlled Release</i> , 2012 , 161, 713-21	11.7	13
127	NFkappaB decoy delivery using dendritic poly(L-lysine) for treatment of endotoxin-induced hepatitis in mice. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 4990-5	3.4	13
126	Pulsed-Laser Induced Fragmentation and Dissociation of DNA Immobilized on Gold Nanoparticles. <i>Molecular Crystals and Liquid Crystals</i> , 2006 , 445, 201/[491]-206/[496]	0.5	13
125	Helicobacter pylori VacA, acting through receptor protein tyrosine phosphatase is crucial for CagA phosphorylation in human duodenum carcinoma cell line AZ-521. <i>DMM Disease Models and Mechanisms</i> , 2016 , 9, 1473-1481	4.1	13
124	Silver Nanoparticles as Potential Antibiofilm Agents against Human Pathogenic Bacteria. <i>Chemistry Letters</i> , 2017 , 46, 594-596	1.7	12
123	Genome Editing in a Wide Area of the Brain Using Dendrimer-Based Ternary Polyplexes of Cas9 Ribonucleoprotein. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 21386-21397	9.5	12
122	Tumor therapy by gene regulation system responding to cellular signal. <i>Journal of Controlled Release</i> , 2010 , 148, 101-105	11.7	12
121	Characterization of the interaction of hemolytic lectin CEL-III from the marine invertebrate, Cucumaria echinata, with artificial lipid membranes: involvement of neutral sphingoglycolipids in the pore-forming process. <i>Journal of Biochemistry</i> , 1999 , 125, 277-84	3.1	12
120	Gold-Treated Silver Nanoparticles Have Enhanced Antimicrobial Activity. <i>Bulletin of the Chemical Society of Japan</i> , 2019 , 92, 297-301	5.1	11
119	Nitroxyl radicals-modified dendritic poly(L-lysine) as a contrast agent for Overhauser-enhanced MRI. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014 , 25, 1425-39	3.5	11
118	Imaging Mass Spectrometry of Gold Nanorods Distributed in Tumor Tissues. <i>Chemistry Letters</i> , 2015 , 44, 931-933	1.7	11
117	A polyion complex nanogel. <i>Journal of Colloid and Interface Science</i> , 2013 , 390, 78-84	9.3	11

116	Signal-to-noise ratio improvement of peptide microarrays by using hyperbranched-polymer materials. <i>Journal of Applied Physics</i> , 2009 , 105, 102020	2.5	11
115	Interaction of lipophilic peptides derived from mastoparan with phospholipid vesicles. <i>Chemical Biology and Drug Design</i> , 1997 , 50, 458-64		11
114	Spatially-targeted laser fabrication of multi-metal microstructures inside a hydrogel. <i>Optics Express</i> , 2019 , 27, 14657-14666	3.3	11
113	Glycol Chitosan-Docosahexaenoic Acid Liposomes for Drug Delivery: Synergistic Effect of Doxorubicin-Rapamycin in Drug-Resistant Breast Cancer. <i>Marine Drugs</i> , 2019 , 17,	6	10
112	Transgene regulation system responding to Rho associated coiled-coil kinase (ROCK) activation. <i>Journal of Controlled Release</i> , 2011 , 155, 40-6	11.7	10
111	Photoinduced Release of Oligonucleotide-conjugated Silica-coated Gold Nanorods Accompanied by Moderate Morphological Changes. <i>Chemistry Letters</i> , 2008 , 37, 718-719	1.7	10
110	Simultaneous Analysis of Phosphorylated Peptides by MALDI-TOF-MS. <i>Chromatographia</i> , 2006 , 63, 595-598	2.8	10
109	Optically driven transport into a living cell. <i>Applied Physics Letters</i> , 2003 , 83, 2468-2470	3.4	10
108	A peptide sequence controls the physical properties of nanoparticles formed by peptide-polymer conjugates that respond to a protein kinase a signal. <i>Bioconjugate Chemistry</i> , 2005 , 16, 1542-6	6.3	10
107	A novel protease activity assay using a protease-responsive chaperone protein. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 383, 293-7	3.4	9
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