Shunsaku Kimura

List of Publications by Citations

185 papers	5,425 citations	38 h-index	68 g-index
189 ext. papers	5,709 ext. citations	5.4 avg, IF	5.64 L-index

#	Paper	IF	Citations
185	Enzymatic polymerization. *Chemical Reviews*, **2001**, 101, 3793-818	68.1	813
184	Enzymes as Green Catalysts for Precision Macromolecular Synthesis. *Chemical Reviews*, **2016**, 116, 2307-2413	68.1	318
183	A molecular photodiode system that can switch photocurrent direction. *Science*, **2004**, 304, 1944-7	33.3	284
182	Long-range electron transfer over 4 nm governed by an inelastic hopping mechanism in self-assembled monolayers of helical peptides. *Journal of the American Chemical Society*, **2003**, 125, 8732-3	13.4	165
181	Near-infrared fluorescence tumor imaging using nanocarrier composed of poly(L-lactic acid)-block-poly(sarcosine) amphiphilic polydepsipeptide. *Biomaterials*, **2009**, 30, 5156-60	15.6	110
180	Photocurrent Generation under a Large Dipole Moment Formed by Self-Assembled Monolayers of Helical Peptides Having an N-Ethylcarbazolyl Group. *Journal of the American Chemical Society*, **2000**, 122, 2850-2859	16.4	105
179	Near-infrared fluorescent labeled peptosome for application to cancer imaging. *Bioconjugate Chemistry*, **2008**, 19, 109-17	6.3	102
178	Formation of Oriented Helical Peptide Layers on a Gold Surface Due to the Self-Assembling Properties of Peptides. *Langmuir*, **1998**, 14, 6935-6940	4	99
177	In vitro synthesis of cellulose and related polysaccharides. *Progress in Polymer Science*, **2001**, 26, 1525-1560	29.6	94
176	Mechanistic findings of green tea as cancer preventive for humans. *Proceedings of the Society for Experimental Biology and Medicine*, **1999**, 220, 225-8		93
175	Electron hopping over 100 A along an alpha helix. *Angewandte Chemie - International Edition*, **2010**, 49, 1800-4	16.4	85
174	Effects of monolayer structures on long-range electron transfer in helical peptide monolayer. *Journal of Physical Chemistry B*, **2008**, 112, 12840-50	3.4	79
173	Chain length dependent transition of 310- to □helix of Boc-(Ala-Aib)n-OMe. *Biopolymers*, **1993**, 33, 1337-1345	2.2	79
172	pH-controlled switching of photocurrent direction by self-assembled monolayer of helical peptides. *Journal of the American Chemical Society*, **2005**, 127, 14564-5	16.4	73
171	Formation and structure of artificial cellulose spherulites via enzymatic polymerization. *Biomacromolecules*, **2000**, 1, 168-73	6.9	70
170	Distance dependence of long-range electron transfer through helical peptides. *Journal of Peptide Science*, **2008**, 14, 192-202	2.1	67
169	Effects of dipole moment, linkers, and chromophores at side chains on long-range electron transfer through helical peptides. *Journal of Physical Chemistry B*, **2005**, 109, 14416-25	3.4	65

168	Enzymatic polymerization to artificial hyaluronan: a novel method to synthesize a glycosaminoglycan using a transition state analogue monomer. *Journal of the American Chemical Society*, **2001**, 123, 11825-6	16.4	65
167	Efficient photocurrent generation by self-assembled monolayers composed of 3 10-helical peptides carrying linearly spaced naphthyl groups at the side chains. *Journal of the American Chemical Society* , **2004**, 126, 12780-1	16.4	64
166	Artificial Chitin Spherulites Composed of Single Crystalline Ribbons of β-Chitin via Enzymatic Polymerization. *Macromolecules*, **2000**, 33, 4155-4160	5.5	63
165	Nanotube and three-way nanotube formation with nonionic amphiphilic block peptides. *Macromolecular Bioscience*, **2008**, 8, 1026-33	5.5	61
164	Electron transfer in metal-molecule-metal junction composed of self-assembled monolayers of helical peptides carrying redox-active ferrocene units. *Langmuir*, **2005**, 21, 10624-31	4	61
163	Vesicular Self-Assembly of a Helical Peptide in Water. *Langmuir*, **1999**, 15, 4461-4463	4	60
162	Transformation of peptide nanotubes into a vesicle via fusion driven by stereo-complex formation. *Chemical Communications*, **2011**, 47, 3204-6	5.8	59
161	Molecular rectification of a helical peptide with a redox group in the metal-molecule-metal junction. *Journal of Physical Chemistry B*, **2005**, 109, 13906-11	3.4	59
160	Molecular dipole engineering: new aspects of molecular dipoles in molecular architecture and their functions. *Organic and Biomolecular Chemistry*, **2008**, 6, 1143-8	3.9	58
159	Negative surface potential produced by self-assembled monolayers of helix peptides oriented vertically to a surface. *Chemical Physics Letters*, **1999**, 315, 1-6	2.5	52
158	A helical molecule that exhibits two lengths in response to an applied potential. *Angewandte Chemie - International Edition*, **2005**, 44, 6330-3	16.4	47
157	Preparation of Novel Polymer Assemblies, "lactosome" Composed of Poly(L-lactic acid) and Poly(sarcosine). *Chemistry Letters*, **2007**, 36, 1220-1221	1.7	46
156	Ultra-long-range electron transfer through a self-assembled monolayer on gold composed of 120-Å long α-helices. *Langmuir*, **2011**, 27, 1530-5	4	43
155	Linker effects on monolayer formation and long-range electron transfer in helical peptide monolayers. *Journal of Physical Chemistry B*, **2009**, 113, 6256-66	3.4	43
154	Suppressive immune response of poly-(sarcosine) chains in peptide-nanosheets in contrast to polymeric micelles. *Journal of Peptide Science*, **2014**, 20, 570-7	2.1	42
153	Electron transfer through a self-assembled monolayer of a double-helix peptide with linking the terminals by ferrocene. *Langmuir*, **2009**, 25, 3297-304	4	42
152	Rational design of peptide nanotubes for varying diameters and lengths. *Journal of Peptide Science*, **2011**, 17, 94-9	2.1	41
151	Morphology control between twisted ribbon, helical ribbon, and nanotube self-assemblies with his-containing helical peptides in response to pH change. *Langmuir*, **2014**, 30, 1022-8	4	40

150	Parallel assembly of dipolar columns composed of a stacked cyclic tri-beta-peptide. *Organic and Biomolecular Chemistry*, **2006**, 4, 1896-901	3.9	40
149	Mechanistic Findings of Green Tea as Cancer Preventive for Humans. *Experimental Biology and Medicine*, **1999**, 220, 225-228	3.7	40
148	Oriented Helical Peptide Layer on the Carboxylate-Terminated Alkanethiol Immobilized on a Gold Surface. *Langmuir*, **1999**, 15, 1155-1160	4	40
147	Amphiphilic poly(Ala)-b-poly(Sar) microspheres loaded with hydrophobic drug. *Journal of Controlled Release*, **1998**, 51, 241-8	11.7	38
146	Spherical Self-Assembly of a Synthetic □Helical Peptide in Water. *Langmuir*, **1999**, 15, 4377-4379	4	38
145	Pharmacokinetic change of nanoparticulate formulation "Lactosome" on multiple administrations. *International Immunopharmacology*, **2012**, 14, 261-6	5.8	37
144	Tubulation on peptide vesicles by phase-separation of a binary mixture of amphiphilic right-handed and left-handed helical peptides. *Soft Matter*, **2011**, 7, 4143	3.6	37
143	Control of in vivo blood clearance time of polymeric micelle by stereochemistry of amphiphilic polydepsipeptides. *Journal of Controlled Release*, **2012**, 161, 821-5	11.7	34
142	Radiosynthesis and initial evaluation of (18)F labeled nanocarrier composed of poly(L-lactic acid)-block-poly(sarcosine) amphiphilic polydepsipeptide. *Nuclear Medicine and Biology*, **2013**, 40, 387-94	2.1	33
141	Columnar assembly of cyclic beta-amino acid functionalized with pyranose rings. *Biomacromolecules*, **2006**, 7, 2394-400	6.9	33
140	Observation of Single Helical Peptide Molecule Incorporated into Alkanethiol Self-Assembled Monolayer on Gold by Scanning Tunneling Microscopy. *Journal of Physical Chemistry B*, **2004**, 108, 15090-15095	3.4	33
139	Self-Assembly of □Helix Peptide/Crown Ether Conjugate upon Complexation with Ammonium-Terminated Alkanethiolate. *Langmuir*, **1998**, 14, 2761-2767	4	33
138	Factors influencing in vivo disposition of polymeric micelles on multiple administrations. *ACS Medicinal Chemistry Letters*, **2014**, 5, 873-7	4.3	31
137	Molecular direction dependence of single-molecule conductance of a helical peptide in molecular junction. *Physical Chemistry Chemical Physics*, **2013**, 15, 757-60	3.6	31
136	Effective encapsulation of a new cationic gadolinium chelate into apoferritin and its evaluation as an MRI contrast agent. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2011**, 7, 638-46	6	31
135	Columnar assembly formation and metal binding of cyclic tri-beta-peptides having terpyridine ligands. *Organic Letters*, **2007**, 9, 793-6	6.2	29
134	Nanofiber formation of amphiphilic cyclic tri-beta-peptide. *Journal of Peptide Science*, **2010**, 16, 110-4	2.1	25
133	Electron transport properties of helical peptide dithiol at a molecular level: Scanning tunneling microscope study. *Thin Solid Films*, **2006**, 509, 18-26	2.2	25

132	Monolayer Properties of Hydrophobic .alpha.-Helical Peptides Having Various End Groups at the Air/Water Interface. *Langmuir*, **1994**, 10, 2731-2735	4	25
131	Size control of core-shell-type polymeric micelle with a nanometer precision. *Langmuir*, **2014**, 30, 669-74	4	24
130	Versatile peptide rafts for conjugate morphologies by self-assembling amphiphilic helical peptides. *Polymer Journal*, **2013**, 45, 509-515	2.7	24
129	Monolayer Formation and Molecular Orientation of Various Helical Peptides at the Air/Water Interface. *Langmuir*, **1995**, 11, 1675-1679	4	24
128	Enzymatic polymerization behavior using cellulose-binding domain deficient endoglucanase II. *Macromolecular Bioscience*, **2005**, 5, 623-8	5.5	23
127	Controlled release from amphiphilic polymer aggregates. *Polymers for Advanced Technologies*, **2001**, 12, 85-95	3.2	23
126	Double assembly composed of lectin association with columnar molecular assembly of cyclic tri-beta-peptide having sugar units. *Biomacromolecules*, **2007**, 8, 611-6	6.9	22
125	Evasion from accelerated blood clearance of nanocarrier named as "Lactosome" induced by excessive administration of Lactosome. *Biochimica Et Biophysica Acta - General Subjects*, **2013**, 1830, 4046-52	4	21
124	Two-Dimensional Assembly Formation of Hydrophobic Helical Peptides at the Air/Water Interface: Fluorescence Microscopic Study. *Langmuir*, **1995**, 11, 253-258	4	21
123	Peptide nanotube composed of cyclic tetra-□peptide having polydiacetylene. *Biopolymers*, **2012**, 98, 155-60	2.2	20
122	Molecular assembly formation of cyclic hexa-beta-peptide composed of acetylated glycosamino acids. *Biopolymers*, **2007**, 88, 150-6	2.2	20
121	A Helical Molecule That Exhibits Two Lengths in Response to an Applied Potential. *Angewandte Chemie*, **2005**, 117, 6488-6491	3.6	20
120	Interaction of glucagon with artificial lipid bilayer membranes. *International Journal of Peptide and Protein Research*, **1992**, 39, 431-42		19
119	Spontaneous Vesicle Formation by Helical Glycopeptides in Water. *Journal of Colloid and Interface Science*, **2000**, 222, 265-267	9.3	19
118	Morphology Change from Nanotube to Vesicle and Monolayer/Bilayer Alteration by Amphiphilic Block Polypeptides Having Aromatic Groups at C Terminal. *Bulletin of the Chemical Society of Japan*, **2017**, 90, 568-573	5.1	18
117	Temperature-triggered fusion of vesicles composed of right-handed and left-handed amphiphilic helical peptides. *Langmuir*, **2011**, 27, 4300-4	4	18
116	Helix triangle: unique peptide-based molecular architecture. *Journal of the American Chemical Society*, **2006**, 128, 8034-41	16.4	18
115	Electric properties of self-assembled monolayers of helical peptides by scanning tunneling spectroscopy. *Journal of Polymer Science Part A*, **2003**, 41, 3493-3500	2.5	18

114	Orientation and aggregation of hydrophobic helical peptides in phospholipid bilayer membrane. *Biochimica Et Biophysica Acta - Biomembranes*, **1993**, 1150, 1-8	3.8	17
113	Interaction of gramicidin S analogs with lipid bilayer membrane. *International Journal of Peptide and Protein Research*, **1990**, 36, 18-25		16
112	Enhanced Photocurrent Generation by Electron Hopping through Regularly-Arranged Chromophores in a Helical Peptide Monolayer. *Polymer Journal*, **2008**, 40, 700-709	2.7	16
111	Cation recognition by self-assembled monolayers of oriented helical peptides having a crown ether unit. *Biopolymers*, **2000**, 55, 391-8	2.2	16
110	Ion transport through liquid membrane by cyclic octapeptides. *Biopolymers*, **1984**, 23, 563-573	2.2	16
109	Facile and precise formation of unsymmetric vesicles using the helix dipole, stereocomplex, and steric effects of peptides. *Langmuir*, **2014**, 30, 4273-9	4	15
108	Molecular assembly composed of a dendrimer template and block polypeptides through stereocomplex formation. *Chemical Communications*, **2012**, 48, 6181-3	5.8	15
107	Lipid-induced secondary structures and orientations of (Leu5)-enkephalin: helical and crystallographic double-bend conformers revealed by IRATR and molecular modelling. *Journal of Peptide Science*, **1997**, 3, 65-81	2.1	15
106	Selective disruption of each part of Janus molecular assemblies by lateral diffusion of stimuli-responsive amphiphilic peptides. *Chemical Communications*, **2015**, 51, 1601-4	5.8	14
105	Self-assemblies of triskelion A2B-type amphiphilic polypeptide showing pH-responsive morphology transformation. *Langmuir*, **2012**, 28, 6006-12	4	14
104	Radionuclide therapy using nanoparticle of 131I-Lactosome in combination with percutaneous ethanol injection therapy. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	14
103	Electron Hopping over 100 Å Along an α-Helix. *Angewandte Chemie*, **2010**, 122, 1844-1848	3.6	14
102	Effects of cation binding to hydrophobic helical peptides on orientation, aggregation, and ion-channel activity in phospholipid bilayer membranes. *Journal of the Chemical Society Perkin Transactions 1*, **1993**, 3011		14
101	Synthesis and conformation of the cyclic octapeptides cyclo(Phe-Pro)4, cyclo(Leu-Pro)4, and cyclo[Lys(Z)-Pro]4. *Biopolymers*, **1983**, 22, 2191-2206	2.2	14
100	Complex formation with alkali and alkaline earth metal ions of cyclic octapeptides, cyclo(Phe-Pro)4, cyclo(Leu-Pro)4, and cyclo[Lys(Z)-Pro]4. *Biopolymers*, **1983**, 22, 2383-2395	2.2	14
99	Activation of B1a cells in peritoneal cavity by T cell-independent antigen expressed on polymeric micelle. *Journal of Pharmaceutical Sciences*, **2015**, 104, 1839-47	3.9	13
98	Enzymatic activities of novel mutant endoglucanases carrying sequential active sites. *International Journal of Biological Macromolecules*, **2008**, 43, 226-31	7.9	13
97	Formation of gold nanoparticles in microreactor composed of helical peptide assembly in water. *Journal of Colloid and Interface Science*, **2004**, 280, 506-10	9.3	13

96	Four-peptide-nanotube bundle formation by self-assembling of cyclic tetra-peptide using G-quartet motif. *Biopolymers*, **2013**, 100, 141-7	2.2	12
95	Electric Field Effect of Helical Peptide Dipole in Self-Assembled Monolayers on Electronic Structure of Oligo(Phenyleneethynylene). *Journal of Physical Chemistry C*, **2010**, 114, 4669-4674	3.8	12
94	Conformation and complexation with metal ions of cyclic hexapeptides: cyclo (L-Leu-L-Phe-L-Pro)2 and cyclo [L-Cys(Acm)-L-Phe-L-Pro]2. *International Journal of Peptide and Protein Research*, **1989**, 34, 111-7		12
93	Preparation of peptide- and protein-based molecular assemblies and their utilizations as nanocarriers for tumor imaging. *Reactive and Functional Polymers*, **2011**, 71, 272-279	4.6	12
92	Immobilization of His-tagged endoglucanase on gold via various Ni-NTA self-assembled monolayers and its hydrolytic activity. *Macromolecular Bioscience*, **2010**, 10, 1265-72	5.5	12
91	In Situ Fluorescence Spectroscopic Studies of Energy Migration and Energy Transfer in the Monolayer of N-Ethylcarbazole-Containing Amphiphile. *Langmuir*, **1998**, 14, 171-175	4	12
90	Supramolecular systems composed of helical peptides. *Supramolecular Science*, **1996**, 3, 13-18		12
89	Electronic properties of tetrathiafulvalene-modified cyclic-peptide nanotube. *Biopolymers*, **2016**, 106, 275-82	2.2	12
88	Chirally twisted oligo(phenyleneethynylene) by cyclization with alpha-helical peptide. *Journal of Organic Chemistry*, **2009**, 74, 3462-8	4.2	11
87	Multilayer formation of oriented helical peptides glued by hydrogen bonding. *Thin Solid Films*, **2001**, 393, 59-65	2.2	11
86	Phase-Separated Molecular Assembly of a Nanotube Composed of Amphiphilic Polypeptides Having a Helical Hydrophobic Block. *ACS Omega*, **2018**, 3, 7158-7164	3.9	10
85	Enzymatic polymerization catalyzed by immobilized endoglucanase on gold. *Biomacromolecules*, **2011**, 12, 785-90	6.9	10
84	A novel polypseudorotaxane composed of cyclic beta-peptide as bead component. *Chemical Communications*, **2007**, 1023-5	5.8	10
83	Unique Helical Triangle Molecular Geometry Induced by Dipole–Dipole Interactions. *Bulletin of the Chemical Society of Japan*, **2007**, 80, 1483-1491	5.1	10
82	Photocurrent Generation by the Self-Assembled Monolayers Integrating a Photoenergy-Harvesting System and an Electron-Transport System of Helical Peptide. *Chemistry Letters*, **2000**, 29, 676-677	1.7	10
81	Reduced immune response to polymeric micelles coating sialic acids. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 4976-4982	2.9	10
80	Modulation of Band Bending of Gallium Arsenide with Oriented Helical Peptide Monolayers. *Journal of Physical Chemistry C*, **2010**, 114, 22677-22683	3.8	9
79	Synthesis and interaction with metal ions of cyclic oligopeptides bearing carboxyl groups. *International Journal of Peptide and Protein Research*, **1989**, 34, 104-10		9

78	Binding of enkephalin/dextran conjugates to opioid receptors. *International Journal of Peptide and Protein Research*, **1994**, 43, 219-24		9
77	Temperature-Induced Phase Separation in Molecular Assembly of Nanotubes Comprising Amphiphilic Polypeptoid with Poly(N-ethyl glycine) in Water by a Hydrophilic-Region-Driven-Type Mechanism. *Journal of Physical Chemistry B*, **2018**, 122, 7178-7184	3.4	9
76	Cyclic hexapeptides bearing carboxyl groups. *International Journal of Peptide and Protein Research*, **2009**, 34, 97-103		8
75	Surface potential generation by helical peptide monolayers and multilayers on gold surface. *Proceedings of the Japan Academy Series B: Physical and Biological Sciences*, **1999**, 75, 287-290	4	8
74	Ca2+ binding cyclic octapeptides having an alternating Sar and a hydrophobic amino acid in the sequence. *Biopolymers*, **1989**, 28, 1235-46	2.2	8
73	Peptide nanotube aligning side chains onto one side. *Journal of Peptide Science*, **2016**, 22, 391-6	2.1	8
72	Inflammation-induced synergetic enhancement of nanoparticle treatments with DOXIL and 90Y-Lactosome for orthotopic mammary tumor. *Journal of Nanoparticle Research*, **2016**, 18, 1	2.3	8
71	Piezoelectric property of bundled peptide nanotubes stapled by bis-cyclic-peptide. *Journal of Peptide Science*, **2019**, 25, e3134	2.1	8
70	Chiral and random arrangements of flavin chromophores along cyclic peptide nanotubes on gold influencing differently on surface potential and piezoelectricity.. *RSC Advances*, **2019**, 9, 3618-3624	3.7	7
69	Anodic Photocurrent Generation by Porphyrin-Terminated Helical Peptide Monolayers on Gold. *Journal of Physical Chemistry C*, **2015**, 119, 8054-8061	3.8	7
68	Synthesis of type 2 Lewis antigens via novel regioselective glycosylation of an orthogonally protected lactosamine diol derivative. *Carbohydrate Research*, **2016**, 422, 34-44	2.9	7
67	Solid tumor-targeting theranostic polymer nanoparticle in nuclear medicinal fields. *Scientific World Journal, The*, **2014**, 2014, 424513	2.2	7
66	Receptor selectivity of enkephalin analogs carrying artificial address peptides. *International Journal of Peptide and Protein Research*, **1990**, 35, 550-6		7
65	Dipole effects on molecular and electronic structures in a novel conjugate of oligo(phenyleneethynylene) and helical peptide. *Physical Chemistry Chemical Physics*, **2009**, 11, 3967-76	3.6	7
64	Fully Hydrophobic Artificial Protein but Water Dispersible due to Large Dipole. *Polymer Journal*, **2006**, 38, 381-386	2.7	7
63	Foldamer for novel peptide derivatives with pyrene units incorporated into the main chain. *Science and Technology of Advanced Materials*, **2006**, 7, 544-551	7.1	7
62	Synthesis of glycosaminoglycans via enzymatic polymerization. *Journal of Polymer Science Part A*, **2003**, 41, 3541-3548	2.5	7
61	Formation and electronic properties of two-dimensional PbS nanostructure composed of an helical peptide/crown ether conjugate. *Thin Solid Films*, **2005**, 479, 261-268	2.2	7

60	Peptide Self-Assembly in Phospholipid Bilayer Membrane.. *Proceedings of the Japan Academy Series B: Physical and Biological Sciences*, **1992**, 68, 121-126	4	7
59	Two one-dimensional arrays of naphthyl and anthryl groups along peptide nanotubes prepared from cyclic peptides comprising □and □amino acids. *Soft Matter*, **2018**, 14, 7597-7604	3.6	7
58	Immune activation with peptide assemblies carrying Lewis y tumor-associated carbohydrate antigen. *Journal of Peptide Science*, **2017**, 23, 189-197	2.1	6
57	The effect of macrodipole orientation on the piezoelectric response of cyclic □peptide nanotube bundles on gold substrates. *Polymer Journal*, **2019**, 51, 601-609	2.7	6
56	Osmotic-shock-resistant Vesicle Comprising Interdigitated Monolayer of Block Polypeptides. *Chemistry Letters*, **2018**, 47, 726-728	1.7	6
55	O2-Triggered Directional Switching of Photocurrent in Self-Assembled Monolayer Composed of Porphyrin- and Fullerene-Terminated Helical Peptides on Gold. *Journal of Physical Chemistry C*, **2016**, 120, 3684-3689	3.8	6
54	Nickel coating on peptide nanotubes by electroless plating. *Thin Solid Films*, **2012**, 520, 1837-1841	2.2	6
53	Vertical orientation with a narrow distribution of helical peptides immobilized on a quartz substrate by stereocomplex formation. *Soft Matter*, **2012**, 8, 3387	3.6	6
52	Preparation of fibrous cellulose by enzymatic polymerization using cross-linked mutant endoglucanase II. *Chemical Communications*, **2011**, 47, 10127-9	5.8	6
51	Incorporation of hydrophobic helix-bundle peptides into lipid bilayer membranes facilitated by a peptide-umbrella structure. *Chemical Communications*, **1998**, 363-364	5.8	6
50	Photoresponsive Change of the Surface Potential Generated by Helical Peptide Self-Assembled Monolayers. *Polymer Journal*, **2005**, 37, 599-607	2.7	6
49	Tuning the Viscoelasticity of Peptide Vesicles by Adjusting Hydrophobic Helical Blocks Comprising Amphiphilic Polypeptides. *Langmuir*, **2017**, 33, 5423-5429	4	5
48	Electronic Properties of Cyclic □Peptide Nanotube Bundles Reflecting Structural Arrangement. *Chemistry Letters*, **2019**, 48, 322-324	1.7	5
47	Precise control of nanoparticle surface by host□guest chemistry for delivery to tumor. *RSC Advances*, **2015**, 5, 35346-35351	3.7	5
46	Flexible Modulation of Electronic Band Structures of Wide Band Gap GaN Semiconductors Using Bioinspired, Nonbiological Helical Peptides. *Advanced Functional Materials*, **2018**, 28, 1704034	15.6	5
45	Control of in vivo disposition and immunogenicity of polymeric micelles by adjusting poly(sarcosine) chain lengths on surface. *Journal of Nanoparticle Research*, **2017**, 19, 1	2.3	5
44	Opioid receptor affinity of multivalent ligand system consisting of polymerized liposome. *International Journal of Peptide and Protein Research*, **1996**, 48, 95-101		5
43	Preparation and functions of self-assembled monolayers of helix peptides. *Journal of Polymer Science Part A*, **2000**, 38, 4826-4831	2.5	5

42	Cell interactions of enkephalin/polypeptide conjugates. *Journal of Molecular Recognition*, **1991**, 4, 35-41	2.6	5
41	Ca2+ transport through lipid membrane by diastereomer cyclic octapeptides. *Biopolymers*, **1989**, 28, 1247-57	2.2	5
40	A Novel Chemoenzymatic Synthesis of Sulfated Type 2 Tumor-Associated Carbohydrate Antigens by Transglycosylation of Sulfated Lewis X Oxazoline Catalyzed by Keratanase II. *ChemBioChem*, **2016**, 17, 1879-1886	3.8	5
39	Unsymmetric vesicles with a different design on each side for near-infrared fluorescence imaging of tumor tissues. *RSC Advances*, **2015**, 5, 14697-14703	3.7	4
38	Polymeric Micelle of AB-Type Lactosome as a Vehicle for Targeting Meningeal Dissemination. *Nanomaterials*, **2018**, 8,	5.4	4
37	Modulation of immunogenicity of poly(sarcosine) displayed on various nanoparticle surfaces due to different physical properties. *Journal of Peptide Science*, **2017**, 23, 889-898	2.1	4
36	Oligo(phenyleneethynylene) as a molecular lead for STM measurement of single molecule conductance of a helical peptide. *Chemical Physics Letters*, **2011**, 508, 281-284	2.5	4
35	Photoenergy Migration and Hole Transfer in a Bilayer Membrane Composed of Amphiphilic Compounds Carrying anN-Ethylcarbazolyl Group. *Journal of Physical Chemistry B*, **1997**, 101, 4536-4538	3.4	4
34	Influence of subphase on the orientation of helical peptides at interface. *Polymer*, **2002**, 43, 3533-3540	3.9	4
33	Fusion and fission of molecular assemblies of amphiphilic polypeptides generating small vesicles from nanotubes. *Biopolymers*, **2017**, 108, e22903	2.2	3
32	Engineering pH-responsive switching of donor-acceptor chromophore alignments along a peptide nanotube scaffold.. *RSC Advances*, **2020**, 10, 3588-3592	3.7	3
31	Photocurrent generation by helical peptide monolayers integrating light harvesting and charge-transport functions. *Biopolymers*, **2013**, 100, 1-13	2.2	3
30	Photocurrent Generation by Self-assembled Monolayers of Helical Peptides Carrying Naphthyl Groups and Ferrocene Unit as Hopping Sites. *Chemistry Letters*, **2009**, 38, 126-127	1.7	3
29	Spontaneous Assembly Formation of Cyclic Dimer of Amino Acid in Water. *Chemistry Letters*, **2004**, 33, 810-811	1.7	3
28	Multivalent ligand system carrying enkephalin and neurotensin coimmobilized on liposomes. *Journal of Peptide Science*, **1996**, 2, 245-51	2.1	3
27	A Novel Surface Modification and Immobilization Method of Anti-CD25 Antibody on Nonwoven Fabric Filter Removing Regulatory T Cells Selectively. *ACS Omega*, **2020**, 5, 772-780	3.9	3
26	Prevailing Photocurrent Generation of D-A Type Oligo(phenyleneethynylene) in Contact with Gold over Dexter-Type Energy-Transfer Quenching. *Journal of Physical Chemistry A*, **2016**, 120, 1190-6	2.8	3
25	Reaction specificity of keratanase II in the transglycosylation using the sugar oxazolines having keratan sulfate repeating units. *Carbohydrate Research*, **2018**, 456, 61-68	2.9	3

24	Compartmentalized host spaces accommodating guest aromatic molecules in a chiral way in a helix-peptide-aromatic framework. *Chemical Communications*, **2018**, 54, 12483-12486	5.8	3
23	Synthesis of Polysaccharides I: Hydrolase as Catalyst. *Green Chemistry and Sustainable Technology*, **2019**, 15-46	1.1	2
22	Enzymatic Polymerization to Cellulose by Crosslinked Enzyme Immobilized on Gold Solid Surface. *Chemistry Letters*, **2012**, 41, 37-38	1.7	2
21	Azobenzene–Helical Peptide Conjugate: Electronic Structure and Photoisomerization in Solution and on Surface. *Chemistry Letters*, **2008**, 37, 702-703	1.7	2
20	Construction and Piezoelectric Properties of a Single-Peptide Nanotube Composed of Cyclic Peptides with Helical Peptides on the Side Chains. *Biomacromolecules*, **2021**, 22, 2815-2821	6.9	2
19	Immune responses against Lewis Y tumor-associated carbohydrate antigen displayed densely on self-assembling nanocarriers. *Organic and Biomolecular Chemistry*, **2018**, 16, 8095-8105	3.9	2
18	Effect of oscillation dynamics on long-range electron transfer in a helical peptide monolayer. *Physical Chemistry Chemical Physics*, **2018**, 20, 15216-15222	3.6	2
17	Selective Cell Capture and Release Using Antibody-Immobilized Polymer-Grafted Surface. *Kobunshi Ronbunshu*, **2018**, 75, 155-163	0	2
16	Sterical Recognition at Helix-Helix Interface of Leu-Aib-Based Polypeptides with and without a GxxxG-Motif. *Langmuir*, **2019**, 35, 7249-7254	4	1
15	Primary to quaternary structures of molecular assemblies. *Polymer Journal*, **2019**, 51, 739-751	2.7	1
14	Accordion-like Oscillation Mode of Helical Peptides Analyzed by Terahertz Time-domain Spectroscopy. *Chemistry Letters*, **2017**, 46, 1576-1579	1.7	1
13	Development of Novel Inhibitors Specific for Human Heparanase-1. *Chemistry Letters*, **2013**, 42, 797-798	1.7	1
12	Synthesis of a Heparan Sulfate Disaccharide Fluoride for Detection of Heparanase Activity. *Chemistry Letters*, **2013**, 42, 1168-1169	1.7	1
11	Long-Range Electron Transfer through Self-Assembled Monolayers Composed of Helical Peptides Carrying a Ferrocene Unit at the Terminal. *Kobunshi Ronbunshu*, **2009**, 66, 406-418	0	1
10	Architecture of Peptide Assembly in Liposome. *Journal of Liposome Research*, **1993**, 3, 805-816	6.1	1
9	Synthesis and Cell Adhesion of Poly(Arg-Gly-Asp-Ser-Pro).. *Proceedings of the Japan Academy Series B: Physical and Biological Sciences*, **1995**, 71, 299-303	4	1
8	Piezoelectric properties reflecting nanostructures of tetrathiafulvalene and chloranil complexes using cyclic peptide nanotube scaffolds. *Peptide Science*, **2021**, 113, e24192	3	1
7	Joining Nanotubes Comprising Nucleobase-carrying Amphiphilic Polypeptides. *Chimia*, **2018**, 72, 842-847	1.3	1

6	Functionality of Polypeptide by Induction of Specific Tertiary Structure. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **1997**, 34, 2073-2084	2.2	0
5	Molecular Architecture with Peptide Assembling for Nanomaterials **2013**, 149-170		
4	Conformational properties and metal ion transport by synthetic cyclic octapeptide cyclo(D-Leu-L-Pro)4. *International Journal of Peptide and Protein Research*, **2009**, 34, 14-20		
3	Generation of a strong dipole layer and its function by using helical peptide molecular assemblies **2003**, 253-267		
2	Peptide Membrane Displaying Membrane Fusion and Fission with Lipid□Raft□like Organization. *Membrane*, **2017**, 42, 84-89	0	
1	PET Imaging Utilizing 89Zr-labeled Human Antibody Variant and Theranostic Technologies Provided by a Novel DDS Carrier. *Drug Delivery System*, **2018**, 33, 214-222	0	