Hisakazu Mihara

List of Publications by Year
in descending order

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234	5,089	87888	138484
papers	citations	38 h-index	58 g-index

243	243	243	4776
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Peptide and Protein Mimetics Inhibiting Amyloid Î²-Peptide Aggregation. Accounts of Chemical Research, 2008, 41, 1309-1318.	15.6	215
2	Protein-Detecting Microarrays: Current Accomplishments and Requirements. ChemBioChem, 2005, 6, 782-799.	2.6	166
3	Label and Label-Free Detection Techniques for Protein Microarrays. Microarrays (Basel, Switzerland), 2015, 4, 228-244.	1.4	148
4	Binding of Cationic Î±-Helical Peptides to Plasmid DNA and Their Gene Transfer Abilities into Cells. Journal of Biological Chemistry, 1997, 272, 15307-15312.	3.4	141
5	Peptide and protein synthesis by segment synthesis-condensation. Science, 1989, 243, 187-192.	12.6	118
6	Desiccation-Induced Structuralization and Glass Formation of Group 3 Late Embryogenesis Abundant Protein Model Peptides. Biochemistry, 2010, 49, 1093-1104.	2.5	102
7	Construction of a Protein-Detection System Using a Loop Peptide Library with a Fluorescence Label. Chemistry and Biology, 2003, 10, 53-60.	6.0	83
8	Self-Assembling Peptides as Building Blocks of Functional Materials for Biomedical Applications. Bulletin of the Chemical Society of Japan, 2019, 92, 391-399.	3.2	83
9	Effects of Synthetic Model Peptides Resembling the Extension Peptides of Mitochondrial Enzyme Precursors on Import of the Precursors into Mitochondria1. Journal of Biochemistry, 1985, 98, 1571-1582.	1.7	82
10	Relationship between antimicrobial activity and amphiphilic property of basic model peptides. Biochimica Et Biophysica Acta - Biomembranes, 1986, 862, 211-219.	2.6	82
11	Engineering peptides and proteins that undergo Î±-to-Î² transitions. Current Opinion in Structural Biology, 1997, 7, 501-508.	5.7	74
12	Fabrication of Nanofibers with Uniform Morphology by Self-Assembly of Designed Peptides. Chemistry - A European Journal, 2004, 10, 2789-2794.	3.3	71
13	Novel Peptides Bearing Pyrene and Coumarin Units with or without Î²-Cyclodextrin in Their Side Chains Exhibit Intramolecular Fluorescence Resonance Energy Transfer. Journal of the American Chemical Society, 2003, 125, 11178-11179.	13.7	70
14	Design of a Peptide Undergoing Î±-Î² Structural Transition and Amyloid Fibrillogenesis by the Introduction of a Hydrophobic Defect. Chemistry - A European Journal, 1998, 4, 2475-2484.	3.3	65
15	Alizarin Yellow-Modified Î²-Cyclodextrin as a Guest-Responsive Absorption Change Sensor. Analytical Chemistry, 1997, 69, 659-663.	6.5	64
16	A chemically synthesized Antennapedia homeo domain binds to a specific DNA sequence. Science, 1988, 242, 925-927.	12.6	62
17	RNA aptamers selected against amyloid Î²-peptide (AÎ²) inhibit the aggregation of AÎ². Molecular BioSystems, 2009, 5, 986.	2.9	62
18	Optimization of Hydrophobic Domains in Peptides that Undergo Transformation from Î±-Helix to Î²-Fibril. Bioorganic and Medicinal Chemistry, 1999, 7, 177-185.	3.0	59

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19	a high-throughput screening utilizing intramolecular fluorescence resonance energy transfer for the discovery of the molecules that bind hiv-1 tar rna specifically. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 1857-1861.	2.2	59
20	Construction ofÎ±-Helix Peptides withÎ²-Cyclodextrin and Dansyl Units and Their Conformational and Molecular Sensing Properties. Chemistry - A European Journal, 2000, 6, 1781-1788.	3.3	54
21	Construction of a chemically and conformationally self-replicating system of amyloid-like fibrils. Bioorganic and Medicinal Chemistry, 2004, 12, 693-699.	3.0	54
22	Cell penetration and cell-selective drug delivery using Î±-helix peptides conjugated with gold nanoparticles. Biomaterials, 2013, 34, 4872-4879.	11.4	54
23	Sequence dependence in solid-phase-synthesis-cyclization-cleavage for Cyclo(-arginyl-glycyl-aspartyl-phenylglycyl-). Tetrahedron Letters, 1992, 33, 1479-1482.	1.4	50
24	Mutational analysis of designed peptides that undergo structural transition from Î± helix to Î² sheet and amyloid fibril formation. Structure, 2000, 8, 915-925.	3.3	49
25	Phosphate-Mediated Molecular Memory Driven by Two Different Protein Kinases as Information Input Elements. Journal of the American Chemical Society, 2007, 129, 8345-8352.	13.7	49
26	Effects of Group 3 LEA protein model peptides on desiccation-induced protein aggregation. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 891-897.	2.3	49
27	Proteinâ€“protein interactions and selection: arrayâ€based techniques for screening diseaseâ€associated biomarkers in predictive/early diagnosis. FEBS Journal, 2010, 277, 1996-2005.	4.7	48
28	Construction of a protein array on amyloid-like fibrils using co-assembly of designed peptides. Chemical Communications, 2004, , 2876.	4.1	47
29	Multipeptide-Metalloporphyrin Assembly on a Dendrimer Template and Photoinduced Electron Transfer Based on the Dendrimer Structure. Chemistry - A European Journal, 2001, 7, 2449-2458.	3.3	46
30	Construction of biotinylated peptide nanotubes for arranging proteins. Molecular BioSystems, 2005, 1, 146.	2.9	46
31	Cell-selective intracellular drug delivery using doxorubicin and Î±-helical peptides conjugated to gold nanoparticles. Biomaterials, 2014, 35, 3480-3487.	11.4	46
32	Construction of Î±-helical peptide dendrimers conjugated with multi-metalloporphyrins: photoinduced electron transfer on dendrimer architecture. Chemical Communications, 2000, , 1741-1742.	4.1	43
33	Amyloid Architecture: Complementary Assembly of Heterogeneous Combinations of Three or Four Peptides into Amyloid Fibrils. ChemBioChem, 2002, 3, 637.	2.6	41
34	Peptide arrays with designed secondary structures for protein characterization using fluorescent fingerprint patterns. Biopolymers, 2004, 76, 129-139.	2.4	41
35	Construction of multi-functional extracellular matrix proteins that promote tube formation of endothelial cells. Biomaterials, 2008, 29, 2977-2986.	11.4	41
36	Design and synthesis of basic peptides having amphipathic Î²-structure and their interaction with phospholipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1022, 237-244.	2.6	40

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37	Cell-adhesive hydrogels composed of peptide nanofibers responsive to biological ions. Polymer Journal, 2012, 44, 651-657.	2.7	40
38	Peptides as New Smart Bionanomaterials: Molecularâ€Recognition and Selfâ€Assembly Capabilities. Chemical Record, 2013, 13, 172-186.	5.8	40
39	Peptide arrays with designed Î±-helical structures for characterization of proteins from FRET fingerprint patterns. Molecular Diversity, 2004, 8, 209-218.	3.9	39
40	Fluorescence resonance energy transfer in a novel cyclodextrinâ€“Peptide conjugate for detecting steroid molecules. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 4305-4308.	2.2	38
41	Affinity-Based Screening of Peptides Recognizing Assembly States of Self-Assembling Peptide Nanomaterials. Journal of the American Chemical Society, 2009, 131, 14434-14441.	13.7	38
42	Design of peptides undergoing self-catalytic Î±-to-Î² transition and amyloidogenesis. , 1998, 47, 83-92.		37
43	Guest-Induced Diminishment in Fluorescence Quenching and Molecule Sensing Ability of A Novel Cyclodextrinâ˜Peptide Conjugate. Journal of the American Chemical Society, 2001, 123, 7435-7436.	13.7	37
44	Complementary Nucleobase Interaction Enhances Peptide-Peptide Recognition and Self-Replicating Catalysis. Chemistry - A European Journal, 2003, 9, 4829-4837.	3.3	37
45	A novel peptide microarray for protein detection and analysis utilizing a dry peptide array system. Molecular BioSystems, 2006, 2, 113-121.	2.9	37
46	A monosaccharide-modified peptide phage library for screening of ligands to carbohydrate-binding proteins. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4940-4943.	2.2	37
47	Peptide Design Based on an Antibody Complementarity-Determining Region (CDR): Construction of Porphyrin-Binding Peptides and Their Affinity Maturation by a Combinatorial Method. Chemistry - A European Journal, 2000, 6, 3196-3203.	3.3	36
48	FRET detection of amyloid Î²-peptide oligomerization using a fluorescent protein probe presenting a pseudo-amyloid structure. Chemical Communications, 2012, 48, 1568-1570.	4.1	34
49	Photoinduced hydrogen evolution with peptide dendrimer-multi-Zn(II)-porphyrin, viologen, and hydrogenase. Biopolymers, 2001, 59, 103-109.	2.4	33
50	Soft materials based on designed self-assembling peptides: from design to application. Molecular BioSystems, 2013, 9, 609.	2.9	33
51	Design and synthesis of a polypeptide containing 1-pyrenylalanines as fluorescent probe for four Î±-Helix bundle structure. Tetrahedron Letters, 1992, 33, 5767-5770.	1.4	32
52	Construction of Peptides That Undergo Structural Transition from Î±-Helix to Î²-Sheet and Amyloid Fibril Formation by the Introduction of N-Terminal Hydrophobic Amino Acids. Tetrahedron, 2000, 56, 7011-7018.	1.9	31
53	Heterogeneous Assembly of Complementary Peptide Pairs into Amyloid Fibrils with Î±-Î² Structural Transition. ChemBioChem, 2001, 2, 75-79.	2.6	30
54	Anomalous reflection of gold applicable for a practical protein-detecting chip platform. Molecular BioSystems, 2005, 1, 363.	2.9	29

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55	Interaction of amphiphilic Î±-helical cell-penetrating peptides with heparan sulfate. Organic and Biomolecular Chemistry, 2014, 12, 4673.	2.8	29
56	Association of Î±-helix peptides that have Î³-cyclodextrin and pyrene units in their side chain, and induction of dissociation of the association dimer by external stimulant molecules. Perkin Transactions II RSC, 2000, , 1527-1533.	1.1	28
57	Design of Peptides That Form Amyloidâ€Like Fibrils Capturing Amyloid Î²1â€“42 Peptides. Chemistry - A European Journal, 2007, 13, 7745-7752.	3.3	28
58	Hybrid Hydrogels Composed of Regularly Assembled Filamentous Viruses and Gold Nanoparticles. ACS Macro Letters, 2014, 3, 341-345.	4.8	27
59	Î´ and Î¼ opiate receptor probes: fluorescent enkephalins with high receptor affinity and specificity. FEBS Letters, 1985, 193, 35-38.	2.8	26
60	Construction of peptides with nucleobase amino acids. Bioorganic and Medicinal Chemistry, 2001, 9, 991-1000.	3.0	26
61	Interactions between peptides containing nucleobase amino acids and T7 phages displayingS. cerevisiae proteins. Biopolymers, 2007, 88, 131-140.	2.4	26
62	Poly(amidoamine)-Dendrimer-Modified Gold Surfaces for Anomalous Reflection of Gold To Detect Biomolecular Interactions. Langmuir, 2009, 25, 3667-3674.	3.5	26
63	Design and Synthesis of Amphiphilic Basic Peptides with Antibacterial Activity and Their Interaction with Model Membrane. Bulletin of the Chemical Society of Japan, 1987, 60, 697-706.	3.2	25
64	Sequence Dependent Cyclization-Cleavage of Dipeptides from the Oxime Resin and Its Prevention. Bulletin of the Chemical Society of Japan, 1992, 65, 991-994.	3.2	25
65	Effects of amino acids substitution of hydrophobic residues on haem-binding properties of designed two-Î±-helix peptides. Journal of the Chemical Society Perkin Transactions II, 1999, , 2059-2069.	0.9	24
66	A novel fluorescence sensing system using a photochromism-based assay (P-CHROBA) technique for the detection of target proteins. Journal of Materials Chemistry, 2005, 15, 2732.	6.7	24
67	Protein-fingerprint data mining of a designed Î±-helical peptide array. Molecular BioSystems, 2006, 2, 417-420.	2.9	24
68	Screening of Î±-helical peptide ligands controlling a calcineurin-phosphatase activity. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 167-171.	2.2	24
69	The spectroscopic analysis for binding of amphipathic and antimicrobial model peptides containing pyrenylalanine and tryptophan to lipid bilayer. Biochimica Et Biophysica Acta - Biomembranes, 1989, 984, 174-182.	2.6	23
70	A Membrane Protein Model: Polypeptides with FourÎ±-Helix Bundle Structure on 5,10,15,20-Tetrakis[2-(carboxymethoxy)phenyl]porphyrin. Bulletin of the Chemical Society of Japan, 1995, 68, 1989-1998.	3.2	23
71	Interaction of Î±â€helical peptides with phospholipid membrane: effects of chain length and hydrophobicity of peptides. Chemical Biology and Drug Design, 1998, 51, 103-109.	1.1	23
72	Synthesis of [D-Pyrenylalanine4,4â€²]gramicidin S by Solid-Phase-Synthesis and Cyclization-Cleavage Method with Oxime Resin. Chemistry Letters, 1992, 21, 191-194.	1.3	22

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73	A Designed Glycopeptide Array for Characterization of Sugar-Binding Proteins Toward a Glycopeptide Chip Technology. Nanobiotechnology, 2005, 1, 191-200.	1.2	22
74	Dense surface functionalization using peptides that recognize differences in organized structures of self-assembling nanomaterials. Molecular BioSystems, 2012, 8, 1264.	2.9	22
75	Systematic screening of the cellular uptake of designed alpha-helix peptides. Bioorganic and Medicinal Chemistry, 2013, 21, 2560-2567.	3.0	22
76	A Hybrid of Amphiphilic Î±-Helical Peptides andmeso-Tetra(Î±,Î±,Î±,Î±-o-carboxyphenyl)porphyrin. Membrane-Penetrating Porphyrin-4Î±-Helix Artificial Protein. Chemistry Letters, 1992, 21, 1805-1808.	1.3	21
77	Design of novel porphyrin-binding peptides based on antibody CDR. Bioorganic and Medicinal Chemistry Letters, 1998, 8, 2023-2026.	2.2	21
78	Binding Modes of the Precursor of Adenovirus Major Core Protein VII to DNA and Template Activating Factor I:Â Implication for the Mechanism of Remodeling of the Adenovirus Chromatinâ€. Biochemistry, 2006, 45, 303-313.	2.5	21
79	A New Optical Label-Free Biosensing Platform Based on a Metalâ^'Insulatorâ^'Metal Structure. Langmuir, 2010, 26, 6053-6057.	3.5	21
80	Chiral Assembly of Porphyrins Regulated by AmphiphilicÎ±-Helix Peptides. Chemistry Letters, 1996, 25, 1-2.	1.3	20
81	A pair of pyrene groups as a conformational probe for antiparallel Î²-sheet structure formed in cyclic peptides. Journal of the Chemical Society Perkin Transactions II, 1997, , 517-522.	0.9	20
82	Double Naphthalene-Tagged Cyclodextrin-Peptide Capable of Exhibiting Guest-Induced Naphthalene Excimer Fluorescence. Macromolecular Rapid Communications, 2002, 23, 11-15.	3.9	20
83	Embedding the Amyloid Î²-Peptide Sequence in Green Fluorescent Protein Inhibits AÎ² Oligomerization. ChemBioChem, 2007, 8, 985-988.	2.6	20
84	Gold nanoparticles conjugated with monosaccharide-modified peptide for lectin detection. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 6825-6827.	2.2	20
85	Design, synthesis and peroxidase-like activity of 3Î±-helix proteins covalently bound to heme. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 2719-2722.	2.2	19
86	Rate enhancement and enantioselectivity in ester hydrolysis catalysed by cyclodextrinâ€“peptide hybrids. Perkin Transactions II RSC, 2000, , 1813-1818.	1.1	19
87	Enantioselective ester hydrolysis catalyzed by Î²-cyclodextrin conjugated with Î²-hairpin peptides. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 723-726.	2.2	19
88	A PNAâ€“DNA hybridization chip approach for the detection of Î²-secretase activity. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 503-506.	2.2	19
89	Critical current characteristics in MgB2 bulks. Physica C: Superconductivity and Its Applications, 2006, 445-448, 474-477.	1.2	18
90	Structure and property of model peptides of proline/arginineâ€rich region in bactenecin 5. Chemical Biology and Drug Design, 1998, 51, 337-345.	1.1	18

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91	Synthesis of the 60 amino acid homeo domain and smaller fragments of the Drosophila gene regulatory protein Antennapedia by a segment synthesis-condensation approach. Journal of Organic Chemistry, 1993, 58, 2209-2215.	3.2	17
92	Artificial Membrane Protein Functionalized with Electron Transfer System. Chemistry Letters, 1996, 25, 187-188.	1.3	17
93	Haem binding and catalytic activity of two-Î±-helix peptide annealed by trifluoroethanol. Chemical Communications, 1997, , 1221-1222.	4.1	17
94	Design and synthesis of haem-binding peptides. Relationship between haem-binding properties and catalytic activities. Journal of the Chemical Society Perkin Transactions II, 1998, , 2395-2404.	0.9	17
95	Cyclodextrinâ€“peptide hybrid as a hydrolytic catalyst having multiple functional groups. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 741-743.	2.2	17
96	Synthesis and atomic force microscopy observations of the single-peptide nanotubes and their micro-order assemblies. Physical Review B, 2002, 66, .	3.2	17
97	Sensing Behavior of Fluorescent Cyclodextrin/Peptide Hybrids Bearing a Macrocyclic Metal Complex. Macromolecular Rapid Communications, 2003, 24, 202-206.	3.9	17
98	Rational design of amyloid Î² peptideâ€“binding proteins: Pseudoâ€Aβ Î²â€sheet surface presented in green fluorescent protein binds tightly and preferentially to structured Aβ. Proteins: Structure, Function and Bioinformatics, 2010, 78, 336-347.	2.6	17
99	A novel array format for monitoring cellular uptake using a photo-cleavable linker for peptide release. Chemical Communications, 2013, 49, 6394.	4.1	17
100	A Designed Peptide Chip: Protein Fingerprinting Technology with a Dry Peptide Array and Statistical Data Mining. Methods in Molecular Biology, 2009, 570, 273-284.	0.9	17
101	Metal-triggered Nanofiber Formation of His-containing Î²-Sheet Peptide. Supramolecular Chemistry, 2006, 18, 397-403.	1.2	16
102	A peptide release system using a photo-cleavable linker in a cell array format for cell-toxicity analysis. Polymer Journal, 2013, 45, 535-539.	2.7	16
103	Construction of a Stapled Î±-Helix Peptide Library Displayed on Phage for the Screening of Galectin-3-Binding Peptide Ligands. ACS Omega, 2020, 5, 5666-5674.	3.5	16
104	Rational design of homogenous protein kinase assay platforms that allow both fluorometric and colorimetric signal readouts. Molecular BioSystems, 2006, 2, 580.	2.9	15
105	Membrane interaction of synthetic peptides related to the putative fusogenic region of PHâ€30Î±, a protein in spermâ€egg fusion. Chemical Biology and Drug Design, 1997, 49, 563-569.	1.1	15
106	Selfâ€assembling peptide nanofibers promoting cell adhesion and differentiation. Biopolymers, 2013, 100, 731-737.	2.4	15
107	Osteoblastic differentiation on hydrogels fabricated from Ca2+-responsive self-assembling peptides functionalized with bioactive peptides. Bioorganic and Medicinal Chemistry, 2018, 26, 3126-3132.	3.0	15
108	Nucleobase Amino Acids Incorporated into the HIV-1 Nucleocapsid Protein Increased the Binding Affinity and Specificity for a Hairpin RNA. ChemBioChem, 2002, 3, 543.	2.6	14

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109	De Novo Design of Peptides withÎ-Î±-Nucleobase Amino Acids and Their Binding Properties to the P22 boxB RNA and Its Mutants. Bioconjugate Chemistry, 2004, 15, 694-698.	3.6	14
110	Selection and structural analysis of de novo proteins from an Î±3Î²3 genetic library. Protein Science, 2009, 18, 384-398.	7.6	14
111	Cell differentiation on diskâ€•and stringâ€shaped hydrogels fabricated from Ca²⁺â€responsive selfâ€assembling peptides. Biopolymers, 2016, 106, 476-483.	2.4	14
112	Super-Secondary Structure with AmphiphilicÎ²-Strands Probed by Pyrenylalanine. Chemistry Letters, 1995, 24, 965-966.	1.3	13
113	Guest-responsive excimer emission in an Î±-helix peptide bearing Î³-cyclodextrin and two naphthalene units. Macromolecular Rapid Communications, 2000, 21, 485-488.	3.9	13
114	Design of a nucleobase-conjugated peptide that recognizes HIV-1 RRE IIB RNA with high affinity and specificity. Chemical Communications, 2000, , 349-350.	4.1	13
115	Sensitive Detection of Small Moleculeâ€“Protein Interactions on a Metalâ€“Insulatorâ€“Metal Labelâ€Free Biosensing Platform. Chemistry - an Asian Journal, 2012, 7, 1867-1874.	3.3	13
116	Tyr1-substituted and fluorescent Pya1-enkephalins bind strongly and selectively to Î¼ and Î´ opiate receptors. Biochemical and Biophysical Research Communications, 1986, 136, 1170-1176.	2.1	12
117	Hexafluoroisopropyl Alcohol is a Useful Cosolvent with Dimethylformamide for Tryptic Synthesis of Peptides. Chemistry Letters, 1992, 21, 327-330.	1.3	12
118	Induced circular dichroism of atropisomeric porphyrins by combined amino acid residues. Journal of the Chemical Society Chemical Communications, 1992, , 692.	2.0	12
119	Design and synthesis of flavin-conjugated peptides and assembly on a gold electrode. Journal of the Chemical Society Perkin Transactions II, 1996, , 2319.	0.9	12
120	Regulation of Î±/Î²-folding of a designed peptide by haem binding. Chemical Communications, 1999, , 1111-1112.	4.1	12
121	Design and synthesis of 3?-helix peptides forming a cavity for a fluorescent ligand. Biopolymers, 2001, 59, 65-71.	2.4	12
122	Theoretical Prediction and Atomic Force Microscope Observations of the Protein Nanotube Consisting of Homo-L-Amino Acid Penta-Peptide Nanorings. Japanese Journal of Applied Physics, 2003, 42, 676-679.	1.5	12
123	Construction and Control of Self-Assembly of Amyloid and Fibrous Peptides. Bulletin of the Chemical Society of Japan, 2005, 78, 572-590.	3.2	12
124	A chromism-based assay (CHROBA) technique for in situ detection of protein kinase activity. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 1731-1735.	2.2	12
125	Synthesis, receptor binding activity and fluorescence property of fluorescent enkephalin analogs containing Lâ€1â€pyrenylalanine. International Journal of Peptide and Protein Research, 1987, 30, 605-612.	0.1	12
126	Interaction of lipophilic peptides derived from mastoparan with phospholipid vesicles. Chemical Biology and Drug Design, 1997, 50, 458-464.	1.1	12

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127	Interaction of Synthetic Fragments of the Extension Peptide of Cytochrome P-450(SCC) Precursor with Phospholipid Bilayer. Journal of Biochemistry, 1987, 102, 813-820.	1.7	11
128	Design of a Hybrid of Two Î±-Helix Peptides and Ruthenium Trisbipyridine Complex for Photo-induced Electron Transfer System in Bilayer Membrane. Chemistry Letters, 1992, 21, 1813-1816.	1.3	11
129	Synthesis of [L-Î±-Aminomyristic Acid3,3â€²]gramicidin S and Its Interaction with Phospholipid Bilayer. Bulletin of the Chemical Society of Japan, 1992, 65, 228-233.	3.2	11
130	A pair of pyrene groups as a conformational probe for designed two Î±-helix polypeptides. Journal of the Chemical Society Perkin Transactions II, 1995, , 1133-1140.	0.9	11
131	Construction of HIV Rev peptides containing peptide nucleic acid that bind HIV RRE IIB RNA. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 377-379.	2.2	11
132	A Peptide-Cyclodextrin Hybrid System Capable of Detecting Guest Molecules Utilizing Fluorescence Resonance Energy Transfer. Macromolecular Rapid Communications, 2004, 25, 577-581.	3.9	11
133	Construction of a multiâ€functional extracellular matrix protein that increases number of N1Eâ€115 neuroblast cells having neurites. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 91B, 425-432.	3.4	11
134	Cell fingerprint patterns using designed Î±-helical peptides to screen for cell-specific toxicity. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6281-6284.	2.2	11
135	Use of hexafluoroisopropyl alcohol in tryptic condensation for partially protected precursor of Î±-melanocyte stimulating hormone. Tetrahedron Letters, 1992, 33, 3137-3140.	1.4	10
136	A pair of pyrene groups as a conformational probe for designed four-Î±-helix bundle polypeptides. Journal of the Chemical Society Perkin Transactions II, 1995, , 1915-1921.	0.9	10
137	Molecular assembly of two-Î±-helix peptide induced by haem binding. Chemical Communications, 1998, , 1073-1074.	4.1	10
138	Peptides with nucleobase moieties as a stabilizing factor for a two-stranded Î±-helix. Chemical Communications, 2000, , 1615-1616.	4.1	10
139	Designed Short Peptides that Form Amyloidâ€Like Fibrils in Coassembly with Amyloid Î²â€Peptide (AÎ²) Decrease the Toxicity of AÎ² to Neuronal PC12 Cells. ChemBioChem, 2010, 11, 1525-1530.	2.6	10
140	Peptide Nanofibers Modified with a Protein by Using Designed Anchor Molecules Bearing Hydrophobic and Functional Moieties. Chemistry - A European Journal, 2010, 16, 6644-6650.	3.3	10
141	Screening for concanavalin A binders from a mannose-modified Î±-helix peptide phage library. Molecular BioSystems, 2017, 13, 2222-2225.	2.9	10
142	Peptide synthesis in fluorinated alcohols mixed with proton accepting partners. Tetrahedron Letters, 1992, 33, 7007-7010.	1.4	9
143	Aminoporphyrinic acid as a new template for polypeptide design. Journal of the Chemical Society Chemical Communications, 1993, , 162.	2.0	9
144	Enhanced Membrane-Perturbing Activities of Bundled AmphiphilicÎ±-Helix Polypeptides on Interaction with Phospholipid Bilayer. Bulletin of the Chemical Society of Japan, 1995, 68, 2931-2939.	3.2	9

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145	Design and characterization of flavoenzyme models in the course of chemical evolution of four-Î±-helix bundle polypeptides. Perkin Transactions II RSC, 2000, , 813-822.	1.1	9
146	HIV Rev peptides conjugated with peptide nucleic acids and their efficient binding to RRE RNA. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 1169-1172.	2.2	9
147	Nonfibrous Î²-structured aggregation of an AÎ² model peptide (Ad-2Î±) on GM1/DPPC mixed monolayer surfaces. Journal of Colloid and Interface Science, 2006, 294, 295-303.	9.4	9
148	Intracellular artificial supramolecules based on de novo designed Y15 peptides. Nature Communications, 2021, 12, 3412.	12.8	9
149	Cyclic Peptides. XXII. Synthesis of [2-Amino-2,3-dehydrobutanoic Acid4]AM-Toxin I. Bulletin of the Chemical Society of Japan, 1986, 59, 2041-2043.	3.2	8
150	Probing Behavior of 1-Pyrenylalanine for Interaction of Two Î±-Helices Anchored on a Bipyridyl Group. Chemistry Letters, 1992, 21, 1809-1812.	1.3	8
151	Facile synthesis of cyclic peptides containing Î±-aminosuberic acid with oxime resin. Journal of the Chemical Society Chemical Communications, 1992, , 180-181.	2.0	8
152	Cyclo(-arginyl-sarcosyl-aspartyl-phenylglycyl-)2. Simple synthesis of an RGD-related peptide with inhibitory activity for platelet aggregation. Journal of the Chemical Society Perkin Transactions 1, 1996, , 939.	0.9	8
153	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 43, 271-277.	1.6	8
154	IR Study on Stacking Manner of Peptide Nanorings in Peptide Nanotubes. Japanese Journal of Applied Physics, 2005, 44, 7654-7661.	1.5	8
155	Utilization of L-Î±-Nucleobase Amino Acids (NBAs) as Protein Engineering Tools: Construction of NBA-Modified HIV-1 Protease Analogues and Enhancement of Dimerization Induced by Nucleobase Interaction. ChemBioChem, 2006, 7, 729-732.	2.6	8
156	A novel Î²-loop scaffold of phage-displayed peptides for highly specific affinities. Molecular BioSystems, 2011, 7, 2558.	2.9	8
157	hDM2 protein-binding peptides screened from stapled Î±-helical peptide phage display libraries with different types of staple linkers. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127605.	2.2	8
158	Biofunctional supramolecular hydrogels fabricated from a short self-assembling peptide modified with bioactive sequences for the 3D culture of breast cancer MCF-7 cells. Bioorganic and Medicinal Chemistry, 2021, 46, 116345.	3.0	8
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