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	Effects of Hydrophobic Residues on the Intracellular Self-Assembly of De Novo Designed Peptide Tags and Their Orthogonality. ACS Synthetic Biology, 2022, 11, 2144-2153.	3.8	6
2	Short selfâ€assembling peptides with a urea bond: A new type of supramolecular peptide hydrogel materials. Peptide Science, 2021, 113, e24214.	1.8	5
3	Selection of fluorescent biosensors against galectin-3 from an NBD-modified phage library displaying designed Î±-helical peptides. Bioorganic and Medicinal Chemistry Letters, 2021, 37, 127835.	2.2	5
4	Intracellular artificial supramolecules based on de novo designed Y15 peptides. Nature Communications, 2021, 12, 3412.	12.8	9
5	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
6	A guide-tag system controlling client enrichment into Y15 peptide-based granules for an in-cell protein recruitment assay. Chemical Communications, 2021, 57, 11338-11341.	4.1	4
7	Affinity Control of Monosaccharide Conjugated Peptides against Lectins with a Set of Amino Acid Substitutions on Î±-Helical Structures. Bioconjugate Chemistry, 2020, 31, 2533-2540.	3.6	2
8	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
9	Functionalization of self-assembling peptide materials using molecular recognition of supramolecular peptide nanofibers. Polymer Journal, 2020, 52, 913-922.	2.7	6
10	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
11	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
12	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
13	Gold Nanoparticles Conjugated with Glycopeptides for Lectin Detection and Imaging on Cell Surface. Protein and Peptide Letters, 2018, 25, 84-89.	0.9	6
14	Signal Enhancement Strategies for Refractive Index-Sensitive Nanobiosensor. Protein and Peptide Letters, 2018, 25, 34-41.	0.9	2
15	Fluorescent and luminescent fusion proteins for analyses of amyloid beta peptide aggregation. Journal of Peptide Science, 2017, 23, 659-665.	1.4	2
16	Screening for concanavalin A binders from a mannose-modified Î±-helix peptide phage library. Molecular BioSystems, 2017, 13, 2222-2225.	2.9	10
17	Development of Nano- and Bio-Materials Using Nanofibers Fabricated from Self-Assembling Peptides. Kobunshi Ronbunshu, 2017, 74, 162-171.	0.2	2
18	Cell differentiation on diskâ€and stringâ€shaped hydrogels fabricated from Ca²⁺â€responsive selfâ€assembling peptides. Biopolymers, 2016, 106, 476-483.	2.4	14

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19	A Cell Microarray Format: A Peptide Release System Using a Photo-Cleavable Linker for Cell Toxicity and Cell Uptake Analysis. Methods in Molecular Biology, 2016, 1352, 199-210.	0.9	1
20	Anomalous Reflection of Gold: A Novel Platform for Biochips. Methods in Molecular Biology, 2016, 1352, 97-110.	0.9	2
21	Dihydrofolate reductase inhibitory peptides screened from a structured designed Î²-loop peptide library displayed on phage. Molecular BioSystems, 2015, 11, 2713-2716.	2.9	3
22	Label and Label-Free Detection Techniques for Protein Microarrays. Microarrays (Basel, Switzerland), 2015, 4, 228-244.	1.4	148
23	Cell-selective intracellular drug delivery using doxorubicin and Î±-helical peptides conjugated to gold nanoparticles. Biomaterials, 2014, 35, 3480-3487.	11.4	46
24	Enhanced refractive index sensitivity for anomalous reflection of gold to improve performance of bio-molecular detection. Sensors and Actuators B: Chemical, 2014, 190, 357-362.	7.8	5
25	Interaction of amphiphilic Î±-helical cell-penetrating peptides with heparan sulfate. Organic and Biomolecular Chemistry, 2014, 12, 4673.	2.8	29
26	Cellular differentiation assessments by measuring the degree of cellular internalization and membrane adsorption using designed peptides. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4129-4131.	2.2	0
27	Hybrid Hydrogels Composed of Regularly Assembled Filamentous Viruses and Gold Nanoparticles. ACS Macro Letters, 2014, 3, 341-345.	4.8	27
28	A Computational Study of the Interaction of Amphiphilic Î±-Helical Cell-Penetrating Peptides with Heparan Sulfate. Bulletin of the Chemical Society of Japan, 2014, 87, 1074-1082.	3.2	1
29	Selfâ€assembling peptide nanofibers promoting cell adhesion and differentiation. Biopolymers, 2013, 100, 731-737.	2.4	15
30	Soft materials based on designed self-assembling peptides: from design to application. Molecular BioSystems, 2013, 9, 609.	2.9	33
31	Modification of a Small Î²â€Barrel Protein, To Give Pseudoâ€Amyloid Structures, Inhibits Amyloid Î²â€Peptide Aggregation. Chemistry - A European Journal, 2013, 19, 4525-4531.	3.3	6
32	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
33	Systematic screening of the cellular uptake of designed alpha-helix peptides. Bioorganic and Medicinal Chemistry, 2013, 21, 2560-2567.	3.0	22
34	A novel array format for monitoring cellular uptake using a photo-cleavable linker for peptide release. Chemical Communications, 2013, 49, 6394.	4.1	17
35	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
36	Peptides as New Smart Bionanomaterials: Molecularâ€Recognition and Selfâ€Assembly Capabilities. Chemical Record, 2013, 13, 172-186.	5.8	40

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37	Cell penetration and cell-selective drug delivery using Î±-helix peptides conjugated with gold nanoparticles. Biomaterials, 2013, 34, 4872-4879.	11.4	54
38	Construction of proteins with molecular recognition capabilities using Â3Â3 de novo protein scaffolds. Protein Engineering, Design and Selection, 2013, 26, 705-711.	2.1	2
39	Cell-adhesive hydrogels composed of peptide nanofibers responsive to biological ions. Polymer Journal, 2012, 44, 651-657.	2.7	40
40	Noncompetitive On-Chip Immunoassays for Detection of Nonlabeled Antibodies Based on the Excluded Volume Effect of the Target Itself. Bulletin of the Chemical Society of Japan, 2012, 85, 69-78.	3.2	3
41	Construction of Designed Peptide Microarrays Toward "Omics" Studies. Bunseki Kagaku, 2012, 61, 523-534.	0.2	0
42	Dense surface functionalization using peptides that recognize differences in organized structures of self-assembling nanomaterials. Molecular BioSystems, 2012, 8, 1264.	2.9	22
43	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
44	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
45	Gold nanoparticles conjugated with monosaccharide-modified peptide for lectin detection. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 6825-6827.	2.2	20
46	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
47	Terminal Sequence Importance of De Novo Proteins from Binary- Patterned Library: Stable Artificial Proteins with 11- or 12-Amino Acid Alphabet. Protein and Peptide Letters, 2012, 19, 673-679.	0.9	1
48	A novel Î²-loop scaffold of phage-displayed peptides for highly specific affinities. Molecular BioSystems, 2011, 7, 2558.	2.9	8
49	A Novel Peptide Array Using a Phage Display System for Protein Detection. Chemistry Letters, 2011, 40, 508-509.	1.3	6
50	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
51	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
52	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
53	Design and conformational analysis of natively folded Î²â€hairpin peptides stabilized by nucleobase interactions. Biopolymers, 2010, 94, 830-842.	2.4	5
54	Rational design of amyloid Î² peptideâ€“binding proteins: Pseudoâ€AÎ² Î²â€sheet surface presented in green fluorescent protein binds tightly and preferentially to structured AÎ². Proteins: Structure, Function and Bioinformatics, 2010, 78, 336-347.	2.6	17

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55	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
56	Desiccation-Induced Structuralization and Glass Formation of Group 3 Late Embryogenesis Abundant Protein Model Peptides. Biochemistry, 2010, 49, 1093-1104.	2.5	102
57	A New Optical Label-Free Biosensing Platform Based on a Metalâ^'Insulatorâ^'Metal Structure. Langmuir, 2010, 26, 6053-6057.	3.5	21
58	Synthesis of analogs of K-582A, an antibiotic heptapeptide. International Journal of Peptide and Protein Research, 2009, 25, 640-647.	0.1	3
59	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
60	Selection and structural analysis of <i>de novo</i> proteins from an Î±3Î²3 genetic library. Protein Science, 2009, 18, 384-398.	7.6	14
61	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
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	RNA aptamers selected against amyloid Î²-peptide (AÎ²) inhibit the aggregation of AÎ². Molecular BioSystems, 2009, 5, 986.	2.9	62
64	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
65	Construction of multi-functional extracellular matrix proteins that promote tube formation of endothelial cells. Biomaterials, 2008, 29, 2977-2986.	11.4	41
66	Peptide and Protein Mimetics Inhibiting Amyloid Î²-Peptide Aggregation. Accounts of Chemical Research, 2008, 41, 1309-1318.	15.6	215
67	1P-068 The Effect of Model Peptides for Group-3 Late Embryogenesis Abundant (G3LEA) Proteins on Protein Aggregation(The 46th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2008, 48, S31.	0.1	0
68	3P024 Model study of the desiccation-induced structural transformations of Group-3 Late Embryogenesis Abundant (G3LEA) proteins(Hemeproteins. Electronic states. Proteins-structure and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	0
69	ãƒšãƒ—ãƒãƒ‰ãƒ©ã‚ãƒ–ãƒ©ãƒªã'ç"¨ã"ã‚‹ã‚¿ãƒ³ãƒ'ã‚¯è³ªç›¸äº'ä½œç"¨æœå‡ºãƒãƒƒãƒ—. Electrochemistry, 2007, 75, 981-986.	[illegible]	[illegible]
70	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
71	Embedding the Amyloid Î²-Peptide Sequence in Green Fluorescent Protein Inhibits AÎ² Oligomerization. ChemBioChem, 2007, 8, 985-988.	2.6	20
72	Design of Peptides That Form Amyloidâ€Like Fibrils Capturing Amyloid Î²1â€"42 Peptides. Chemistry - A European Journal, 2007, 13, 7745-7752.	3.3	28

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73	Interactions between peptides containing nucleobase amino acids and T7 phages displayingS. cerevisiae proteins. Biopolymers, 2007, 88, 131-140.	2.4	26
74	Screening of Î±-helical peptide ligands controlling a calcineurin-phosphatase activity. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 167-171.	2.2	24
75	Design of Artificial Proteins and Peptides Targeting to Amyloid .BETA. Peptide (A.BETA.) and Control of A.BETA. Aggregation. Seibutsu Butsuri, 2007, 47, 228-234.	0.1	0
76	A novel peptide microarray for protein detection and analysis utilizing a dry peptide array system. Molecular BioSystems, 2006, 2, 113-121.	2.9	37
77	Protein-fingerprint data mining of a designed Î±-helical peptide array. Molecular BioSystems, 2006, 2, 417-420.	2.9	24
78	Rational design of homogenous protein kinase assay platforms that allow both fluorometric and colorimetric signal readouts. Molecular BioSystems, 2006, 2, 580.	2.9	15
79	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
80	Designed Peptide Microarrays for Protein Detection and Characterization. , 2006, , 731-733.		0
81	Critical current characteristics in MgB2 bulks. Physica C: Superconductivity and Its Applications, 2006, 445-448, 474-477.	1.2	18
82	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
83	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
84	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
85	Metal-triggered Nanofiber Formation of His-containing Î²-Sheet Peptide. Supramolecular Chemistry, 2006, 18, 397-403.	1.2	16
86	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
87	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
88	A Designed Glycopeptide Array for Characterization of Sugar-Binding Proteins Toward a Glycopeptide Chip Technology. Nanobiotechnology, 2005, 1, 191-200.	1.2	22
89	Protein-Detecting Microarrays: Current Accomplishments and Requirements. ChemBioChem, 2005, 6, 782-799.	2.6	166
90	Difference in Self-Assembling Morphology of Peptide Nanorings. Japanese Journal of Applied Physics, 2005, 44, 8240-8248.	1.5	5

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91	IR Study on Stacking Manner of Peptide Nanorings in Peptide Nanotubes. Japanese Journal of Applied Physics, 2005, 44, 7654-7661.	1.5	8
92	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
93	Anomalous reflection of gold applicable for a practical protein-detecting chip platform. Molecular BioSystems, 2005, 1, 363.	2.9	29
94	Construction of biotinylated peptide nanotubes for arranging proteins. Molecular BioSystems, 2005, 1, 146.	2.9	46
95	Peptide arrays with designed Î±-helical structures for characterization of proteins from FRET fingerprint patterns. Molecular Diversity, 2004, 8, 209-218.	3.9	39
96	Enantioselective ester hydrolysis catalyzed by Î²-cyclodextrin conjugated with Î²-hairpin peptides. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 723-726.	2.2	19
97	Peptide arrays with designed secondary structures for protein characterization using fluorescent fingerprint patterns. Biopolymers, 2004, 76, 129-139.	2.4	41
98	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
99	Fabrication of Nanofibers with Uniform Morphology by Self-Assembly of Designed Peptides. Chemistry - A European Journal, 2004, 10, 2789-2794.	3.3	71
100	Construction of a chemically and conformationally self-replicating system of amyloid-like fibrils. Bioorganic and Medicinal Chemistry, 2004, 12, 693-699.	3.0	54
101	Construction of a protein array on amyloid-like fibrils using co-assembly of designed peptides. Chemical Communications, 2004, , 2876.	4.1	47
102	De Novo Design of Peptides withl-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
103	Development of a Practical Protein-Chip Using Designed Synthetic Peptide-Arrays. Kobunshi Ronbunshu, 2004, 61, 523-532.	0.2	4
104	Inhibition of peptide amyloid formation by cationic peptides with homologous sequences. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 4051-4054.	2.2	7
105	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
106	Sensing Behavior of Fluorescent Cyclodextrin/Peptide Hybrids Bearing a Macrocyclic Metal Complex. Macromolecular Rapid Communications, 2003, 24, 202-206.	3.9	17
107	Complementary Nucleobase Interaction Enhances Peptide-Peptide Recognition and Self-Replicating Catalysis. Chemistry - A European Journal, 2003, 9, 4829-4837.	3.3	37
108	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

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109	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
110	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
111	Synthesis and atomic force microscopy observations of the single-peptide nanotubes and their micro-order assemblies. Physical Review B, 2002, 66, .	3.2	17
112	Double Naphthalene-Tagged Cyclodextrin-Peptide Capable of Exhibiting Guest-Induced Naphthalene Excimer Fluorescence. Macromolecular Rapid Communications, 2002, 23, 11-15.	3.9	20
113	Fluorescent Cyclodextrin/Peptide Hybrids with a Novel Guest-Responsive Chemosensor in the Peptide Side Chain. Macromolecular Rapid Communications, 2002, 23, 905-908.	3.9	7
114	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
115	Amyloid Architecture: Complementary Assembly of Heterogeneous Combinations of Three or Four Peptides into Amyloid Fibrils. ChemBioChem, 2002, 3, 637.	2.6	41
116	Construction of the novel conformationally-restricted peptide library for screening of peptides that control the interaction Between nucleobases. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 955-958.	2.2	2
117	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 43, 271-277.	1.6	8
118	Supramolecular Chemistry of Cyclodextrin-Peptide Hybrids: Azobenzene-Tagged Peptides. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 44, 49-52.	1.6	5
119	Double Naphthalene-Tagged Cyclodextrin-Peptide Capable of Exhibiting Guest-Induced Naphthalene Excimer Fluorescence. Macromolecular Rapid Communications, 2002, 23, 11.	3.9	0
120	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
121	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
122	Construction of peptides with nucleobase amino acids. Bioorganic and Medicinal Chemistry, 2001, 9, 991-1000.	3.0	26
123	Construction of peptide conjugates with peptide nucleic acids containing an anthracene probe and their interactions with DNA. Bioorganic and Medicinal Chemistry, 2001, 9, 1115-1121.	3.0	3
124	Photoinduced hydrogen evolution with peptide dendrimer-multi-Zn(II)-porphyrin, viologen, and hydrogenase. Biopolymers, 2001, 59, 103-109.	2.4	33
125	Design and synthesis of 3?-helix peptides forming a cavity for a fluorescent ligand. Biopolymers, 2001, 59, 65-71.	2.4	12
126	Heterogeneous Assembly of Complementary Peptide Pairs into Amyloid Fibrils with Î±-Î² Structural Transition. ChemBioChem, 2001, 2, 75-79.	2.6	30

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127	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
128	Remarkable Stabilization of the Î±-Helix Structure by an Intramolecular Host-Guest Bridge in a Cyclodextrin-Peptide Hybrid. Macromolecular Rapid Communications, 2001, 22, 262-265.	3.9	1
129	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	1
130	Template-Directed Ligation of Peptides with Nucleobase Amino Acids. , 2001, , 674-675.		0
131	Complementary Assembly of Heterogeneous Multiple Peptides into Amyloid Fibrils with Î±-Î² Structural Transitions. , 2001, , 435-437.		0
132	Screening of Peptides that Control Interaction Between Nucleobases from Peptide Libraries Based on Loop Structures. , 2001, , 520-521.		0
133	Construction of RNA-Binding Proteins Having Nucleobase Amino Acids Based on HIV-1 Nucleocapsid Protein. , 2001, , 518-519.		0
134	Association and Guest-induced Dissociation of a Novel Î±-Helix Peptide Bearing Pyrene and Î³-Cyclodextrin in the Side Chains. Chemistry Letters, 2000, 29, 252-253.	1.3	5
135	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
136	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
137	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
138	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
139	Cyclodextrinâ€“peptide hybrid as a hydrolytic catalyst having multiple functional groups. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 741-743.	2.2	17
140	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
141	Construction of two-stranded Î±-helix peptides based on influenza virus M1 protein selectively bound to RNA. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 2227-2230.	2.2	3
142	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
143	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
144	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

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145	Rate enhancement and enantioselectivity in ester hydrolysis catalysed by cyclodextrinâ€“peptide hybrids. Perkin Transactions II RSC, 2000, , 1813-1818.	1.1	19
146	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
147	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
148	Peptides with nucleobase moieties as a stabilizing factor for a two-stranded Î±-helix. Chemical Communications, 2000, , 1615-1616.	4.1	10
149	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
150	Construction of Î±-helical peptide dendrimers conjugated with multi-metalloporphyrins: photoinduced electron transfer on dendrimer architecture. Chemical Communications, 2000, , 1741-1742.	4.1	43
151	Construction of -Helix Peptides with -Cyclodextrin and Dansyl Units and Their Conformational and Molecular Sensing Properties. Chemistry - A European Journal, 2000, 6, 1781-1788.	3.3	1
152	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	0
153	Design of peptides derived from anti-IgE antibody for allergic treatment. Bioorganic and Medicinal Chemistry Letters, 1999, 9, 2185-2188.	2.2	7
154	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
155	Regulation of Î±/Î²-folding of a designed peptide by haem binding. Chemical Communications, 1999, , 1111-1112.	4.1	12
156	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
157	Electron Transfer of Flavin-pendant Î±-Helical Peptides Self-assembled on an Electrode. Electrochemistry, 1999, 67, 1221-1223.	1.4	3
158	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
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