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Self-assembly of giant peptide nanobelts

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#	Paper	IF	Citations
396	The medicinal chemistry of peptides. 2009 , 16, 4399-418		98
395	Metal-driven hierarchical self-assembled one-dimensional nanohelices. <i>Nano Letters</i> , 2009 , 9, 4500-4	11.5	134
394	Dynamic self-assembly of surfactant-like peptides A6K and A9K. 2009 , 5, 3870		54
393	Self-assembled peptide nanorods as building blocks of fractal patterns. 2009 , 5, 4893		57
392	Twisted Nanotubes Formed from Ultrashort Amphiphilic Peptide I3K and Their Templating for the Fabrication of Silica Nanotubes. <i>Chemistry of Materials</i> , 2010 , 22, 5165-5173	9.6	99
391	Next-generation peptide nanomaterials: molecular networks, interfaces and supramolecular functionality. 2010 , 39, 3351-7		250
390	Supramolecular Hydrogels and High-Aspect-Ratio Nanofibers through Charge-Transfer-Induced Alternate Coassembly. <i>Angewandte Chemie</i> , 2010 , 122, 4314-4318	3.6	56
389	Supramolecular hydrogels and high-aspect-ratio nanofibers through charge-transfer-induced alternate coassembly. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4218-22	16.4	238
388	Self-assembly of peptide amphiphiles: from molecules to nanostructures to biomaterials. 2010 , 94, 1-1	8	1112
387	On the biomechanical function of scaffolds for engineering load-bearing soft tissues. <i>Acta Biomaterialia</i> , 2010 , 6, 2365-81	10.8	105
386	Emerging peptide nanomedicine to regenerate tissues and organs. 2010 , 267, 71-88		172
385	The emerging field of RNA nanotechnology. 2010 , 5, 833-42		521
384	Functional Tissue Engineering Through Biofunctional Macromolecules and Surface Design. 2010 , 35, 584-590		11
383	Cryogenic Transmission Electron Microscopy for Direct Observation of Polymer and Small-Molecule Materials and Structures in Solution. 2010 , 50, 287-320		35
382	Self-assembled filamentous nanostructures for drug/gene delivery applications. 2010 , 7, 341-51		25
381	Self-assembled nanolayers of conjugated silane with pi-pi interlocking. ACS Nano, 2010, 4, 3773-80	16.7	16
380	Fabrication of nanotubules and microspheres from the self-assembly of amphiphilic monochain stearic acid derivatives. <i>Langmuir</i> , 2010 , 26, 17890-5	4	15

(2011-2010)

379	Tunable One-Dimensional Helical Nanostructures: From Supramolecular Self-Assemblies to Silica Nanomaterials. <i>Chemistry of Materials</i> , 2010 , 22, 6711-6717	51
378	Power struggles in peptide-amphiphile nanostructures. 2010 , 39, 3434-44	116
377	Molecular self-assembly and applications of designer peptide amphiphiles. 2010, 39, 3480-98	519
376	Rheological properties of peptide-based hydrogels for biomedical and other applications. 2010 , 39, 3528-40	523
375	Direct observation of morphological transformation from twisted ribbons into helical ribbons. 2010 , 132, 8819-21	245
374	Stimulus responsive peptide based materials. 2010 , 39, 3394-412	253
373	Influence of sequence on the self-assembly of peptide nanoribbons on silicon substrates. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 16650-4	8
372	Twisted metal-amino acid nanobelts: chirality transcription from molecules to frameworks. 2010 , 132, 8202-9	100
371	Rationally designed helical nanofibers via multiple non-covalent interactions: fabrication and modulation. 2010 , 6, 2031	46
370	Fibrillar superstructure from extended nanotapes formed by a collagen-stimulating peptide. 2010 , 46, 9185-7	59
369	Fibronectin-mimetic peptide-amphiphile nanofiber gels support increased cell adhesion and promote ECM production. 2010 , 6, 5064	32
368	Self-assembly of a peptide amphiphile based on hydrolysed Bombyx mori silk fibroin. 2011 , 47, 10296-8	38
367	Controllable micro/nanostructuresvia hierarchical self-assembly of cyclopeptides. 2011, 7, 8635	23
366	Mechanosensitive peptide gelation: mode of agitation controls mechanical properties and nano-scale morphology. 2011 , 7, 1732-1740	56
365	Integrating top-down and self-assembly in the fabrication of peptide and protein-based biomedical materials. 2011 , 40, 4563-77	104
364	Self-assembly of short a[16-22) peptides: effect of terminal capping and the role of electrostatic interaction. <i>Langmuir</i> , 2011 , 27, 2723-30	83
363	Effect of the peptide secondary structure on the peptide amphiphile supramolecular structure and interactions. <i>Langmuir</i> , 2011 , 27, 6163-70	46
362	Peptide-mediated constructs of quantum dot nanocomposites for enzymatic control of nonradiative energy transfer. <i>Nano Letters</i> , 2011 , 11, 1530-9	32

361	Biocatalytic self-assembly of 2D peptide-based nanostructures. 2011 , 7, 10032	56
360	Switching of Self-Assembly in a Peptide Nanostructure with a Specific Enzyme. 2011 , 7, 9665-9672	120
359	Unraveling the mechanism of nanotube formation by chiral self-assembly of amphiphiles. 2011 , 133, 2511-7	214
358	Self-assembling dipeptide-based nontoxic vesicles as carriers for drugs and other biologically important molecules. 2011 , 9, 6610-5	40
357	Peptide nanotubes: molecular organisations, self-assembly mechanisms and applications. 2011 , 7, 9583	126
356	Peptide Self-Assembly for Crafting Functional Biological Materials. 2011 , 15, 225-235	218
355	Self-assembly of amphiphilic peptides. 2011 , 7, 4122	347
354	Self-assembling peptides: potential role in tumor targeting. 2011 , 12, 1089-100	30
353	Symmetry-based self-assembled nanotubes constructed using native protein structures: the key role of flexible linkers. 2011 , 18, 362-72	1
352	The role of self-assembling polypeptides in building nanomaterials. 2011 , 13, 17435-44	61
351	Tuning Esheet peptide self-assembly and hydrogelation behavior by modification of sequence hydrophobicity and aromaticity. <i>Biomacromolecules</i> , 2011 , 12, 2735-45	138
350	Peptide functionalised discotic amphiphiles and their self-assembly into supramolecular nanofibres. 2011 , 7, 7980	26
349	Phosphonated calix[4]arene-based amphiphiles as scaffolds for fluorescent nano-fibres. 2011 , 47, 7329-31	17
348	Controlled fabrication of organic nanotubes via self-assembly of non-symmetric bis-acylurea. 2011 , 289, 1855-1862	7
347	Bio-inspired supramolecular self-assembly towards soft nanomaterials. 2011 , 5, 247-265	33
346	Rational design of peptide nanotubes for varying diameters and lengths. 2011 , 17, 94-9	41
345	Regulation of the chiral twist and supramolecular chirality in co-assemblies of amphiphilic L-glutamic acid with bipyridines. 2011 , 17, 3429-37	77
344	Semiconductive, one-dimensional, self-assembled nanostructures based on oligopeptides with Etonjugated segments. 2011 , 17, 4746-9	34

Self-assembly of short peptide amphiphiles: the cooperative effect of hydrophobic interaction and hydrogen bonding. 2011 , 17, 13095-102		115
pH tunable self-assembly of chicoric acid and their biocompatibility studies. 2011 , 23, 678-688		
POLYMER SCAFFOLDS FOR REGENERATIVE THERAPIES IDESIGN OF HIERARCHICALLY ORGANIZED STRUCTURES AND THEIR MORPHOLOGICAL CHARACTERIZATION. 2012 , 02, 1230005		2
Two-dimensional Self-assembly of Amphiphilic Peptide at the Solid/Water Interface toward a Facile Method for Metal Nanoparticle Alignment. <i>Chemistry Letters</i> , 2012 , 41, 1221-1222	1.7	2
The Effects of Charges at the N- and C-Termini of Short Peptides on Their Secondary and Self-assembled Structures. <i>Chemistry Letters</i> , 2012 , 41, 549-551	1.7	5
- Natural and Designed Self-Assembling Peptides and Their Applications in Bionanotechnology. 2012 , 53-80		1
- Biomedical Applications of Assembled Peptide and Protein Micro- or Nanostructures. 2012 , 193-244		
Supramolecular control of self-assembling terthiophene-peptide conjugates through the amino acid side chain. 2012 , 48, 9711-3		41
Fatty acid-RGD peptide amphiphile micelles as potential paclitaxel delivery carriers to (4v) (1 integrin overexpressing tumors. 2012 , 29, 3347-61		28
Peptide Self-Assembly. 2012 ,		
Designing Peptide-Based Supramolecular Biomaterials. 2012,		1
Nanorods Formed from a New Class of Peptidomimetics. <i>Macromolecules</i> , 2012 , 45, 7350-7355	5.5	19
Control of peptide assembly through directional interactions. 2012 , 48, 8481-3		29
Interfacial adsorption of cationic peptide amphiphiles: a combined study of in situspectroscopic ellipsometry and liquid AFM. 2012 , 8, 645-652		17
Conformation and self-association of peptide amphiphiles based on the KTTKS collagen sequence. <i>Langmuir</i> , 2012 , 28, 12209-15	4	21
	4	53
Microtubes with rectangular cross-section by self-assembly of a short Epeptide foldamer. 2012,	4	
	pH tunable self-assembly of chicoric acid and their biocompatibility studies. 2011, 23, 678-688 POLYMER SCAFFOLDS FOR REGENERATIVE THERAPIES IDESIGN OF HIERARCHICALLY ORGANIZED STRUCTURES AND THEIR MORPHOLOGICAL CHARACTERIZATION. 2012, 02, 1230005 Two-dimensional Self-assembly of Amphiphilic Peptide at the Solid/Water Interface toward a Facile Method for Metal Nanoparticle Alignment. Chemistry Letters, 2012, 41, 1221-1222 The Effects of Charges at the N- and C-Termini of Short Peptides on Their Secondary and Self-assembled Structures. Chemistry Letters, 2012, 41, 549-551 - Natural and Designed Self-Assembling Peptides and Their Applications in Bionanotechnology. 2012, 53-80 - Biomedical Applications of Assembled Peptide and Protein Micro- or Nanostructures. 2012, 193-244 Supramolecular control of self-assembling terthiophene-peptide conjugates through the amino acid side chain. 2012, 48, 9711-3 Fatty acid-RGD peptide amphiphile micelles as potential paclitaxel delivery carriers to (V) integrin overexpressing tumors. 2012, 29, 3347-61 Peptide Self-Assembly. 2012, Designing Peptide-Based Supramolecular Biomaterials. 2012, Nanorods Formed from a New Class of Peptidomimetics. Macromolecules, 2012, 45, 7350-7355 Control of peptide assembly through directional interactions. 2012, 48, 8481-3 Interfacial adsorption of cationic peptide amphiphiles: a combined study of in situspectroscopic	pH tunable self-assembly of chicoric acid and their biocompatibility studies. 2011, 23, 678-688 POLYMER SCAFFOLDS FOR REGENERATIVE THERAPIES (DESIGN OF HIERARCHICALLY ORGANIZED STRUCTURES AND THEIR MORPHOLOGICAL CHARACTERIZATION. 2012, 02, 1230005 Two-dimensional Self-assembly of Amphiphilic Peptide at the Solid/Water Interface toward a Facile Method for Metal Nanoparticle Alignment. Chemistry Letters, 2012, 41, 1221-1222 1.7 The Effects of Charges at the N- and C-Termini of Short Peptides on Their Secondary and Self-assembled Structures. Chemistry Letters, 2012, 41, 549-551 - Natural and Designed Self-Assembling Peptides and Their Applications in Bionanotechnology. 2012, 53-80 - Biomedical Applications of Assembled Peptide and Protein Micro- or Nanostructures. 2012, 193-244 Supramolecular control of self-assembling terthiophene-peptide conjugates through the amino acid side chain. 2012, 48, 9711-3 Fatty acid-RGD peptide amphiphile micelles as potential paclitaxel delivery carriers to (4))D integrin overexpressing tumors. 2012, 29, 3347-61 Peptide Self-Assembly. 2012, Designing Peptide-Based Supramolecular Biomaterials. 2012, Nanorods Formed from a New Class of Peptidomimetics. Macromolecules, 2012, 45, 7350-7355 Control of peptide assembly through directional interactions. 2012, 48, 8481-3 Interfacial adsorption of cationic peptide amphiphiles: a combined study of in situspectroscopic

325	Self-assembling peptide scaffolds for regenerative medicine. 2012 , 48, 26-33		403
324	Advances in cryogenic transmission electron microscopy for the characterization of dynamic self-assembling nanostructures. 2012 , 17, 350-359		43
323	Noncovalent self-assembly in aqueous medium: Mechanistic insights from time-resolved cryogenic electron microscopy. 2012 , 17, 330-342		31
322	Effect of peptide architecture on the self-assembly properties of tripeptide based anionic surfactants issued from two different peptide sequences: Ala-Ala-Val and Ala-Pro-Val in aqueous media (pH 7.4). 2012 , 414, 422-432		9
321	Synthesis of ZnO hollow microspheres via an in-situ gas growth method. 2012 , 232, 134-140		14
320	Biomimetic and Bioinspired Self-Assembled Peptide Nanostructures. 2012,		
319	Supramolecular Polymers. 2012,		
318	Peptide nanotube formation: a crystal growth process. 2012 , 8, 7463		29
317	Convenient approach to polypeptide copolymers derived from native proteins. <i>Biomacromolecules</i> , 2012 , 13, 1890-8	6.9	28
316	The role of nanoscale architecture in supramolecular templating of biomimetic hydroxyapatite mineralization. 2012 , 8, 2195-202, 2194		59
315	Influence of a non-ionic amphiphilic copolymer on the self-assembly of a peptide amphiphile that forms nanotapes. 2012 , 8, 8608		12
314	Hierarchical superstructures with control of helicity from the self-assembly of chiral bent-core molecules. 2012 , 18, 9091-8		33
313	Chiral transcription and retentive helical memory: probing peptide auxiliaries appended with naphthalenediimides for their one-dimensional molecular organization. 2012 , 18, 4818-22		57
312	Modulating self-assembly of a nanotape-forming peptide amphiphile with an oppositely charged surfactant. 2012 , 8, 217-226		47
311	Peptide self-assembly on mica under ethanol-containing atmospheres: effects of ethanol on epitaxial growth of peptide nanofilaments. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 2927-33	3.4	13
310	Microscopic characterization of peptide nanostructures. 2012 , 43, 69-84		26
309	Self-assembly of cytotoxic peptide amphiphiles into supramolecular membranes for cancer therapy. 2013 , 2, 126-33		50
308	The robust hydrogel hierarchically assembled from a pH sensitive peptide amphiphile based on silk fibroin. <i>Biomacromolecules</i> , 2013 , 14, 2733-8	6.9	48

(2013-2013)

307	Nanomaterial processing using self-assembly-bottom-up chemical and biological approaches. 2013 , 76, 066501		85
306	A peptide-PEG conjugate-directed nanoperiodic hierarchical architecture by spatial selective self-assembly at the solid/water interface. 2013 , 3, 15887		2
305	The effect of pH on the self-assembly of a collagen derived peptide amphiphile. 2013 , 9, 6033		43
304	Supramolecular helices: chirality transfer from conjugated molecules to structures. 2013 , 25, 6039-49		126
303	Self-assembly to function: design, synthesis, and broad spectrum antimicrobial properties of short hybrid E-vinylogous lipopeptides. 2013 , 56, 8468-74		29
302	Soft materials based on designed self-assembling peptides: from design to application. 2013 , 9, 609-17		29
301	Inorganic nanostructures with sizes down to 1 nm: a macromolecule analogue. 2013 , 135, 11115-24		75
300	Responsive helical self-assembly of AgNO3 and melamine through asymmetric coordination for Agnanochain synthesis. 2013 , 9, 1021-4		44
299	Self-assembly and accurate preparation of Au nanoparticles in the aqueous solution of a peptide A6D and a zwitterionic C14DMAO. 2013 , 9, 5572		18
298	Highly ordered, ultra long nanofibrils via the hierarchical self-assembly of ionic aromatic oligoamides. 2013 , 9, 4642		14
297	Self-assembly of biomolecular soft matter. 2013 , 166, 9-30		72
296	Sonication-induced coiled fibrous architectures of Boc-L-Phe-L-Lys(Z)-OMe. 2013 , 19, 1769-77		25
295	Nanoassemblies from homostructured polypeptides as efficient nanoplatforms for oral drug delivery. 2013 , 9, 408-18		3
294	Supramolecular Nanofibers of Peptide Amphiphiles for Medicine. <i>Israel Journal of Chemistry</i> , 2013 , 53, 530-554	3.4	57
293	Full spectroscopic tip-enhanced Raman imaging of single nanotapes formed from Emyloid(1-40) peptide fragments. <i>ACS Nano</i> , 2013 , 7, 911-20	16.7	85
292	Peptide hydrogels. 2013 , 3, 9117		222
291	Coassembly in binary mixtures of peptide amphiphiles containing oppositely charged residues. <i>Langmuir</i> , 2013 , 29, 5050-9	4	47
290	Self-assembled Tat nanofibers as effective drug carrier and transporter. <i>ACS Nano</i> , 2013 , 7, 5965-77	16.7	160

289	In situ modification of plain liposomes with lipidated coiled coil forming peptides induces membrane fusion. 2013 , 135, 8057-62		81
288	Conformation-specific self-assembly of thermo-responsive poly(ethylene glycol)-b-polypeptide diblock copolymer. <i>Langmuir</i> , 2013 , 29, 6271-8	4	59
287	Durable antimicrobial finishing of cellulose with QSA silicone by supercritical adsorption. 2013 , 264, 171	I-175	39
286	Tuning nanostructure dimensions with supramolecular twisting. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 4604-10	3.4	63
285	Peptide hydrogels assembled from nonionic alkyl-polypeptide amphiphiles prepared by ring-opening polymerization. <i>Biomacromolecules</i> , 2013 , 14, 2494-8	6.9	47
284	Tuning the self-assembly of short peptides via sequence variations. <i>Langmuir</i> , 2013 , 29, 13457-64	4	103
283	One-step fabrication of self-assembled peptide thin films with highly dispersed noble metal nanoparticles. <i>Langmuir</i> , 2013 , 29, 16051-7	4	34
282	Fabrication of nanofibrous scaffolds for tissue engineering applications. 2013 , 158-183		13
281	Covalently attached fatty acyl chains alter the aggregation behavior of an amyloidogenic peptide derived from human (2)-microglobulin. 2013 , 19, 770-83		4
280	Self-assembly of surfactant-like peptides and their applications. 2014 , 57, 1634-1645		29
279	Control of chiral nanostructures by self-assembly of designed amphiphilic peptides and silica biomineralization. 2014 , 20, 17068-76		13
278	Supramolecular architectures from bent-core dendritic molecules. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 13449-53	16.4	19
277	Toll-like receptor agonist lipopeptides self-assemble into distinct nanostructures. 2014 , 50, 15948-51		39
276	Supramolecular Architectures from Bent-Core Dendritic Molecules. <i>Angewandte Chemie</i> , 2014 , 126, 136	667613	6 7 1
275	What molecular assembly can learn from catalytic chemistry. 2014 , 43, 399-411		65
274	Spontaneous construction of nanoperiodic architecture by two-dimensional self-assembly of an amphiphilic peptide-polyethylene glycol conjugate at the solid/water interface. <i>Journal of Colloid and Interface Science</i> , 2014 , 417, 137-43	9.3	4
273	Progress in the direct structural characterization of fibrous amphiphilic supramolecular assemblies in solution by transmission electron microscopic techniques. 2014 , 208, 279-92		13
272	Self-assembly of high molecular weight polypeptide copolymers studied via diffusion limited aggregation. <i>Biomacromolecules</i> , 2014 , 15, 219-27	6.9	13

271	Cell death versus cell survival instructed by supramolecular cohesion of nanostructures. 2014 , 5, 3321		120
270	Design of amphiphilic peptide geometry towards biomimetic self-assembly of chiral mesoporous silica. 2014 , 20, 3273-6		7
269	Nanostructures from the self-assembly of Ehelical peptide amphiphiles. 2014 , 20, 223-8		11
268	The role of spacers on the self-assembly of DNA aptamer-amphiphiles into micelles and nanotapes. 2014 , 50, 210-2		28
267	Supramolecular Chemistry and Self-Assembly in Organic Materials Design. <i>Chemistry of Materials</i> , 2014 , 26, 507-518	9.6	371
266	Self-assembling amphiphilic peptides. 2014 , 20, 453-67		244
265	Raft[Formation by Two-Dimensional Self-Assembly of Block Copolymer Rod Micelles in Aqueous Solution. <i>Angewandte Chemie</i> , 2014 , 126, 9146-9149	3.6	13
264	Self-assembly of NH氏于-lysine)氏OOH and SDS into nanodiscs or nanoribbons regulated by pH. 2014 , 50, 9943-6		4
263	Molecular origin of the self-assembled morphological difference caused by varying the order of charged residues in short peptides. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 12501-10	3.4	21
262	Diastereoselective self-assembly of clofarabine lipids. <i>New Journal of Chemistry</i> , 2014 , 38, 5247-5253	3.6	3
261	Steric effect on the self-assembly behaviours of amino acid derivatives. 2014 , 4, 52245-52249		5
2 60	Synthesis of Bioconjugated sym-pentasubstituted corannulenes: experimental and theoretical investigations of supramolecular architectures. 2014 , 25, 115-28		26
259	Electrospinning bioactive supramolecular polymers from water. <i>Biomacromolecules</i> , 2014 , 15, 1323-7	6.9	50
258	Amino acid sequence in constitutionally isomeric tetrapeptide amphiphiles dictates architecture of one-dimensional nanostructures. 2014 , 136, 12461-8		201
257	"Raft" formation by two-dimensional self-assembly of block copolymer rod micelles in aqueous solution. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9000-3	16.4	101
256	Structural roles of amphiphilic peptide tails on silica biomineralization. 2014 , 43, 16169-72		7
255	pH-triggered formation of nanoribbons from yeast-derived glycolipid biosurfactants. 2014 , 10, 3950-9		49
254	Hydrogels facilitated by monovalent cations and their use as efficient dye adsorbents. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 4693-701	3.4	43

253	Esterase-activated release of naproxen from supramolecular nanofibres. 2014 , 50, 13757-60	36
252	Self-assembly of peptides to nanostructures. 2014 , 12, 3544-61	185
251	1D Self-assembly of Terthiophene (3T)Naphthalenediimide (NDI) Dyad. <i>Chemistry Letters</i> , 2014 , 43, 1634-1636	6
250	Self-Assembly of Organic Molecules into Nanostructures. 2015 , 21-94	
249	Right handed chiral superstructures from achiral molecules: self-assembly with a twist. 2015 , 5, 15652	54
248	Fabrication of Chiral Materials via Self-Assembly and Biomineralization of Peptides. 2015 , 15, 665-74	4
247	Synthesis of pyridinium polysiloxane for antibacterial coating in supercritical carbon dioxide. 2015 , 132, n/a-n/a	10
246	Beta-Sheet-Forming, Self-Assembled Peptide Nanomaterials towards Optical, Energy, and Healthcare Applications. 2015 , 11, 3623-40	133
245	Peptide Amphiphiles in Corneal Tissue Engineering. 2015 , 6, 687-707	17
244	. 2015,	7
244	. 2015, Self-Assembling Peptide Nanofibrous Hydrogel as a Versatile Drug Delivery Platform. 2015, 21, 4342-54	7
243	Self-Assembling Peptide Nanofibrous Hydrogel as a Versatile Drug Delivery Platform. 2015 , 21, 4342-54 Protein-induced supramolecular disassembly of amphiphilic polypeptide nanoassemblies. 2015 ,	99
243	Self-Assembling Peptide Nanofibrous Hydrogel as a Versatile Drug Delivery Platform. 2015 , 21, 4342-54 Protein-induced supramolecular disassembly of amphiphilic polypeptide nanoassemblies. 2015 , 137, 7286-9 Self-assembly of a dual functional bioactive peptide amphiphile incorporating both matrix	99
243 242 241	Self-Assembling Peptide Nanofibrous Hydrogel as a Versatile Drug Delivery Platform. 2015, 21, 4342-54 Protein-induced supramolecular disassembly of amphiphilic polypeptide nanoassemblies. 2015, 137, 7286-9 Self-assembly of a dual functional bioactive peptide amphiphile incorporating both matrix metalloprotease substrate and cell adhesion motifs. 2015, 11, 3115-24 Shape-Dependent Targeting of Injured Blood Vessels by Peptide Amphiphile Supramolecular	99 66 17
243 242 241 240	Self-Assembling Peptide Nanofibrous Hydrogel as a Versatile Drug Delivery Platform. 2015, 21, 4342-54 Protein-induced supramolecular disassembly of amphiphilic polypeptide nanoassemblies. 2015, 137, 7286-9 Self-assembly of a dual functional bioactive peptide amphiphile incorporating both matrix metalloprotease substrate and cell adhesion motifs. 2015, 11, 3115-24 Shape-Dependent Targeting of Injured Blood Vessels by Peptide Amphiphile Supramolecular Nanostructures. 2015, 11, 2750-5	99 66 17 65
243 242 241 240 239	Self-Assembling Peptide Nanofibrous Hydrogel as a Versatile Drug Delivery Platform. 2015, 21, 4342-54 Protein-induced supramolecular disassembly of amphiphilic polypeptide nanoassemblies. 2015, 137, 7286-9 Self-assembly of a dual functional bioactive peptide amphiphile incorporating both matrix metalloprotease substrate and cell adhesion motifs. 2015, 11, 3115-24 Shape-Dependent Targeting of Injured Blood Vessels by Peptide Amphiphile Supramolecular Nanostructures. 2015, 11, 2750-5 Epitope topography controls bioactivity in supramolecular nanofibers. 2015, 3, 530-532	99 66 17 65 32

235	pH-Controlled Hierarchical Self-Assembly of Peptide Amphiphile. <i>Macromolecules</i> , 2015 , 48, 2647-2653	5.5	59
234	Synthesis, characterization and spectroscopic studies of luminescent L-valine modified alkynyl-based cyclometalated gold(III) complexes with gelation properties driven by Latacking, hydrogen bonding and hydrophobicflydrophobic interactions. 2015 , 17, 8153-8162		13
233	Thermoplasmonic effect of silver nanoparticles modulates peptide amphiphile fiber into nanowreath-like assembly. <i>Nanoscale</i> , 2015 , 7, 20238-48	7.7	28
232	Tumor-Specific Formation of Enzyme-Instructed Supramolecular Self-Assemblies as Cancer Theranostics. <i>ACS Nano</i> , 2015 , 9, 9517-27	16.7	160
231	A multi-stimuli responsive, self-assembling, boronic acid dipeptide. 2015 , 51, 14532-5		6
230	RNA Nanostructures in Physiological Solutions: Multiscale Modeling and Applications. 2015 , 337-355		4
229	Solvent Controlled Structural Transition of KI4K Self-Assemblies: from Nanotubes to Nanofibrils. <i>Langmuir</i> , 2015 , 31, 12975-83	4	48
228	Supramolecular self-assembly of 14-helical nanorods with tunable linear and dendritic hierarchical morphologies. <i>New Journal of Chemistry</i> , 2015 , 39, 3280-3287	3.6	20
227	Rheology of peptide- and protein-based physical hydrogels: are everyday measurements just scratching the surface?. 2015 , 7, 34-68		66
226	Two-dimensional self-assembly of amphiphilic peptides; adsorption-induced secondary structural transition on hydrophilic substrate. <i>Journal of Colloid and Interface Science</i> , 2015 , 442, 82-8	9.3	4
225	Stimuli responsive fibrous hydrogels from hierarchical self-assembly of a triblock copolypeptide. 2015 , 11, 331-42		21
224	Ultrafine Au and Ag Nanoparticles Synthesized from Self-Assembled Peptide Fibers and Their Excellent Catalytic Activity. 2016 , 17, 2157-63		13
223	Nanostructure Formation from Three-Armed Coiled-Coil Peptide through Self-Assembly. 2016 , 73, 175-	182	
222	Exploring architectures at the nanoscale: the interplay between hydrophobic twin lipid chains and head groups of designer peptide amphiphiles in the self-assembly process and application. 2016 , 12, 4352-60		8
221	Spatiotemporal control of the creation and immolation of peptide assemblies. 2016 , 320-321, 2-17		20
220	Nucleation and Growth of Ordered Arrays of Silver Nanoparticles on Peptide Nanofibers: Hybrid Nanostructures with Antimicrobial Properties. 2016 , 138, 5507-10		107
219	Self-assembled chiral helical nanofibers by amphiphilic dipeptide derived from d- or l-threonine and application as a template for the synthesis of Au and Ag nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2016 , 484, 97-106	9.3	25
218	Regulation of peptide-Epeptide nanostructure bundling: the impact of Bruciform Helectron segments. 2016 , 72, 6084-6090		4

217	Peptide-Directed Assembly of Single-Helical Gold Nanoparticle Superstructures Exhibiting Intense Chiroptical Activity. 2016 , 138, 13655-13663		110
216	Entropic Phase Transitions with Stable Twisted Intermediates of Bio-Inspired Self-Assembly. 2016 , 22, 15237-15241		5
215	Catalytic supramolecular self-assembled peptide nanostructures for ester hydrolysis. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 4605-4611	7.3	27
214	Peptide self-assembly: thermodynamics and kinetics. 2016 , 45, 5589-5604		559
213	Tuning One-Dimensional Nanostructures of Bola-Like Peptide Amphiphiles by Varying the Hydrophilic Amino Acids. 2016 , 22, 11394-404		19
212	Self-Repair and Patterning of 2D Membrane-Like Peptoid Materials. 2016 , 26, 8960-8967		37
211	Self-assembled peptide nanostructures for functional materials. 2016 , 27, 402002		62
210	Control of the Handedness of Self-assemblies of Dipeptides by the Chirality of Phenylalanine and Steric Hindrance of Phenylglycine. <i>Langmuir</i> , 2016 , 32, 7420-6	4	26
209	(19)F Magnetic Resonance Imaging Signals from Peptide Amphiphile Nanostructures Are Strongly Affected by Their Shape. <i>ACS Nano</i> , 2016 , 10, 7376-84	16.7	39
208	Electrostatics-Driven Hierarchical Buckling of Charged Flexible Ribbons. 2016 , 116, 148101		6
207	Controlled chiral supramolecular assemblies of water soluble achiral porphyrins induced by chiral counterions. 2016 , 52, 10253-6		19
206	Hydrogels of Superlong Helices to Synthesize Hybrid Ag-Helical Nanomaterials. <i>Langmuir</i> , 2016 , 32, 121	ο ρ-12	109
205	Asymmetric Peptide Nanoribbons. <i>Nano Letters</i> , 2016 , 16, 6967-6974	11.5	22
204	Chiral Nanoarchitectonics: Towards the Design, Self-Assembly, and Function of Nanoscale Chiral Twists and Helices. 2016 , 28, 1044-59		190
203	A novel nanostructured supramolecular hydrogel self-assembled from tetraphenylethylene-capped dipeptides. 2016 , 12, 6347-51		24
202	Simultaneous covalent and noncovalent hybrid polymerizations. 2016 , 351, 497-502		137
201	Trace Solvent as a Predominant Factor To Tune Dipeptide Self-Assembly. ACS Nano, 2016, 10, 2138-43	16.7	128
200	Different nanostructures caused by competition of intra- and inter-Eheet interactions in hierarchical self-assembly of short peptides. <i>Journal of Colloid and Interface Science</i> , 2016 , 464, 219-28	9.3	30

199	Electrostatic-Driven Lamination and Untwisting of Esheet Assemblies. ACS Nano, 2016, 10, 880-8	16.7	101
198	Hierarchical processes in ⊞sheet peptide self-assembly from the microscopic to the mesoscopic level. 2016 , 25, 018701		3
197	Supramolecular Fibers in Gels Can Be at Thermodynamic Equilibrium: A Simple Packing Model Reveals Preferential Fibril Formation versus Crystallization. <i>ACS Nano</i> , 2016 , 10, 2661-8	16.7	69
196	Self-Assembling Hydrogels. 2016 , 219-250		6
195	Self-assembling peptides for stem cell and tissue engineering. 2016 , 4, 543-54		25
194	Self-assembled peptide-based nanostructures: Smart nanomaterials toward targeted drug delivery. 2016 , 11, 41-60		364
193	Modulating hierarchical self-assembly behavior of a peptide amphiphile/nonionic surfactant mixed system. 2016 , 6, 9186-9193		10
192	Molecular design for growth of supramolecular membranes with hierarchical structure. 2016 , 12, 1401-	10	21
191	Biomedical Applications of Self-Assembling Peptides. 2016 , 27, 3-18		111
190	Gasotransmitter delivery via self-assembling peptides: Treating diseases with natural signaling gases. <i>Advanced Drug Delivery Reviews</i> , 2017 , 110-111, 137-156	18.5	50
189	Enzyme-Instructed Self-Assembly of Peptides Containing Phosphoserine to Form Supramolecular Hydrogels as Potential Soft Biomaterials. 2017 , 11, 509-515		18
188	Chiral Assembly of AIE-Active Achiral Molecules: An Odd Effect in Self-Assembly. 2017 , 23, 3950-3956		36
187	Shape Control of Soft Nanoparticles and Their Assemblies. <i>Chemistry of Materials</i> , 2017 , 29, 1918-1945	9.6	64
186	Electrostatic Control of Polymorphism in Charged Amphiphile Assemblies. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 1623-1628	3.4	27
185	Conformation and self-assembly changes of isomeric peptide amphiphiles influenced by switching tyrosine in the sequences. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 5189-5195	7.3	6
184	Developing Polyamine-Based Peptide Amphiphiles with Tunable Morphology and Physicochemical Properties. <i>Macromolecular Bioscience</i> , 2017 , 17, 1700096	5.5	6
183	Self-assembly of aromatic ⊞mino acids into amyloid inspired nano/micro scaled architects. 2017 , 72, 590-600		45
182	Peptide Self-Assembled Nanostructures with Distinct Morphologies and Properties Fabricated by Molecular Design. 2017 , 9, 39174-39184		29

181	Design Principles of Peptide Based Self-Assembled Nanomaterials. 2017, 1030, 51-94		6
180	Self-Assembled Water-Soluble Nanofibers Displaying Collagen Hybridizing Peptides. 2017 , 139, 16640-	-16649	15
179	Tuning supramolecular architectures of KI4K amphiphiles via varying terminal variations. <i>Journal of Molecular Liquids</i> , 2017 , 247, 84-92	6	4
178	Molecular packing and the handedness of the self-assemblies of C17H35CO-Ala-Phe sodium salts. <i>New Journal of Chemistry</i> , 2017 , 41, 13253-13259	3.6	3
177	Supramolecular Assembly of Peptide Amphiphiles. 2017 , 50, 2440-2448		261
176	Systematic Adjustment of Pitch and Particle Dimensions within a Family of Chiral Plasmonic Gold Nanoparticle Single Helices. 2017 , 139, 15043-15048		41
175	Chirality-Driven Parallel and Antiparallel Esheet Secondary Structures of Phe-Ala Lipodipeptides. <i>Langmuir</i> , 2017 , 33, 8246-8252	4	13
174	Regulating cancer associated fibroblasts with losartan-loaded injectable peptide hydrogel to potentiate chemotherapy in inhibiting growth and lung metastasis of triple negative breast cancer. 2017 , 144, 60-72		81
173	Anisotropic formation mechanism and nanomechanics for the self-assembly process of cross- peptides. 2017 , 26, 128701		1
172	Chiral Mesoporous Silica Materials. 2017 , 121-177		
172	Chiral Mesoporous Silica Materials. 2017 , 121-177 Synthesis and gelation capability of mono- and disubstituted cyclo(L-Glu-L-Glu) derivatives with tyramine, tyrosine and phenylalanine. 2017 , 295, 1549-1561		6
	Synthesis and gelation capability of mono- and disubstituted cyclo(L-Glu-L-Glu) derivatives with		6
171	Synthesis and gelation capability of mono- and disubstituted cyclo(L-Glu-L-Glu) derivatives with tyramine, tyrosine and phenylalanine. 2017 , 295, 1549-1561 Insight into the binding of a non-toxic, self-assembling aromatic tripeptide with ct-DNA:		
171 170	Synthesis and gelation capability of mono- and disubstituted cyclo(L-Glu-L-Glu) derivatives with tyramine, tyrosine and phenylalanine. 2017, 295, 1549-1561 Insight into the binding of a non-toxic, self-assembling aromatic tripeptide with ct-DNA: Spectroscopic and viscositic studies. 2017, 11, 112-118		16
171 170 169	Synthesis and gelation capability of mono- and disubstituted cyclo(L-Glu-L-Glu) derivatives with tyramine, tyrosine and phenylalanine. 2017, 295, 1549-1561 Insight into the binding of a non-toxic, self-assembling aromatic tripeptide with ct-DNA: Spectroscopic and viscositic studies. 2017, 11, 112-118 Peptidic Biomaterials: From Self-Assembling to Regenerative Medicine. 2017, 35, 145-158		16 88
171 170 169	Synthesis and gelation capability of mono- and disubstituted cyclo(L-Glu-L-Glu) derivatives with tyramine, tyrosine and phenylalanine. 2017, 295, 1549-1561 Insight into the binding of a non-toxic, self-assembling aromatic tripeptide with ct-DNA: Spectroscopic and viscositic studies. 2017, 11, 112-118 Peptidic Biomaterials: From Self-Assembling to Regenerative Medicine. 2017, 35, 145-158 Drug-Bearing Supramolecular Filament Hydrogels as Anti-Inflammatory Agents. 2017, 7, 2003-2014		16 88
171 170 169 168	Synthesis and gelation capability of mono- and disubstituted cyclo(L-Glu-L-Glu) derivatives with tyramine, tyrosine and phenylalanine. 2017, 295, 1549-1561 Insight into the binding of a non-toxic, self-assembling aromatic tripeptide with ct-DNA: Spectroscopic and viscositic studies. 2017, 11, 112-118 Peptidic Biomaterials: From Self-Assembling to Regenerative Medicine. 2017, 35, 145-158 Drug-Bearing Supramolecular Filament Hydrogels as Anti-Inflammatory Agents. 2017, 7, 2003-2014 4.16 Surface Engineering Using Amphiphilic Peptides?. 2017, 272-291 Controlling the Diameters of Nanotubes Self-Assembled from Designed Peptide Bolaphiles. 2018,	11.7	16 88 43

163	Self-assembly morphology evolution of the polyamide 6 (PA6) component in the PA6/polyethylene glycol system by in situ polymerization of ?-caprolactam monomer. 2018 , 67, 874-882	3
162	Silk and Silk-Like Supramolecular Materials. 2018 , 39, e1700834	23
161	pH- and Time-Resolved in Situ SAXS Study of Self-Assembled Twisted Ribbons Formed by Elaidic Acid Sophorolipids. <i>Langmuir</i> , 2018 , 34, 2121-2131	10
160	Rational design and self-assembly of short amphiphilic peptides and applications. 2018 , 35, 112-123	49
159	From self-assembled peptide-ynes to peptide polyacetylenes and polydiacetylenes. <i>Peptide Science</i> , 2018 , 110, e24036	2
158	Interactions of Glycopolymers with Assemblies of Peptide Amphiphiles via Dynamic Covalent Bonding. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 2061-2066	4
157	Self-assembly of peptide-based nanostructures: Synthesis and biological activity. 2018 , 11, 2315-2335	22
156	Protein Analogous Micelles. 2018 , 179-205	
155	Aromatic identity, electronic substitution, and sequence in amphiphilic tripeptide self-assembly. 2018 , 14, 9168-9174	19
154	Photoresponsive chiral molecular crystal for light-directing nanostructures. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12314-12320	9
154		95
	Chemistry C, 2018 , 6, 12314-12320 7.1	
153	. 2018, Nanoribbons self-assembled from short peptides demonstrate the formation of polar zippers	5
153 152	Chemistry C, 2018, 6, 12314-12320 7.1 . 2018, Nanoribbons self-assembled from short peptides demonstrate the formation of polar zippers between Bheets. 2018, 9, 5118 Self-Assembled Micellar Structures of Lipopeptides with Variable Number of Attached Lipid Chains	5
153 152 151	Chemistry C, 2018, 6, 12314-12320 . 2018, Nanoribbons self-assembled from short peptides demonstrate the formation of polar zippers between Esheets. 2018, 9, 5118 Self-Assembled Micellar Structures of Lipopeptides with Variable Number of Attached Lipid Chains Revealed by Atomistic Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2018, 122, 9605-9615	5 56 5
153 152 151 150	. 2018, Nanoribbons self-assembled from short peptides demonstrate the formation of polar zippers between Esheets. 2018, 9, 5118 Self-Assembled Micellar Structures of Lipopeptides with Variable Number of Attached Lipid Chains Revealed by Atomistic Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2018, 122, 9605-9615 Recreating stem-cell niches using self-assembling biomaterials. 2018, 421-454 Bio-based glyco-bolaamphiphile forms a temperature-responsive hydrogel with tunable elastic	55651
153 152 151 150	Chemistry C, 2018, 6, 12314-12320 .2018, Nanoribbons self-assembled from short peptides demonstrate the formation of polar zippers between Esheets. 2018, 9, 5118 Self-Assembled Micellar Structures of Lipopeptides with Variable Number of Attached Lipid Chains Revealed by Atomistic Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2018, 122, 9605-9615 Recreating stem-cell niches using self-assembling biomaterials. 2018, 421-454 Bio-based glyco-bolaamphiphile forms a temperature-responsive hydrogel with tunable elastic properties. 2018, 14, 7859-7872 Symmetry Breaking and Amplification in a Self-Assembled Helix from Achiral trans-3-Nitrocinnamic	5565119

145	Investigation and regulation of self-assembled well-ordered nano/microstructures via an aromatic ե mino acid. 2018 , 14, 4996-5007	4
144	Designing self-assembling biomaterials with controlled mechanical and biological performance. 2018 , 7-26	1
143	Customized Peptide Biomaterial Synthesis via an Environment-Reliant Auto-Programmer Stigmergic Approach. 2018 , 11,	1
142	Alignment of twisted nanoribbons formed by CHCO-Val-Ala sodium salts. 2018 , 14, 6353-6359	2
141	Peptide-based hydrogels with tunable nanostructures for the controlled release of dyes. 2018 , 558, 57-64	8
140	Redox Sensitive Self-Assembling Dipeptide for Sustained Intracellular Drug Delivery. 2019 , 30, 2458-2468	13
139	-Type Ala-Ala Dipeptides: Odd-Even Effect in Molecular Packing Structures. <i>Langmuir</i> , 2019 , 35, 11406-11413	4
138	Protamine-induced condensation of peptide nanofilaments into twisted bundles with controlled helical geometry. 2019 , 25, e3176	1
137	Self-assembly of mitochondria-specific peptide amphiphiles amplifying lung cancer cell death through targeting the VDAC1-hexokinase-II complex. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 4706-471 6^3	33
136	Atomic structures of RNA nanotubes and their comparison with DNA nanotubes. <i>Nanoscale</i> , 2019 , 11, 14863-14878	13
135	Peptide therapeutics and assemblies for cancer immunotherapy. 2019 , 62, 1759-1781	14
134	Guiding the Morphology of Amyloid Assemblies by Electrostatic Capping: from Polymorphic Twisted Fibrils to Uniform Nanorods. 2019 , 15, e1901806	13
133	Light- and pH-Controlled Hierarchical Coassembly of Peptide Amphiphiles. <i>Langmuir</i> , 2019 , 35, 9841-984	9
132	Platinum-Ion-Mediated Self-Assembly of Hairpin Peptides and Synthesis of Platinum Nanostructures. <i>Langmuir</i> , 2019 , 35, 5617-5625	7
131	Electrostatic shape control of a charged molecular membrane from ribbon to scroll. 2019 , 116, 22030-22036	11
130	Self-assembled chiral nanoribbons studied by terahertz time-domain spectroscopy and other biological methods. 2019 , 717, 130-135	
129	Electrostatic-driven self-sorting and nanostructure speciation in self-assembling tetrapeptides. Nanoscale, 2019 , 11, 16534-16543	17
128	Hierarchically oriented organization in supramolecular peptide crystals. 2019, 3, 567-588	181

127	Self-assembled micro-fibres by oxime connection of linear peptide amphiphiles. 2019 , 17, 1984-1991		7
126	Designer aromatic peptide amphiphiles for self-assembly and enzymatic display of proteins with morphology control. 2019 , 55, 640-643		18
125	Applications of self-assembling ultrashort peptides in bionanotechnology 2019, 9, 844-852		29
124	Residue-Specific Solvation-Directed Thermodynamic and Kinetic Control over Peptide Self-Assembly with 1D/2D Structure Selection. <i>ACS Nano</i> , 2019 , 13, 1900-1909	16.7	31
123	Peptide-Based Drug-Delivery Systems in Biotechnological Applications: Recent Advances and Perspectives. <i>Molecules</i> , 2019 , 24,	4.8	100
122	Organic Templates for Inorganic Nanocrystal Growth. 2019 , 2, 38-54		14
121	Nanofibrous Structures. 2019 , 93-122		5
120	Hierarchical nanomaterials via biomolecular self-assembly and bioinspiration for energy and environmental applications. <i>Nanoscale</i> , 2019 , 11, 4147-4182	7.7	88
119	Hierarchical Assembly of Peptoid-Based Cylindrical Micelles Exhibiting Efficient Resonance Energy Transfer in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12223-12230	16.4	14
118	Hierarchical Assembly of Peptoid-Based Cylindrical Micelles Exhibiting Efficient Resonance Energy Transfer in Aqueous Solution. <i>Angewandte Chemie</i> , 2019 , 131, 12351-12358	3.6	1
117	Paclitaxel-Promoted Supramolecular Polymerization of Peptide Conjugates. 2019 , 141, 11997-12004		41
116	Self-Assembled Nanostructures of Peptide Amphiphiles: Charge Regulation by Size Regulation. 2019 , 123, 17606-17615		14
115	Assembly and Evolution of Gemini-Type Peptide Amphiphile with a Di-Lysine Spacer. <i>Langmuir</i> , 2019 , 35, 6154-6160	4	4
114	A New Hope: Self-Assembling Peptides with Antimicrobial Activity. 2019 , 11,		49
113	Peptide Tectonics: Encoded Structural Complementarity Dictates Programmable Self-Assembly. 2019 , 6, 1802043		28
112	Nanoarchitectonics for Biology. 2019 , 209-229		2
111	Dissipative Self-Assembly of Peptides. <i>Israel Journal of Chemistry</i> , 2019 , 59, 898-905	3.4	14
110	Cancer nanomedicine: focus on recent developments and self-assembled peptide nanocarriers. Journal of Materials Chemistry B, 2019 , 7, 7639-7655	7.3	34

109	The design and biomedical applications of self-assembled two-dimensional organic biomaterials. 2019 , 48, 5564-5595		70
108	Supramolecular nanofibrillar hydrogels as highly stretchable, elastic and sensitive ionic sensors. 2019 , 6, 326-333		215
107	Linear growth of self-assembled alternating oligopeptide nanotubes with self-locking building blocks. <i>Molecular Simulation</i> , 2019 , 45, 549-555	2	1
106	Self-Assembling Peptide-Based Nanoarchitectonics. 2019 , 92, 70-79		107
105	Recent advances in short peptide self-assembly: from rational design to novel applications. 2020 , 45, 1-13		46
104	The biological properties of hydrogels based on natural polymers. 2020 , 247-269		O
103	Control of secondary structure and morphology of peptideguanidiniocarbonylpyrrole conjugates by variation of the chain length. 2020 , 31, 1239-1242		5
102	C-12 vs C-3 substituted bile salts: An example of the effects of substituent position and orientation on the self-assembly of steroid surfactant isomers. 2020 , 185, 110556		3
101	Towards supramolecular nanostructured materials: control of the self-assembly of ionic bent-core amphiphiles. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 1998-2007	7.1	9
100	Fabrication of nanoparticles from a synthesized peptide amphiphile as a versatile therapeutic cargo for high antiproliferative activity in tumor cells. 2020 , 94, 103440		4
99	Tuning the self-assembled nanostructures of ultra-short bola peptides via side chain variations of the hydrophobic amino acids. <i>Journal of Molecular Liquids</i> , 2020 , 315, 113765	6	1
98	Design of materials with supramolecular polymers. 2020 , 111, 101310		17
97	The influence of polar and non-polar interactions on the self-assembly of peptide nanomembranes and their applications: An atomistic study using classical molecular dynamics. <i>Journal of Molecular Liquids</i> , 2020 , 318, 114263	6	7
96	Nanoribbon self-assembly and hydrogel formation from an NOctanoyl octapeptide derived from the antiparallel Enterface of a protein homotetramer. <i>Acta Biomaterialia</i> , 2020 , 114, 233-243	10.8	4
95	Enzyme Instructed Self-assembly of Naphthalimide-dipeptide: Spontaneous Transformation from Nanosphere to Nanotubular Structures that Induces Hydrogelation. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 2696-2705	4.5	4
94	Synthesis and self-assembly of aminyl and alkynyl substituted sophorolipids. <i>Green Chemistry</i> , 2020 , 22, 8323-8336	10	4
93	Supramolecular self-assembly: A facile way to fabricate protein and peptide nanomaterials. 2020 , 3-21		О
92	A Tale of Three Hydrophobicities: Impact of Constitutional Isomerism on Nanostructure Evolution and Electronic Communication in Econjugated Peptides. <i>Macromolecules</i> , 2020 , 53, 7263-7273	5.5	6

(2021-2020)

91	Transition metal ions induced secondary structural transformation in a hydrophobized short peptide amphiphile. <i>New Journal of Chemistry</i> , 2020 , 44, 9255-9263	3.6	8
90	Twisting of Charged Nanoribbons to Helicoids Driven by Electrostatics. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 3221-3227	3.4	4
89	Field emission behaviors of CsPbI3 nanobelts. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 5156-5162	7.1	5
88	Construction of self-assembled nanostructure-based tetraphenylethylene dipeptides: supramolecular nanobelts as biomimetic hydrogels for cell adhesion and proliferation. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 7483-7493	7.3	10
87	Organic field effect transistors based on self-assembling core-modified peptidic polymers. <i>Molecular Systems Design and Engineering</i> , 2020 , 5, 847-855	4.6	4
86	Modulation of Antimicrobial Peptide Conformation and Aggregation by Terminal Lipidation and Surfactants. <i>Langmuir</i> , 2020 , 36, 1737-1744	4	10
85	Fabrication and Plasma Modification of Nanofibrous Tissue Engineering Scaffolds. <i>Nanomaterials</i> , 2020 , 10,	5.4	39
84	Physicochemical Characterization of Daptomycin Interaction with Negatively Charged Lipid Membranes. <i>Langmuir</i> , 2020 , 36, 5324-5335	4	11
83	Revisiting thioflavin T (ThT) fluorescence as a marker of protein fibrillation - The prominent role of electrostatic interactions. <i>Journal of Colloid and Interface Science</i> , 2020 , 573, 87-95	9.3	17
82	Prediction of Amphiphilic Cell-Penetrating Peptide Building Blocks from Protein-Derived Amino Acid Sequences for Engineering of Drug Delivery Nanoassemblies. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 4069-4078	3.4	20
81	Multiscale computational prediction of Esheet peptide self-assembly morphology. <i>Molecular Simulation</i> , 2021 , 47, 428-438	2	1
80	Nanostructures from protected L/L and D/L amino acid containing dipeptides. <i>Peptide Science</i> , 2021 , 113, e24176	3	4
79	Update of CHARMM36's atomic charges for aromatic amino acids in water solution simulations and spectroscopy analysis via sequential molecular dynamics and DFT calculations. <i>Journal of Molecular Liquids</i> , 2021 , 321, 114739	6	7
78	Self-assembly of hairpin peptides mediated by Cu(II) ion: Effect of amino acid sequence. <i>Peptide Science</i> , 2021 , 113, e24208	3	3
77	Monolayer wall nanotubes self-assembled from short peptide bolaamphiphiles. <i>Journal of Colloid and Interface Science</i> , 2021 , 583, 553-562	9.3	6
76	Mechanistic process understanding of the self-assembling behaviour of asymmetric bolaamphiphilic short-peptides and their templating for silica and titania nanomaterials. <i>Nanoscale</i> , 2021 , 13, 13318-13327	7.7	3
75	Silica covering driven intensity enhancement and handedness inversion of the CPL signals of the supramolecular assemblies. <i>New Journal of Chemistry</i> , 2021 , 45, 8986-8992	3.6	1
74	Tailored growth of high-quality CsPbI3 nanobelts. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 2358-2365	3.8	1

73	Self-Assembling Hydrogel Structures for Neural Tissue Repair. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 4136-4163	5.5	8
72	(Macro)molecular self-assembly for hydrogel drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2021 , 172, 275-295	18.5	20
71	SAPdb: A database of short peptides and the corresponding nanostructures formed by self-assembly. <i>Computers in Biology and Medicine</i> , 2021 , 133, 104391	7	5
70	Exploiting Peptide Self-Assembly for the Development of Minimalistic Viral Mimetics. <i>Frontiers in Chemistry</i> , 2021 , 9, 723473	5	1
69	Self-assembly of thiolated versus non-thiolated peptide amphiphiles. <i>Peptide Science</i> , e24236	3	0
68	Synthesis, Characterization and Evaluation of Peptide Nanostructures for Biomedical Applications. <i>Molecules</i> , 2021 , 26,	4.8	6
67	Self-Assembled Palmitoyl-Glycine-Histidine as a Permeation Enhancer for Transdermal Delivery. <i>Langmuir</i> , 2021 , 37, 8971-8977	4	1
66	Supramolecular Interactions and Morphology of Self-Assembling Peptide Amphiphile Nanostructures. <i>Nano Letters</i> , 2021 , 21, 6146-6155	11.5	8
65	Atomistic molecular dynamics study on the influence of high temperatures on the structure of peptide nanomembranes candidates for organic supercapacitor electrode. <i>Journal of Molecular Liquids</i> , 2021 , 334, 116126	6	4
64	Supramolecular peptide nano-assemblies for cancer diagnosis and therapy: from molecular design to material synthesis and function-specific applications. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 253	9.4	6
63	Palmitic acid sophorolipid biosurfactant: from self-assembled fibrillar network (SAFiN) to hydrogels with fast recovery. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021 , 379, 20200343	3	5
62	Peptide-based nanomaterials: Self-assembly, properties and applications <i>Bioactive Materials</i> , 2022 , 11, 268-282	16.7	20
61	Anti-pollution Effects of Self-assembled Fibers Prepared from a Palmitoyl-glycine-histidine Amphiphile. <i>Chemistry Letters</i> ,	1.7	
60	Peptide-based system for sensing Pb and molecular logic computing. <i>Analytical Biochemistry</i> , 2021 , 630, 114333	3.1	O
59	A critical review on the environmental application of lipopeptide micelles. <i>Bioresource Technology</i> , 2021 , 339, 125602	11	9
58	Tuning the shell structure of peptide nanotubes with sodium tartrate: From monolayer to bilayer. Journal of Colloid and Interface Science, 2021 , 608, 1685-1695	9.3	1
57	Supramolecular Peptide Nanostructures: Self-assembly and Biomedical Applications. <i>Giant</i> , 2021 , 1000	083 .6	1
56	⊞ome£Like Nanostructures. 2012 , 285-382		

55 The Emerging Field of RNA Nanotechnology. **2013**, 3-22

54	Hierarchical Self-Assembled Peptide Nano-ensembles. 2014 , 247-284		
53	Nanofibers: Peptide Amphiphile-Based. 5250-5256		
52	Service performance of nanopins based on branched carbon nanotubes. <i>Micro and Nano Letters</i> , 2017 , 12, 934-939	0.9	1
51	SAPdb: A database of nanostructures formed by self-assembly of short peptides.		
50	CHAPTER 1:Design and Synthesis of Peptides for Developing Biomaterials. <i>RSC Soft Matter</i> , 2020 , 1-18	0.5	
49	CHAPTER 3:Peptide Engineering Strategies. <i>RSC Soft Matter</i> , 2020 , 47-75	0.5	
48	Intermolecular Interactions and Self-Assembly of Peptide-Based Nanomaterials Against Human Pathogenic Bacteria. 2020 , 311-360		
47	Novel self-assembling peptide hydrogel with pH-tunable assembly microstructure, gel mechanics and the entrapment of curcumin. <i>Food Hydrocolloids</i> , 2021 , 124, 107338	10.6	3
46	Factors Affecting Secondary and Supramolecular Structures of Self-Assembling Peptide Nanocarriers. <i>Macromolecular Bioscience</i> , 2021 , e2100347	5.5	1
45	Molecular Insight into the Esheet Twist and Related Morphology of Self-Assembled Peptide Amphiphile Ribbons. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 11238-11244	6.4	О
44	Self-assembling peptides: Molecule-nanostructure-function and application on food industry. <i>Trends in Food Science and Technology</i> , 2022 , 120, 212-222	15.3	О
43	Mapping the Morphological Landscape of Oligomeric Di-block Peptide Polymer Amphiphiles**. <i>Angewandte Chemie</i> ,	3.6	
42	Mapping the Morphological Landscape of Oligomeric Di-block Peptide-Polymer Amphiphiles <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	2
41	Hierarchical Self-Assembly Pathways of Peptoid Helices and Sheets <i>Biomacromolecules</i> , 2022 ,	6.9	2
40	Modeling Interactions within and between Peptide Amphiphile Supramolecular Filaments <i>Journal of Physical Chemistry B</i> , 2022 ,	3.4	2
39	Handedness inversion of the self-assemblies of lipotetrapeptides regulated by the shift of the methyl group. <i>New Journal of Chemistry</i> ,	3.6	
38	Self-assembling peptides-based nano-cargos for targeted chemotherapy and immunotherapy of tumors: recent developments, challenges, and future perspectives <i>Drug Delivery</i> , 2022 , 29, 1184-1200	7	O

37	Glutathione-Triggered Mitochondria-Targeting Reassembly from Polymeric Micelles to Nanofibers for a Synergistic Anticancer Effect <i>ACS Macro Letters</i> , 2022 , 11, 543-548	6.6	1
36	Ordered Packing of Esheet Nanofibrils into Nanotubes: Multi-hierarchical Assembly of Designed Short Peptides. <i>Nano Letters</i> , 2021 ,	11.5	2
35	Luminescent and morphological behavior of the aromatic dipeptide pair having singular structural variability <i>Luminescence</i> , 2022 ,	2.5	
34	Generation of Self-Assembled Structures Composed of Amphipathic, Charged Tripeptides for Intracellular Delivery of Pro-Apoptotic Chemotherapeutics. <i>Israel Journal of Chemistry</i> ,	3.4	1
33	Energy Landscapes of Supramolecular Peptide D rug Conjugates Directed by Linker Selection and Drug Topology. <i>ACS Nano</i> ,	16.7	1
32	Supramolecular Hybrids from Cyanometallate Complexes and Diblock Copolypeptide Amphiphiles in Water. <i>Molecules</i> , 2022 , 27, 3262	4.8	
31	Urea-Modified Self-Assembling Peptide Amphiphiles That Form Well-Defined Nanostructures and Hydrogels for Biomedical Applications. <i>ACS Applied Bio Materials</i> ,	4.1	2
30	Energy Landscape of the Sugar Conformation Controls the Sol-to-Gel Transition in Self-Assembled Bola Glycolipid Hydrogels. <i>Chemistry of Materials</i> ,	9.6	1
29	Designing 1D multiheme peptide amphiphile assemblies reminiscent of natural systems. <i>Nanoscale</i> ,	7.7	
28	Leveraging the therapeutic, biological, and self-assembling potential of peptides for the treatment of viral infections. <i>Journal of Controlled Release</i> , 2022 , 348, 1028-1049	11.7	1
27	Exploiting Terminal Charged Residue Shift for Wide Bilayer Nanotube Assembly. 2022,		0
26	Peptide Sequence Determines Structural Sensitivity to Supramolecular Polymerization Pathways and Bioactivity. 2022 , 144, 16512-16523		1
25	Peptide-based nanomaterials: applications and challenges. 2023, 133-171		0
24	Bioinspired functional molecular constructs. 2023 , 207-254		O
23	Microfabrication of peptide self-assemblies: inspired by nature towards applications. 2022 , 51, 6936-69	47	1
22	Antimicrobial nano-assemblies of tryptocidine C, a tryptophan-rich cyclic decapeptide, from ethanolic solutions. 2022 ,		O
21	Cation-Induced Fibrillation of Microbial Glycolipid Biosurfactant Probed by Ion-Resolved In Situ SAXS. 2022 , 126, 10528-10542		2
20	Metallogels from a Glycolipid Biosurfactant. 2022 , 10, 16503-16515		4

19	Shear recovery and temperature stability of Ca2+ and Ag+ glycolipid fibrillar metallogels with unusual Etheet-like domains.	4
18	Antiviral supramolecular polymeric hydrogels by self-assembly of tenofovir-bearing peptide amphiphiles.	O
17	Ca2+ and Ag+ orient low-molecular weight amphiphile self-assembly into Bano-fishnet[fibrillar hydrogels with unusual Bheet-like raft domains.	4
16	Dipeptide nanostructures: Synthesis, interactions, advantages and biomedical applications. 2023 , 222, 113031	O
15	Self-assembly of wide peptide nanoribbons via the formation of nonpolar zippers between Esheets. 2023 , 659, 130739	0
14	Discovery of Y-Shaped Supramolecular Polymers in a Self-Assembling Peptide Amphiphile System. 2022 , 11, 1355-1361	Ο
13	Self-Assembly of Short Amphiphilic Peptides and Their Biomedical Applications. 2022, 28, 3546-3562	1
12	Self-assembled Photosensitive Carbon Nanocrystals with Broad-Spectrum antibacterial bioactivity.	Ο
11	Preparation, Purification and Characterization of Antibacterial and ACE Inhibitory Peptides from Head Protein Hydrolysate of Kuruma Shrimp, Marsupenaeus japonicus. 2023 , 28, 894	О
10	Fmoc-diphenylalanine gelating nanoarchitectonics: A simplistic peptide self-assembly to meet complex applications. 2023 , 636, 113-133	Ο
9	Exploring chemical space and structural diversity of supramolecular peptide materials. 2023, 2, 100030	О
8	Minimalistic Artificial Catalysts with Esterase-Like Activity from Multivalent Nanofibers Formed by the Self-Assembly of Dipeptides. 2023 , 8, 2491-2500	Ο
7	3D self-assembled nanocarriers for drug delivery. 2023 , 55, 140-162	O
6	Designed peptide amphiphiles as scaffolds for tissue engineering. 2023 , 314, 102866	Ο
5	Self-Assembly of the Tetraphenylethylene-Capped Diserine through a Hierarchical Assembly Process. 2023 , 34, 562-571	О
4	Research Progress in Enzymatically Cross-Linked Hydrogels as Injectable Systems for Bioprinting and Tissue Engineering. 2023 , 9, 230	О
3	Organic nanoparticles with tunable AIE derived from amino acids appended naphthalenediimide based amphiphiles. 2023 , 121824	0
2	Nanostructured peptides as potential antimicrobial agent. 2023 , 133-148	O

Theoretical Modeling of Self-Assembled Nanostructures of Amphiphiles in Solution. **2023**, 1161-1196

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